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Good quality products and customer service,
continuous improvement in processes, systems
and capabilities are the hallmark of
leaders in business.

The Electrical Standard Products (ESP) business
and New Product Development (NPD) function of
L&T Electrical & Automation (E&A) have been
awarded the Deming Prize 2019, by JUSE
(Union of Japanese Scientists and Engineers), Japan.

The Deming Prize is one of the highest awards
on Total Quality Management (TQM) in the globe.
It is presented to an organization that has
implemented TQM suitable for its management
philosophy, scope/type/scale of business
and management environment.

The TQM activities of ESP were evaluated for
establishment of customer oriented objectives and
strategies & top management leadership, suitable
utilisation and implementation of TQM,
effects obtained regarding business objectives and
demonstration of organizational capabilities.

E&A's ESP is the first low voltage switchgear
manufacturer in India that has
received this recognition.





**Please contact the nearest branch office for
Prices of the following products :**

- **Final Distribution Products - 6kA MCBs**
- **Servo & Motion Control Solutions**
- **Wires, Cables and Flat Cables**
- **Busbar Trunking Systems**
- **Rotary Switches**
- **Modular Remote Control Units & Indicating Units**
- **Timing Devices & Supply Monitors**
- **Cable Ducts & Load Break Switches**
- **Modular Switches and Sockets**
- **Medium Voltage AIS upto 36kV**
- **Agricultural Electrical Products**

Note: Product photographs shown, are for representative purposes only.





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up to 800 V AC

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Competitively priced, E&A's advanced product range comprises MCCBs, ACBs, AC-Load Break Switches, Outdoor VCBs, ABTs, Tariff Meters, Fuses, and SPDs. All designed to maximize the efficiency of your installation.

Give your solar power installation the high-tech, high-productivity edge. **Contact us today.**



Customer Interaction Center (CIC)

BSNL / MTNL (toll free): 1800 233 5858 Reliance (toll free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com



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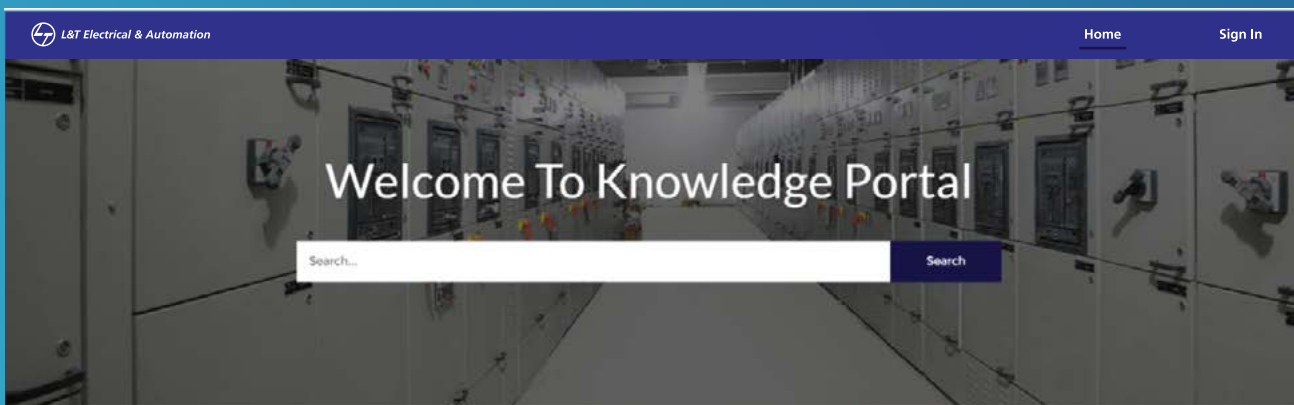
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Contactors

Power Contactors

- | | | | |
|---------------|------------------|---|---------------|
| 1 Pole | 2 Pole | 3 Pole | 4 Pole |
| • MR | • MNX
• MU-2P | • MO
• MNX
• MI
• MX Power
• ML
• MDX (DC Control/Electronic coil Control) | • MCX |

Control Relays (Auxiliary Contactors)

- MX0 (Mini) AC/DC
- MO0 AC/DC

Capacitor Duty Contactors

- MO C

MI Contactors 6-150A, AC-3 Rating

Optimum solution
for your applications



Understanding customer requirements, we make sure that our range of contactors caters to their evolving needs. Considering the changing expectations of customers and a need for an optimum and reliable solution, we introduce MI range of contactors for applications upto 150 A AC3 rating.

Features :

- Finger proof terminals upto 40A
- Can be used with existing MN Range of thermal overload relays
- Top mounting add-on blocks possible upto 80A
- Spares available for entire range
- Optimised for AC1/AC3 applications

Applications :

- Street lighting
- VFD, Soft Starters applications
- UPS
- Solar and Wind inverters
- Resistive loads
- Battery charging
- Motor Starters

* For accessories and more details please contact nearest branch.

Type	Cat. No.	M.R.P. (₹) Per Unit
MI 6 (With 1 NO aux contact)	CS90401	Price on request*
MI 9 (With 1 NO aux contact)	CS90402	
MI 12 (With 1 NO aux contact)	CS90403	
MI 18 (With 1 NO aux contact)	CS90404	
MI 22 (With 1 NO aux contact)	CS90405	
MI 25	CS90406	
MI 32	CS90407	
MI 40	CS90408	
MI 45	CS90704	
MI 50	CS90705	
MI 70	CS90706	
MI 80	CS90707	
MI 95	CS90724	
MI 120	CS90725	
MI 150	CS90726	

Notes:

- 1) Standard coil voltage: 110V, 220V, 240V and 415V, 50Hz
- 2) For ordering Suffix, please refer page No. 10

Customer Interaction Center (CIC)

BSNL / MTNL (toll free): 1800 233 5858 Reliance (toll free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com



3 Pole Power Contactors [8536]

3 Pole Power Contactors - Type MNX

Features

- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Range from 9A – 650A AC-3
- Click fit type construction up to 40A
- Coil on top design in 95A and above
- Spares available for entire range



MNX 22



MNX 40



MNX 80



MNX 140



MNX 250



MNX 650

Size	AC3 Rating (A)	AC1 Rating (A)	Type	Aux. Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	9	25	MNX 9	1 NO	CS94106	1000	20
				1 NC	CS94107	1000	20
	12	30	MNX 12	1 NO	CS94108	1160	20
				1 NC	CS94109	1160	20
	18	30	MNX 18	1 NO	CS94100	1370	20
				1 NC	CS94101	1370	20
	22	32	MNX 22	1 NO	CS94980	1580	20
				1 NC	CS94981	1580	20
Fr 2	25	45	MNX 25	#	CS94110	1630	20
	32	55	MNX 32	#	CS94111	3450	20
	40	55	MNX 40	#	CS94190	5380	20
Fr 3	50	85	MNX 50	#	CS97075	7240	1
	70	100	MNX 70	#	CS97076	10100	1
	80	100	MNX 80	#	CS97077	12500	1
Fr 4	95	160	MNX 95	2 NO + 2 NC	CS94136	19100	1
	110	160	MNX 110	2 NO + 2 NC	CS94137	23200	1
	140	160	MNX 140	2 NO + 2 NC	CS94138	29600	1
Fr 5	185	250	MNX 185	2 NO + 2 NC	CS94139	35700	1
	225	300	MNX 225	2 NO + 2 NC	CS94140	39300	1
	250	300	MNX 250	2 NO + 2 NC	CS94141	44300	1
Fr 6	300	400	MNX 300	2 NO + 2 NC	CS90280	53500	1
	400	425	MNX 400	2 NO + 2 NC	CS94144	75100	1
	550	650	MNX 550	2 NO + 2 NC	CS94145	110300	1
	650	800	MNX 650	2 NO + 2 NC	CS96327	168200	1

Notes:

- 1) # Add-on blocks can be ordered separately
- 2) For ordering MNX/MO, please refer page No. 8
- 3) For ordering MNX/MO surge suppressor and MNX/MO MIL kit, please refer page No. 9
- 4) For ordering Suffix, please refer page No. 10
- 5) Standard coil voltage: MNX/MO - 110V, 220V, 240V and 415V, 50Hz.

▲ If using 16 sq mm cable for MO 45 use of spreader link kit is mandatory

▲ For ordering spreader link kit for MO 45, Please refer page No. 9

* Universal AC/DC electronic coil version

3 Pole Power Contactors - Type MO

Features

- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Range from 9A - 300A AC-3
- Range 140A-300A available with conventional / universal AC/DC electronic coil version
- Common coil for 50 & 60Hz application
- Low pick-up VA consumption
- Standardized accessories for 9A-110A and 140A-300A range
- Compact dimensions saving panel space
- Suitable for Lug as well as Lugless termination
- RoHS compliant



MO 18



MO 45



MO 70



MO 110



MO 140



MO 300

Size	AC 4 Rating (A)	AC 3e Rating (A)	AC 1 Rating (A)	Type	Aux. Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 0	9	9	30	MO 9	1NO+1NC	CS94833	1700	10
	12	12	32	MO 12	1NO+1NC	CS94834	1920	10
	18	18	32	MO 18	1NO+1NC	CS94835	2150	10
Fr 1	25	25	45	MO 25	#	CS94567	2410	10
	32	32	50	MO 32	#	CS94568	5110	10
	40	40	50	MO 40	#	CS94569	7760	10
	45	45	50	MO 45 ▲	#	CS94570	9900	10
	50	50	100	MO 50	#	CS94572	10500	1
Fr 2	60	60	100	MO 60	#	CS94573	11300	1
	70	70	100	MO 70	#	CS94574	14100	1
Fr 3	80	80	125	MO 80	#	CS94576	17700	1
	95	95	125	MO 95	#	CS94577	20200	1
	110	110	140	MO 110	#	CS94578	24500	1
Fr 4	140	140	250	MO 140	2NO+2NC	CS95000	33900	1
	185	185	275	MO 185	2NO+2NC	CS95001	39400	1
	225	225	275	MO 225	2NO+2NC	CS95002	43300	1
Fr 4*	140	140	250	MO 140	2NO+2NC	CS95042	45500	1
	185	185	275	MO 185	2NO+2NC	CS95047	56400	1
	225	225	275	MO 225	2NO+2NC	CS95052	60200	1
Fr 5	250	250	400	MO 250	2NO+2NC	CS94441	48800	1
	300	300	500	MO 300	2NO+2NC	CS94440	58800	1
	250	250	400	MO 250	2NO+2NC	CS94456	66000	1
Fr 5*	300	300	500	MO 300	2NO+2NC	CS94464	76500	1

Switching Solutions for all Utilization Categories from MO platform



2 Pole Power Contactors [8536]

2 Pole Power Contactors - Type MNX

Features

- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Range from 9A – 650A AC-3
- DC ratings available
- Click fit type construction up to 40A
- Coil on top design in 95A and above
- Common spares and accessories as MNX 3P

Size	AC3 Rating (A)	AC1 Rating (A)	Type	Aux. Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	9	25	MNX 9-2P	1 NO	CS90232	850	10
	12	30	MNX 12-2P	1 NO	CS90234	990	10
	18	30	MNX 18-2P	1 NO	CS90236	1160	10
	22	32	MNX 22-2P	1 NO	CS90238	1340	10
Fr 2	25	45	MNX 25-2P	#	CS90240	1390	10
	32	55	MNX 32-2P	#	CS90241	2930	10
	40	55	MNX 40-2P	#	CS90242	4570	10
	50	85	MNX 50-2P	#	CS94061	6150	1
Fr 3	70	100	MNX 70-2P	#	CS94062	8590	1
	80	100	MNX 80-2P	#	CS94063	10600	1
Fr 4	95	160	MNX 95-2P	#	CS94064	16200	1
	110	160	MNX 110-2P	#	CS94065	19700	1
	140	160	MNX 140-2P	#	CS94066	25200	1
Fr 5	185	250	MNX 185-2P	2 NO + 2 NC	CS94978	30300	1
	225	300	MNX 225-2P	2 NO + 2 NC	CS94979	33400	1
	250	300	MNX 250-2P	2 NO + 2 NC	CS90301	37700	1
Fr 6	300	400	MNX 300-2P	2 NO + 2 NC	CS90346	45500	1
	400	425	MNX 400-2P	2 NO + 2 NC	CS94069	63800	1
	550	650	MNX 550-2P	2 NO + 2 NC	CS90243	93800	1
	650	800	MNX 650-2P	2 NO + 2 NC	CS90578	143000	1

3 Pole Power Contactors [8536]

3 Pole Power Contactors - Type MDX

Features

- Conforms to IS/IEC 60947-4-1 & IEC 60947-4-1
- Range from 9 - 110A AC-3
- Built in surge suppressor for MDX 9 - 110



MDX 25



MDX 38



MDX 110

Size	AC3 Rating (A)	AC1 Rating (A)	Type	Aux. Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1 (DC Control Coil)	9	25	MDX 9	1 NO	CS96564	2060	1
	12	28	MDX 12	1 NO	CS96565	2430	1
	18	32	MDX 18	1 NO	CS96566	2840	1
	25	32	MDX 25	1 NO	CS96567	3940	1
Fr 2 (DC Control Coil)	32	56	MDX 32	#	CS96552	7610	1
	38	56	MDX 38	#	CS96553	10400	1
Fr 3 (Electronic Coil-AC/DC)	50	90	MDX 50	#	CS91584	15100	1
	65	110	MDX 65	#	CS91585	17100	1
	80	125	MDX 80	#	CS91586	21200	1
	95	125	MDX 95	#	CS91857	25400	1
	115	125	MDX 115	#	CS91858	28300	1

Notes:

- 1) # Add-on blocks can be ordered separately.
- 2) For ordering MDX/MNX add-on aux contact blocks, please refer page No. 8
- 3) For ordering MNX surge suppressor and MIL kit, please refer page No. 9
- 4) For ordering Suffix, please refer page No. 10
- 5) Standard coil voltage: MDX - 24V, 48V, 110V and 220V DC
- 6) Standard coil voltage: MNX 2P - 240V, 50Hz
- 7) For DC power ratings refer catalogue
- 8) For MDX side add-on and top add-on can not be mounted together

3 Pole Power Contactors [8536]

3 Pole Power Contactors - Type MX Mini

Features

- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- AC/DC Contactor in 45mm width
- Base as well as DIN Rail mounting facility
- Built-in Surge Suppressor in MX DC



MX 06

AC3 Rating (A)	AC1 Rating (A)	Type	Aux. Contact	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
For AC control (Std. Coil Voltage - 24, 110, 240, 415V, 50Hz)						
6A	20A	MX 06	1 NO	CS94012	1210	10
6A	20A	MX 06	1 NC	CS94013	1210	10
9A	20A	MX 09	1 NO	CS94014	1250	10
9A	20A	MX 09	1 NC	CS94015	1250	10
12A	20A	MX 12	1 NO	CS94016	1390	10
12A	20A	MX 12	1 NC	CS94017	1390	10
For DC control (Std. Coil Voltage - 24, 110, 220V)						
6A	20A	MX 06	1 NO	CS94021	1900	10
6A	20A	MX 06	1 NC	CS94022	1900	10
9A	20A	MX 09	1 NO	CS94023	1980	10
9A	20A	MX 09	1 NC	CS94024	1980	10
12A	20A	MX 12	1 NO	CS94025	2180	10
12A	20A	MX 12	1 NC	CS94026	2180	10

3 Pole Power Contactors - Type ML

Features

- Conforms to IS/IEC 60947-4-1 & IEC 60947-4-1
- Range from 25 - 300A AC-3
- Robust and suitable for hostile applications



ML 1.5



ML 3



ML 6



ML 12

Size	AC3 Rating (A)	AC1 Rating (A)	Type	Aux. Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	25	25	ML 1.5	2 NO + 2 NC	SS91851	4490	1
Fr 2	32	40	ML 2	2 NO + 2 NC	SS90701	8340	1
	40	45	ML 3	2 NO + 2 NC	SS90721	12300	1
Fr 3	70	100	ML 4	2 NO + 2 NC	SS90910	20100	1
	110	125	ML 6	2 NO + 2 NC	SS90921	31800	1
Fr 4	300	400	ML 12	2 NO + 2 NC	SS91010	72000	1

Notes:

- 1) For ordering MX add-on aux contact blocks, please refer page No. 8
- 2) For ordering ML add-on aux contact blocks, please refer page No. 9
- 3) For ordering MX surge suppressor and MIL kit, please refer page No. 9
- 4) For Ordering Suffix, please refer page No. 10
- 5) Standard Coil Voltage : ML 1.5/2/3 - 110V, 240V and 440V, 50 Hz
ML 4/6/12 - 110V, 240V and 415V, 50 Hz



4 Pole Power Contactors - Type MCX

Features

- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Range from 16A – 800A AC-1
- Wide operating band up to 130A AC-1



MCX 22



MCX 34



MCX 47

Size	AC-1 Rating (A)	Type	Aux Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	18	MCX 01	#	CS97009	1200	10
	25	MCX 02	#	CS97010	1270	10
	32	MCX 03	#	CS97011	1350	10
	40	MCX 04	#	CS97012	1880	10
Fr 2	55	MCX 11	#	CS97013	2490	1
	63	MCX 12	#	CS97014	4880	1
	80	MCX 13	#	CS97015	8100	1
Fr 3	105	MCX 22	#	CS97017	10800	1
	130	MCX 23	#	CS97018	12800	1
Fr 4	160	MCX 32	2 NO + 2 NC	CS97020	21100	1
	200	MCX 33	2 NO + 2 NC	CS97021	25800	1
	255	MCX 34	2 NO + 2 NC	CS97022	31700	1
Fr 5	325	MCX 41	2 NO + 2 NC	CS97023	52000	1
	360	MCX 42	2 NO + 2 NC	CS97024	56000	1
	400	MCX 43	2 NO + 2 NC	CS97025	65000	1
	560	MCX 44	2 NO + 2 NC	CS97026	82300	1
	600	MCX 45	2 NO + 2 NC	CS97027	97400	1
	700	MCX 46	2 NO + 2 NC	CS97028	109300	1
	900	MCX 47	2 NO + 2 NC	CS94291	144000	1

Automatic Transfer Controllers (ATC)



AuXC-2000 Controller

Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
AuXC-2000 Controller	ATC20000000	31600	1
AuXC-2100 Controller** with Optional RS485	ATC21000000	63000	1
RS485 Module for AuXC-2100 Controller**	ETACONRS485	12600	1

Can be used along with ACB, Motorised MCCBs, MCX contactors & Motorised Changeover switches

** Note: RS485 expansion module needs to be ordered with AuXC-2100 for communication

For AuXC 2000/2100 programming videos and more details please scan the QR code or click here



Notes for MCX :

- 1) # Add on blocks can be ordered separately.
- 2) For ordering MCX add-on aux contact blocks, please refer page No. 8
- 3) For ordering MCX surge suppressor and MIL kit, please refer page No. 9
- 4) For Ordering Suffix, please refer page No. 10
- 5) Standard Coil Voltage: MCX - 220V, 240V and 415V 50Hz
- 6) Mounting of side add-on aux. contact block is not recommended for mechanically interlocked MCX 11/12/13 contactors
- 7) MCX 01-04 and MCX 11-13 available in 48V DC coil. Contact nearest branch for more details.
- 8) MCX 01-04 available with 2NO+2NC power contacts. Contact nearest branch for more details.

To avoid coil failure due to neutral floating, it is recommended to use 415V coil

Control Relays (Auxiliary Contactors) [8536]

Type MX0 AC



MX0 40E

Features

- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Available with AC or DC control in same dimension
- Inbuilt Surge Suppressor in MX DC

Rated Current	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
For AC control std. Coil Voltage - 24, 110, 240, 415V, 50Hz				
AC-15 4A at 415V	MX0 40E (4 NO)	CS94018	1460	10
	MX0 31E (3 NO + 1 NC)	CS94019	1460	10
	MX0 22E (2 NO + 2 NC)	CS94020	1460	10
	MX0 13E (1 NO + 3 NC)	CS94041	1460	10
	MX0 04E (4 NC)	CS94042	1460	10

Type MO0 AC



MO0 AC

Features

- Same add-on aux. contact block in MO0 as of MO power contactors
- Common coil for 50 & 60Hz application

Rated Current	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
For AC control std. Coil Voltage - 24, 110, 240, 415V, 50Hz				
AC-15 4A at 415V	MO0 40E (4NO)	CS91623	935	10
	MO0 31E (3NO + 1NC)	CS91624	935	10
	MO0 22E (2NO + 2NC)	CS91625	935	10

Note: 6NC & above combination is not recommended for MO0 AC
For ordering add-on contact blocks of MX0, MO0, please refer page no.8

Type MX0 DC

Rated Current	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
For DC control std. Coil Voltage - 24, 110, 220V				
AC-15 4A at 415V	MX0 40E (4 NO)	CS94027	1910	10
	MX0 31E (3 NO + 1 NC)	CS94028	1910	10
	MX0 22E (2 NO + 2 NC)	CS94029	1910	10
	MX0 13E (1 NO + 3 NC)	CS94043	1910	10
	MX0 04E (4 NC)	CS94044	1910	10

Type MO0 DC



MO0 DC

Features

- Same add-on aux. contact block in MO0 as of MO power contactors
- Inbuilt Surge Suppressor in MO0 DC

Rated Current	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
For DC control std. Coil Voltage - 24, 48, 110, 220				
AC-15 4A at 415 V	MO0 40E (4NO)	CS90045	2090	10
	MO0 31E (3NO + 1NC)	CS90046	2090	10
	MO0 22E (2NO + 2NC)	CS90047	2090	10

Note: 5NC & above combination is not recommended for MO0 DC
For ordering add-on contact blocks of MX0, MO0, please refer page no.8

Notes: 1) For Ordering Suffix, please refer page No. 10
2) 5 NC & above combinations are not recommended for MX0 DC Control Contactors
3) 1 NO + 3 NC, 4 NC add on block combinations are not recommended for MX0 DC Control Contactors.

Capacitor Duty Contactors [8536]

Capacitor Duty Contactors - Type MO C



MO C25



MO C50



MO C100

Size	kVA Rating @ 440V, 3Ph, 50Hz	Type	Built-in Auxiliary Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	3	MO C3	1NO	CS96146	2120	1
	5	MO C5	1NO	CS96127	2220	1
	8.5	MO C8.5	1NO	CS96320	2490	1
	10	MO C10	1NO	CS96156	2650	1
	12.5	MO C12.5	1NO	CS96321	2780	1
	15	MO C15	1NO	CS90019	3750	1
	20	MO C20	1NO	CS90021	4220	1
	25	MO C25▲	1NO	CS96322	4860	1
Fr 2	30	MO C30\$	1NO	CS96148	7360	1
	40	MO C40	1NO	CS96147	12200	1
	50	MO C50	1NO	CS96324	13400	1
Fr 3	60	MO C60\$	1NO	CS96149	14700	1
	75	MO C75	1NO	CS96150	17800	1
	85	MO C85	1NO	CS96157	19200	1
	100	MO C100\$	1NO	CS96158	19800	1

Features

- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- MO C Range available from 3 - 100 kVA, AC-6b
- Delatching type early make contacts
- Separate termination for damping resistors
- Encapsulated damping resistor assembly
- Common coil for 50 & 60Hz application
- Low pick-up VA consumption
- Standard accessories throughout the range in line with MO contactor
- Suitable for Lug as well as Lugless termination
- RoHS compliant

**For Power Quality Solutions,
please refer page No. 68-73**

Note :

- 1) For ordering add-on aux. contact block, please refer page No. 8
- 2) For ordering suffix, please refer page No.10
- 3) For ordering spare coils, please refer page No. 11
- 4) Standard coil voltage : 240V, 50/60 Hz
- 5) For ordering MO C surge suppressor, please refer page No. 9

- ▲ If using 16 sq mm cable use of spreader link kit is mandatory
- ▲ For ordering spreader link kit, Please refer page No. 9
- \$ Spreader link along with phase barrier included in packing

Definite Purpose Contactors [8536]

Single Pole Contactors - Type MR

Features

- Wide and chatter free operating band
- High AC-1 rating for single phase applications



MR 11W
(Wide band coil)



MR 13



MR 11NW
SPN (Wide band coil)

AC3 Rating (A)	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
25A	MR 11W	CS94176	1200	10
25A	MR 11NW	CS94178	1280	10
40A	MR 13	CS94992	1310	40

Note:

- 1) Ordering Suffix BOOO - 240V, 50Hz
- 2) For ordering add-on aux. contact block, please refer page No. 9

Two Pole Contactors - Type MU-2P

Features

- Wide band potted coil
- Neutral isolation



MU 16-2P

AC3 Rating (A)	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
16A	MU16-2P	CS90117	990	10
25A	MU25-2P	CS90118	1210	10
40A	MU40-2P	CS90119	1535	10

Note:

- 1) Coil voltages available for MU-2P are 220V, 240V, wide band coil 160-220V
- 2) Ordering suffix for wide band coil of MU-2P is NOOO
- 3) For ordering add-on aux. contact block, please refer page No. 8



Accessories - Add-on Auxiliary Contact Blocks [8538]

	MNX 9-80	MNX 95-650	MO 9-110	MO 140-300	ML	MX	MDX 9-110	MCX 01-23	MCX 32-47	MX0	MO0	MO C	MR	MU-2P
Front add-on possible	Yes	No	Yes	No	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes
Side add-on possible	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	No	No

Note: 1) Mounting of side add-on aux. contact block is not recommended for mechanically interlocked MCX 11/12/13 contactors
2) Accessories are common for MNX 2P & MNX 3P contactors

Front Mounting

Add-on aux. Contact Block



MNX / MCX
Front Add-on
aux. contact Block



MO / MO0
Front Add-on
aux. contact Block



MDX Front
Add-on
aux. contact Block



MX Front
Add-on
aux. contact Block



MU-2P
Front Add-on
aux. contact Block

Front Mounting	Suitable for									
	MNX 9-80 / MCX 01-23	M.R.P. (₹) Per Unit	MO 9-110 / MO0	M.R.P. (₹) Per Unit	MDX# 9-110	M.R.P. (₹) Per Unit	MX 0/6/9/12	M.R.P. (₹) Per Unit	MU-2P	M.R.P. (₹) Per Unit
4 NO	CS94112 [^]	625	CS94594 [^]	625	-	-	CS94033 [^]	590	-	-
3 NO + 1 NC	CS94113 [^]	625	CS94595 [^]	625	-	-	CS94034 [^]	590	-	-
2 NO + 2 NC	CS94114 [^]	625	CS94596 [^]	625	CS96569 [~]	820	CS94035 [^]	590	-	-
1 NO + 3 NC	CS94115 [^]	625	CS94597 [^]	625	CS90906 [~]	820	CS94036 [^]	590	-	-
4 NC	CS94116 [^]	625	CS94598 [^]	625	-	-	CS94037 [^]	590	-	-
2 NO	CS94117 [^]	415	CS94591 ^{^^}	415	-	-	CS94030 [^]	380	CS90692 [^]	415
1 NO + 1 NC	CS94118 [^]	415	CS94592 ^{^^}	415	CS96568 [~]	480	CS94031 [^]	380	CS90693 [^]	415
2 NC	CS94119 [^]	415	CS94593 ^{^^}	415	-	-	CS94032 [^]	380	CS90694 [^]	415
1 NO	CS94120 [^]	215	CS94585 ^{^^}	215	CS96586 [~]	265	-	-	CS90695 [^]	215
1 NC	CS94121 [^]	215	CS94586 ^{^^}	215			-	-	CS90696 [^]	215

For MDX Side add-on and top add-on can not be mounted together



MNX/MCX
Side Add-on aux. contact Block



MO/MO C
Left Add-on aux. contact Block

Side Mounting

Add-on aux. Contact Block

Side Mounting	Suitable for								
	Aux Contact	MNX 9-40/ MCX 01-04	M.R.P. (₹) Per Unit	MCX 11-13	M.R.P. (₹) Per Unit	MNX 50-80/ MCX 22-23	M.R.P. (₹) Per Unit	MO 9-110/ MO C 3-100	M.R.P. (₹) Per Unit
First left	1 NO + 1 NC	CS94220^	665	CS94201^	715	CS94201^	715	CS94580^	665
First Right	1 NO + 1 NC	CS94221^	665	CS94202^	715	CS94202^	715	CS94581^	665
Second Left	1 NO + 1 NC	-	-	-	-	CS94203^	715	CS94582^	665
Second right	1 NO + 1 NC	-	-	-	-	CS94204^	715	CS94583^	665

Note: Mounting of side add-on aux. contact block is not recommended for mechanically interlocked MCX 11/12/13 contactors
For MO 9-18, only First left and Second left side add-on is allowed.



MO
Left Add-on aux. contact Block



MDX
Side Add-on aux. contact Block

Side Mounting

Add-on aux. Contact Block

Side Mounting	Suitable for						
	Aux Contact	MNX 95-650/ MCX 32-47	M.R.P. (₹) Per Unit	MO 140-300	M.R.P. (₹) Per Unit	MDX# 9-110	M.R.P. (₹) Per Unit
First left	1 NO + 1 NC	CS94205 [^]	815	CS95033 [^]	815	ST94985 [^]	980
First Right	1 NO + 1 NC	CS94206 [^]	815	CS95034 [^]	815		
Second Left	1 NO + 1 NC	CS94207 [^]	815	CS95035 [^]	815	-	-
Second right	1 NO + 1 NC	CS94208 [^]	815	CS95036 [^]	815	-	-

For MDX Side add-on and top add-on can not be mounted together

~ Standard Packing is 1 ^Standard Packing is 10 ^^Standard Packing is 20

Accessories - Add-on Auxiliary Contact Blocks [8538]

Side Mounting Add-on aux. Contact Block - ML



ML Add-on aux. contact Block

Side Mounting	Aux Contact	Suitable for			
		ML 4/6	M.R.P. (₹) Per Unit	ML 12	M.R.P. (₹) Per Unit
Left	1 NO + 1 NC	SS91494 ^A	1010	-	-
Right	1 NO + 1 NC	-	-	SS91474 ^A	1010

Note: Ordering Suffix for Add-on aux. contact blocks : OOOO

Add-on aux. Contact Block - MR



MR 1NO

Description	For Contactor	Contacts Type	Cat. No.	M.R.P. (₹) Per Unit
Top add-on single pole	MR	1 NO	CS94179 ^A	315

~ Standard Packing is 1 ^AStandard Packing is 10 ^{AA}Standard Packing is 20

Accessories - Surge Suppressors [8538]

For MX, MNX, MCX, MO & MO C



Ordering Suffix * 110-240V: BOOO, 415V: DOOO

110V: AOOO, 220-240V: BOOO, 360-525V: DOOO

^ 110V: AOOO, 220-320V: BOOO, 360-415V: DOOO

MDX 9-110, MNX 550-650, MCX 45-47, MX DC, MX0 DC & MO0 DC have built in surge suppressor

For Contactor	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MX 06 to MX 12 / MX 0 AC (S1)	CS94039 [*]	530	10
MNX 9 - 40 / MCX 01 - 04 (S1)	CS94166 [*]	535	10
MNX 50 - 80 / MCX 11 - 23 (S3)	CS94163 [*]	595	10
MNX 95 - 250 / MCX 32 - 34 (S4)	CS94164 [#]	1960	10
MNX 300 - 400 / MCX 41 - 44 (S6)	CS94165 [#]	2650	10
MO Frame 0/1, MO C Frame 1, MO0 Control	CS91706 ^A	535	10
MO/MO C - Frame 2	CS91707 ^A	595	10
MO/MO C - Frame 3	CS91708 ^A	1960	10
MO Frame - 4/5	CS91854 ^A	2650	10

Accessories - Mechanical Interlock Kits & Spreader Link Kit [8538]

Mechanical Interlock Kit for MX, MO, MDX, MNX & MCX



For Contactor	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MX 06 to MX 12 / MX 0	CS94038	530	10
MO 9 - 110 [*]	CS94584	750	10
MDX 9 - 38	CS96572	595	1
MDX 50 - 110	CS96573	1820	1
MNX 9 - 40	CS94126	430	10
MNX 50 - 80	CS94197	3030	1
MNX 95 - 140	CS94198	4710	1
MNX 185 - 250	CS94199	5370	1
MNX 300 - 650	CS94200	6080	1
MCX 01 - 04	CS94126	430	10
MCX 11 - 13	ST50540	850	10
MCX 22 - 23	CS93095	4000	1
MCX 32 - 34	SS94992	4130	1
MCX 41 - 47	CS94301	6820	1

Note:

1) Ordering Suffix for Mechanical Interlock Kits : OOOO

2) * MO MIL Kit contains inbuilt 2 NC Contacts

3) Mounting of side add-on aux. contact block is not recommended for mechanically interlocked MCX 11/12/13 contactors

4) MIL kit for MNX 50-80 comes with 2 left & 2 right side add-on aux. contact blocks i.e. 4 NO + 4 NC

5) MIL kit for MCX 22/23 comes with 2 left & 2 right side add-on aux. contact blocks i.e. 4 NO + 4 NC

MO / MO C Spreader Link Kit



For Contactor	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MO 9 - 45 / MOC 3 - 30	CS94274	500	10
MO 50 - 70 / MOC 40 - 60	CS94093	790	10
MO 80 - 110 / MOC 75 - 100	CS94094	1140	1
MO 140 - 225	CS91057	3200	1
MO 250 - 300	CS90940	4990	1

Note:

1) If using 16 sq mm cable for MO 45/MO C25 use of spreader link is mandatory

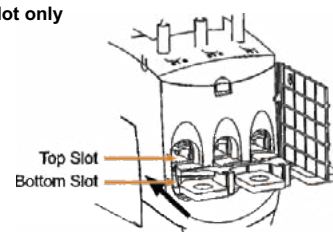
2) Spreader Link Kit consists of six terminals along with phase barrier

(Not applicable for MO 250-300)

3) In MO C 30, MO C 60 & MO C 100 spreader link is included in packing

4) Ordering Suffix: OOOO

⚠ 5) Insert spreader link in top slot only



Accessories - Connecting Links [8538]

DOL Starter - Link



DOL Starter



Contactor MPCB Link

Suitable For	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MOG H1/S1 with MO 9-18	CS90396 #	415	10
MOG H1/S1 with MO 25-45	CS90391 #	415	10

Reversing DOL Starter - Link



RDOL Starter



Reversing Starter



Paralleling Link



Contactor MPCB Link

Suitable For	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MOG H1/S1 with MO 9-18	CS90548 #	1040	10
MOG H1/S1 with MO 25-45	CS90546 #	1040	10

Star Delta Starter - Link



Star Delta Starter



Reversing / star delta Link



Paralleling Link



Contactor MPCB Link

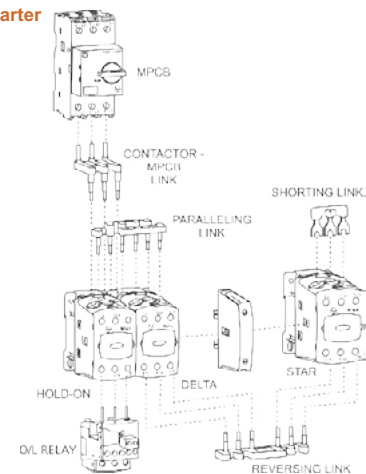


Shorting Link

Suitable For	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MOG H1/S1 with MO 9-18	CS90549 #	1250	10
MOG H1/S1 with MO 25-45	CS90547 #	1250	10

Ordering Suffix OOOO

Example of Star Delta Starter Connection with Link



Accessories - Mechanical Latch [8538]

Mechanical Latch

Features

- Keeps contactor in closed condition even after removal of coil supply
- Ideal for logical operations
- Suitable for sites where voltage fluctuation is frequent
- Saves energy as coil supply can be removed once contactor is picked up

Suitable For	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MO 9-70A, MO 0 control	Mechanical Latch	CS90136	2780	10

For Ordering Suffix refer below table

Standard Coil Voltage of Mechanical Latch is 24V AC, 110V AC & 240V AC

Ordering Suffix for Standard Coil Voltages

Ordering Suffix for Standard Coil Voltages			
AC Control		DC Control*	
Voltage (V)	Suffix	Voltage (V)	Suffix
24	G000	24	4000
110	A000	48	5000
220	K000	110	1000
240	B000	220	2000
415	D000		
440	P000		

Ordering suffix for Electronic coil Contactor		
AC / DC control		
Voltage (V)	Suffix	Contactor
20-48	J000	MDX 50-110
60-110	A000	MDX 50-110
110-240	B000	MDX 50-110 & MO 140-300
240-415	D000	MO 140-300

Note:

1) * For MX DC, MDX 9-38, MX0 DC, MO0 DC

2) For other coil voltages please contact nearest branch office

Spare Contact Kit and Spare Coil



ML Spare Kits



ML Spare Coils

Spare Contact kit			Spare Coil	
Type	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
ML 1.5	SS95305 [^]	2320	SS90873 [^]	925
ML 2	SS95307 [^]	4240	SS90545 [^]	1700
ML 3	SS95309 [^]	7150		
ML 4	SS95311 [^]	11100	SS91258 [~]	3250
ML 6	SS95313 [^]	19600		
ML 10	SS95315 [~]	40000	SS91011 [~]	7120
ML 12	SS95317 [~]	43100		
MR	-	-	CS94102 [^]	700
MU16-2P	CS90217 [^]	290	CS90793 [^]	385
MU25-2P	CS90218 [^]	380		
MU40-2P	CS90219 [^]	550		
MO 0 AC	-	-	CS94841 [^]	500

Note:

- 1) Coil voltages available for MU-2P are 220V, 240V, wide band coil 160-220V
 2) Ordering suffix for wide band coil of MU-2P is NOOO

MO C Spare Coils		
Type	Cat. No.	M.R.P. (₹) Per Unit
MO C3 - 30	CS96317 [^]	620
MO C40 - 60	CS96318 [^]	1870
MO C75 - 100	CS96319 [^]	3240

Front housing & Moving bridge kit and Combination coil with timer for ML contactor



Front housing and moving bridge kit		
Type	Cat. No.	M.R.P. (₹) Per Unit
ML 1.5	ST28734 [~]	840
ML 2/ ML 3	ST23866 [~]	1150
ML 4/ ML 6	ST28735 [~]	2090
Combination coil with timer		
Type	Cat. No.	M.R.P. (₹) Per Unit
ML 2	SS90650 [~]	3950

Note :

- 1) Ordering Suffix for Spare Contact kit - OOOO
 2) For Spare Coil Ordering Suffix refer page No. 10

- ~ Standard Packing is 1
[^]~ Standard Packing is 5
[^] Standard Packing is 10
[~]~ Standard Packing is 50

Spare Contact Kit and Spare Coil



MNX Spare Coils

MCX Spare Kits

	Spare Contact kit			Spare Coil	
	Type	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
MO Contactors	MO 9 (1 NO + 1 NC)	CS94843 [^]	555	CS94841 [^]	500
	MO 12 (1 NO + 1 NC)	CS94844 [^]	720		
	MO 18 (1 NO + 1 NC)	CS94845 [^]	790		
	MO 9	CS96380 [^] ~	555	CS96317 [^]	620
	MO 12	CS96381 [^] ~	720		
	MO 18	CS96382 [^] ~	790		
	MO 25	CS96383 [^] ~	905		
	MO 32	CS96384 [^] ~	2050		
	MO 40	CS96385 [^] ~	3460		
	MO 45	CS96386 [^] ~	3500		
	MO 50	CS96387 [^] ~	3540		
	MO 60	CS96388 [^] ~	4580	CS96318 [^]	1870
	MO 70	CS96389 [^] ~	5090		
	MO 80	CS96390 [^] ~	7000	CS96319 [^]	3240
	MO 95	CS96391 [^] ~	8830		
	MO 110	CS96392 [^] ~	12900	CS90356 [~]	7530
	MO 140	CS90357 [~]	15500		
	MO 185	CS90358 [~]	18600		
	MO 225	CS90359 [~]	21300	CS94442 [~]	11200
	MO 250	CS94444 [~]	25600		
	MO 300	CS94443 [~]	28900	CS90855 [~]	13600
	MO 140 (electronic coil)	CS90357 [~]	15500		
	MO 185 (electronic coil)	CS90358 [~]	18600		
	MO 225 (electronic coil)	CS90359 [~]	21300		
	MO 250 (electronic coil)	CS94444 [~]	25600	CS90738 [~]	13700
	MO 300 (electronic coil)	CS94443 [~]	28900		
MVO	MVO	-	-	CS90174 [~]	32000
MNX Contactors	MNX 9	CS94123 [^]	555	CS94105 [^]	500
	MNX 12	CS94124 [^]	720		
	MNX 18	CS94125 [^]	790		
	MNX 22	CS94269 [^]	835		
	MNX 25	CS94127 [^]	905		
	MNX 32	CS94128 [^]	2050	CS94192 [^]	1870
	MNX 40	CS94147 [^]	3460		
	MNX 50	CS94150 [^]	3540		
	MNX 70	CS94151 [^]	5090		
	MNX 80	CS94152 [^]	7000	CS94196 [~]	3240
	MNX 95	CS94153 [~]	8830		
	MNX 110	CS94154 [~]	12900		
	MNX 140	CS94155 [~]	15500		
	MNX 185	CS94156 [~]	18600	CS94194 [~]	7530
	MNX 225	CS94157 [~]	21300		
	MNX 250	CS90310 [~]	25600		
	MNX 300	CS90283 [~]	28900	CS94195 [~]	11200
	MNX 400	CS94161 [~]	42400		
	MNX 550	CS94162 [~]	55900		
	MNX 650	CS96336 [~]	86500	CS94193 [~]	22700
MCX Contactors	MCX 01-04	-	-	CS94105 [^]	500
	MCX 11	CS94077 [^]	1800	CS94009 [^]	695
	MCX 12	CS94078 [^]	3530		
	MCX 13	CS90307 [^]	5410		
	MCX 22	CS94331 [~]	6340	ST91291 [^] ~	1650
	MCX 23	CS90078 [~]	7930		
	MCX 32	CS94082 [^]	12300		
	MCX 33	CS94083 [^]	15900	CS94196 [~]	3240
	MCX 34	CS94084 [^]	18000		
	MCX 41	CS94295 [~]	28100		
	MCX 42	CS94296 [~]	33000	CS94195 [~]	11200
	MCX 43	CS94297 [~]	39600		
	MCX 44	CS94298 [~]	48600		
	MCX 45	CS94299 [~]	51800	CS94193 [~]	22700
	MCX 46	CS94300 [~]	60200		
	MCX 47	CS90308 [~]	81400		

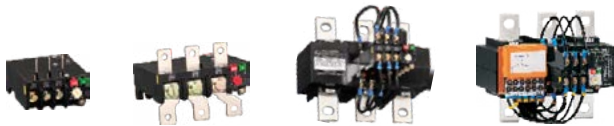
* Ordering Suffix for 240V AC - FOOO, 415V AC - ROOO



Type MN - Suitable for MNX Contactor

Features

- Available in 3 frame sizes from 0.2-570 A
- Ambient temperature compensated up to 55°C
- Built-in Single Phasing protection
- Manual and auto reset mode
- Conforms IS/IEC 60947-4-1 & IEC 60947-4-1



MN 2

MN 5

MN 12

MN 12L

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MN 2 (Directly Operated)	Direct Mounting on MNX 9 - 40			
	0.2 - 0.33	SS94141OOEO	1690	10
	0.3 - 0.5	SS94141OOGO	1690	10
	0.45 - 0.75	SS94141OOJO	1690	10
	0.6 - 1	SS94141OOKO	1690	10
	0.9 - 1.5	SS94141OOMO	1700	10
	1.4 - 2.3	SS94141OOPPO	1700	10
	2 - 3.3	SS94141OOQO	1700	10
	3 - 5	SS94141OOSO	1700	10
	4.5 - 7.5	SS94141OOUO	1700	10
	6 - 10	SS94142OOVO	1700	10
	9 - 15	SS94142OOBO	1710	10
	14 - 23	SS94144OODO	1860	10
	20 - 33	SS94145OOEO	2740	10
	24 - 40	SS94145OOFO	2880	10
MN 5 (Directly Operated)	Direct Mounting on MNX 50 - 80			
	9 - 15	SS94135OOBO	3410	10
	14 - 23	SS94135OODO	3410	10
	20 - 33	SS94136OOEO	3410	10
	30 - 50	SS94136OOGO	4200	10
	36 - 60	SS94136OOTTO	4520	10
MN 12 (CT Operated)	Separate Mounting			
	28 - 46.5	SB94211OOGO	8060	1
	42 - 69	SS94138OOHO	8060	1
	60 - 100	SS94138OOKO	8060	1
	90 - 150	SS94138OOMO	8060	1
	135 - 225	SS94138OOPPO	10100	1
MN 12L # (CT Operated)	Separate Mounting			
	42 - 69	SS94127OOHO	25900	1
	60 - 100	SS94127OOKO	25900	1
	90 - 150	SS94127OOMO	25900	1
	135 - 225	SS94127OOPPO	25900	1
	180 - 300	SS94127OOQO	25900	1
	340 - 570	SS94127OOSO	25900	1

For motors with longer starting time (Trip class 30)

Type RTO - Suitable for MO Contactor

Features

- Ambient temperature compensated upto 55°C
- Built-in Single Phasing protection
- Manual and auto reset mode
- Front access to START and STOP/RESET buttons
- Sealable in OFF condition
- Conforms IS/IEC 60947-4-1 & IEC 60947-4-1



RTO 1

RTO 2

RTO 3

RTO 4

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
RTO - 1 (Directly Operated)	Direct Mounting on MO 9 - 45			
	0.23 - 0.41	CS96355OOFO	2280	10
	0.31 - 0.55	CS96355OOGO	2280	10
	0.55 - 0.85	CS96355OOJO	2280	10
	0.78 - 1.2	CS96355OOLLO	2280	10
	1.2 - 2.0	CS96355OONO	2280	10
	1.9 - 2.8	CS96355OOPPO	2310	10
	2.4 - 3.6	CS96355OOQO	2310	10
	3.5 - 5.2	CS96355OOSO	2310	10
	4.6 - 6.7	CS96355OOTTO	2310	10
	6.7 - 9.7	CS96355OOVO	2310	10
	8.5 - 12.5	CS96355OOAO	2350	10
	12.5 - 18.5	CS96356OOCO	2350	10
	17 - 25.5	CS96356OODO	2500	10
	25 - 37	CS96356OOEO	3680	10
	35 - 45	CS96356OOGO	3870	10
RTO - 2 (Directly Operated)	Direct Mounting on MO 50 - 70			
	5 - 7.5	CS96366OOUO	4510	1
	7 - 11	CS96366OOVO	4510	1
	10.5 - 16	CS96366OOBO	4510	1
	15 - 21	CS96366OOCO	4510	1
	20 - 31	CS96366OOEO	4640	1
	30 - 43	CS96366OOFO	5600	1
	40 - 57	CS96366OOSO	6210	1
	50 - 75	CS96367OOJO	6490	1
RTO - 3 (Directly Operated)	Direct Mounting on MO 80 - 110			
	23 - 30	CS90873OOEO	7550	1
	29 - 38	CS96303OOQO	7840	1
	37 - 49	CS96304OOGO	8090	1
	47 - 62	CS96312OOTTO	8240	1
	60 - 78	CS96313OOJO	9710	1
	75 - 110	CS96314OOKO	10600	1
RTO - 4 (CT Operated)	Separate Mounting			
	23.4 - 36	CS97096OOGO	11100	1
	36 - 60	CS97096OOJO	11100	1
	57 - 84	CS97096OOKO	11100	1
	72 - 108	CS97096OOLLO	11100	1
	105 - 156	CS97096OOMO	11100	1
	138 - 201	CS97096OONO	13700	1
	201 - 291	CS97096OOQO	14300	1
	255 - 375	CS97096OORO	17600	1

Thermal Overload Relays [8536]

Type RX



Features

- Direct mounting on MX contactor
- Built-in single phasing protection
- Front access to START and STOP/RESET buttons

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
RX (Directly Operated)	0.23-0.41	CS96357OOF0	1370	10
	0.45-0.78	CS96357OOJO	1370	10
	0.78-1.2	CS96357OOL0	1370	10
	1.2-1.9	CS96357OONO	1370	10
	1.8-2.8	CS96357OOP0	1370	10
Direct Mounting on MX Contactors	2.6-3.6	CS96357OOQ0	1370	10
	3.6-5.2	CS96357OOSO	1370	10
	4.8-7	CS96357OOT0	1370	10
	6.4-9.7	CS96357OOVO	1370	10
	8.2-12.1	CS96357OOAO	1370	10

Type ML



Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
ML 1 (Directly Operated)	Direct Mounting on ML 1.5 Contactors			
	0.15 - 0.25	SS91858OOD0	3110	10
	0.25 - 0.4	SS91858OOF0	3110	10
	0.4 - 0.65	SS91858OOH0	3110	10
	0.6 - 1	SS91858OOK0	3110	10
	1 - 1.6	SS91858OOM0	3110	10
	1.5 - 2.5	SS91858OOP0	3110	10
	2.5 - 4	SS91858OOR0	3110	10
	4 - 6.5	SS91858OOT0	3110	10
	6 - 10	SS91858OOVO	3110	10
	10 - 16	SS91858OOB0	3110	10
	11 - 18	SS91858OOC0	3110	10
ML 2 / ML 3 (Directly Operated)	Direct Mounting on ML 2/3 Contactors			
	9 - 14	SS91859OOAO	4590	10
	13 - 21	SS91859OOC0	4590	10
	20 - 32	SS91859OOEO	4590	10
	28 - 42	SS91859OOF0	4590	10

Type MU-2P (2 Pole)



Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)	Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Direct Mounting on MU-2P Contactor	MU 2P (2 Pole)				Direct Mounting on MU-2P Contactor	MU 2P (2 Pole)			
	1 - 1.6A	CS90207OOM0	715	1		11 - 18A	CS90207OOC0	800	1
	1.5 - 2.5A	CS90207OOP0	715	1		13 - 22A	CS90207OOD0	800	1
	2.5 - 4A	CS90207OOR0	715	1		16 - 26A	CS90207OOB0	800	1
	4 - 6.5A	CS90207OOT0	715	1		20 - 32A	CS90207OOEO	1000	1
	6 - 10A	CS90207OOVO	715	1		26 - 40A	CS90207OOF0	1000	1
	9 - 14A	CS90207OOAO	715	1					

Accessories for Thermal Overload Relays [8538]

Accessories for Thermal Overload Relays



Relay Mounting Kit Kit for Mounting MN5 Relay Din Rail Mounting Kit MN2 Relay

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Push button extn. unit for MN 2 Relays	SS94968OOO0	65	100
Kit for Mounting MN 2 Relay on ML 1.5 contactor	SS94701OOO0	225	50
Kit for Mounting MN 2 Relay separately (Direct Mounting Type)	SS94700OOO0	225	50
Kit for Mounting MN 5 Relay on MNX 95 / 110 / 140 contactor	SS94638OOO0	360	20
Kit for Mounting MN 5 Relay on ML 2 / ML 3 contactor	SS94151OOO0	235	20
Kit for Mounting MN5 Relay on ML 4 / ML 6 contactor	SS94152OOO0	320	20
DIN Rail Mounting Kit Relay on MN 2 Relay	SS91887OOO0	175	50

Relay Reset Cord for MN & RTO relay



400 mm 650 mm 900 mm 1200 mm

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MN Relay reset cord - 400mm	SB94207OOO0	820	1
MN Relay reset cord - 650mm	SB94208OOO0	850	1
MN Relay reset cord - 900mm	SB94209OOO0	875	1
MN Relay reset cord - 1200mm	SB94210OOO0	980	1
RTO Relay reset cord - 400mm	CS90941OOO0	820	1
RTO Relay reset cord - 650mm	CS90942OOO0	850	1
RTO Relay reset cord - 900mm	CS90943OOO0	875	1
RTO Relay reset cord - 1200mm	CS90944OOO0	980	1

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
RTO-1 Relay Separate Mounting Kit	CS96335OOO0	305	1
RTO-2 Relay Separate Mounting Kit	CS96306OOO0	725	1
RTO-3 Relay Separate Mounting Kit	CS96307OOO0	1030	1

Separate Mounting Kit for RTO Relay



Electronic Motor Protection Relay [8536]

Type REO - Electronic Overload Relay

Features

- Protections:
 - Overload
 - Single Phasing, Phase unbalance
 - Locked Rotor
 - Earth Fault in REO 1.1G & REO 4G
- Trip indication
- Selectable Trip class - 10A, 10, 20, 30 as per IEC 60947-4-1
- Conforms IS/IEC 60947-4-1 & IEC 60947-4-1



To Experience the Benefits of REO Electronic Overload Relay



Click or Scan

Model	Type of Mounting	Relay Range (A)	Without earth fault protection		Model	With in-built earth fault protection		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit		Cat. No.	M.R.P. (₹) Per Unit	
REO 1.1	Direct Mounting on MO 9-45	0.15 - 0.75	CS904180OJO	5360	REO 1.1G	CS904230OJO	8940	10
		0.6 - 3	CS904180OQO	5360		CS904230OQO	8940	10
		2.4 - 12	CS904180OLO	5360		CS904230OLO	8940	10
		9 - 45	CS904180OGO	6030		CS904230OGO	9250	10
REO 4	Separate Mounting	18-90	CS904180OUO	15900	REO 4G	CS904230OUO	16400	1
		72-360	CS904180ORO	23300		CS904230ORO	23500	1

New Type REO - Electronic Over Current Relay

Electronic Overcurrent Relay (EOCR) is a type of Electronic relay that has tripping based on Definite mean time characteristics.

The tripping of relay is decided by trip time selected by user.

Features

- Protections:
 - Overload
 - Single Phasing, Phase unbalance
 - Locked Rotor
- Settable start time (5s, 10s, 20s, 40s) and trip time (2s, 4s, 8s, 16s)
- Trip indication
- Conforms IS/IEC 60947-4-1 & IEC 60947-4-1



Accessories for REO - Electronic Overload Relay

Model	Type of Mounting	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
REO 1.1c	Direct Mounting on MO 9-45	0.15 - 0.75	CS919110OJO	7450	1
		0.6 - 3	CS919110OQO	7450	1
		2.4 - 12	CS919110OLO	7450	1
		9 - 45	CS919110OGO	7450	1

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
REO Relay Reset Cord - 400mm	CS904250OOO	820	1
Separate Mounting Kit for REO 1.1/1.1G/1.1c Relay	CS963350OOO	305	1

MPR200nX Electronic Motor Protection Relay



- Protections:
 - Overload
 - Locked Rotor
 - Single Phasing, Current Unbalance, Phase Sequence Reversal
 - Under Current
- Inbuilt CT's (1 A to 88 A)
- Trip indication
- Test facility
- Selectable trip class - 10A, 10, 20 and 30 as per IEC 60947-4-1

Model	Aux. supply	Thermal O/L Range (A)	Device Code	Cat. No.	M.R.P. (₹) Per Unit
MPR200nX	240V AC	1 - 2.75	49, 51LR, 37, 46,	MPR200BE010	3600
		2 - 5.5		MPR201BE020	4200
		4 - 11		MPR202BE040	4800
		8 - 22		MPR203BE080	5400
		16 - 44		MPR204BE160	6000
		32 - 88		MPR205BE320	6600
	110V AC	1 - 2.75		MPR200BB010	3600
		2 - 5.5		MPR201BB020	4200
		4 - 11		MPR202BB040	4800
		8 - 22		MPR203BB080	5400
		16 - 44		MPR204BB160	6000
		32 - 88		MPR205BB320	6600

MPR300 Electronic Motor Protection Relay With in-built Earth Fault Protection



- Protections:
 - Overload
 - Earth Fault
 - Locked Rotor
 - Single Phasing, Current Unbalance, Phase Sequence Reversal
 - Under Current
- Inbuilt CT's (1 A to 88 A)
- Trip indication
- Test facility
- Selectable trip class - 10A, 10, 20 and 30 as per IEC 60947-4-1

Model	Aux. supply	Thermal O/L Range (A)	Device Code	Cat. No.	M.R.P. (₹) Per Unit
MPR300	240V AC	1 - 2.75	49, 51LR, 64, 37, 46,	MPR300BE010	7900
		2 - 5.5		MPR301BE020	8500
		4 - 11		MPR302BE040	9100
		8 - 22		MPR303BE080	9700
		16 - 44		MPR304BE160	10300
		32 - 88		MPR305BE320	10900
	110V AC	1 - 2.75		MPR300BB010	7900
		2 - 5.5		MPR301BB020	8500
		4 - 11		MPR302BB040	9100
		8 - 22		MPR303BB080	9700
		16 - 44		MPR304BB160	10300
		32 - 88		MPR305BB320	10900

Note: MPR200nX / MPR300 must sense Line current in case of Star-Delta Starter.

Electronic Motor Protection Relay [8536]

MPR300 with Fail safe logic

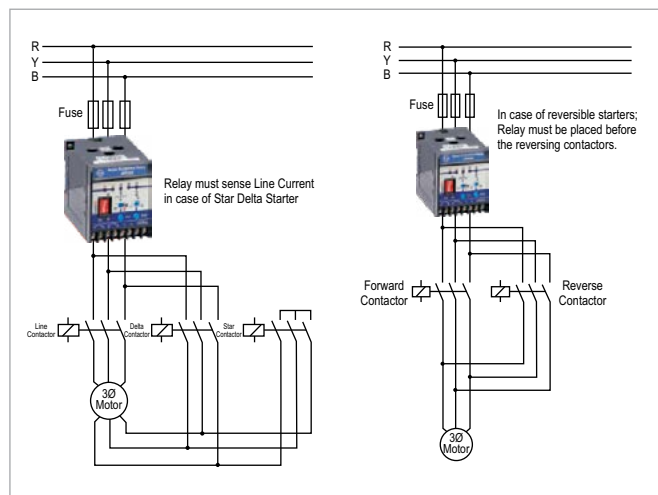
MPR300 with Fail safe logic will trip the Motor in case of Aux. supply failure



Model	Aux. Supply	Thermal Over load range	Device Code	Cat. No.	M.R.P. (₹) Per Unit
MPR300	240 VAC	1 - 2.75	49, 51LR, 64, 37, 46	MPR300BF010	7900
		2 - 5.5		MPR301BF020	8500
		4 - 11		MPR302BF040	9100
		8 - 22		MPR303BF080	9700
		16 - 44		MPR304BF160	10300
		32 - 88		MPR305BF320	10900

Note : MPR300 must sense line current in case of Star-Delta Starter.

MPR200nX / MPR300 Application Diagram



MPR200nX / MPR300 Trip Time Characteristics

Trip class	Trip time delay		
	I = 120% of Im	I = 150% of Im	I = 720% of Im
10A	< 2 hours	< 2 min	2 - 10 secs
10	< 2 hours	< 4 min	4 - 10 secs
20	< 2 hours	< 6 min	6 - 20 secs
30	< 2 hours	< 12 min	9 - 30 secs

Im - Motor Full Load Current

I - Actual current drawn by the Motor

MC2-30M / MC2-30MW

Comprehensive Motor Protection Relay for Medium and Large Sized Induction Motors

- Modbus RTU / IEC870-5-103 Communication Protocol
- MC2-30M offers Current based protections whereas, MC2-30MW offers Current + Voltage based protections



Product	Aux. Supply	CT Secondary	Cat. No.	M.R.P. (₹) Per Unit
**MC2-30M	24 to 110VAC/DC	1 / 5 Ampere Site selectable	MC230MAOOO	140000
	80 to 220VAC/DC		MC230MBOOO	140000
**MC2-30MW	24 to 110VAC/DC		MC230MWAOO	150000
	80 to 220VAC/DC		MC230MWBOO	150000

** MC2-30M & MC2-30MW are long lead items. Contact nearest branch for delivery schedule & technical specs before ordering.

** Available till stock last

Compact Motor Protection Relay - MM10

Features:

- Flush Mounting with display
- Last trip data recording
- Protections:
 - Thermal Overload with pre- alarm
 - Short Circuit
 - Earth fault
 - Phase loss, Unbalance, Phase reversal
 - Under Current
 - Prolong starting, Locked Rotor



Model	Aux. Supply	CT secondary	Device code	Cat. No.	M.R.P. (₹) Per Unit
MM10	110 - 240 V AC / DC	5 Amp	37, 46, 49, 50 / 51, 51LR, 64	MM10240E005	29000



**Your partner in
digital transformation**



iMMR - Intelligent Motor Management Relay

Display Unit



"Besides control, protection and diagnostics, iMMR provides accurate real time data for analytics and insights into the performance of plant and process"



iMMR Main Unit



CT Unit



Intelligent MCC's for enhanced plant efficiency and safety

TI - Motor Control Center

- Modular MCC's designed as per IEC 61439-1 & 2
- Internal arc resistance design of 70kA-500msec.

Customer Interaction Center (CIC)

BSNL / MTNL (toll free): 1800 233 5858 Reliance (toll free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com



iMMR - Intelligent Motor Management Relay [8536]



iMMR is a comprehensive Motor protection, control and monitoring relay for intelligent MCC's

"Besides control, protection and diagnostics, iMMR provides accurate real time data for analytics and insights into the performance of plant and process"

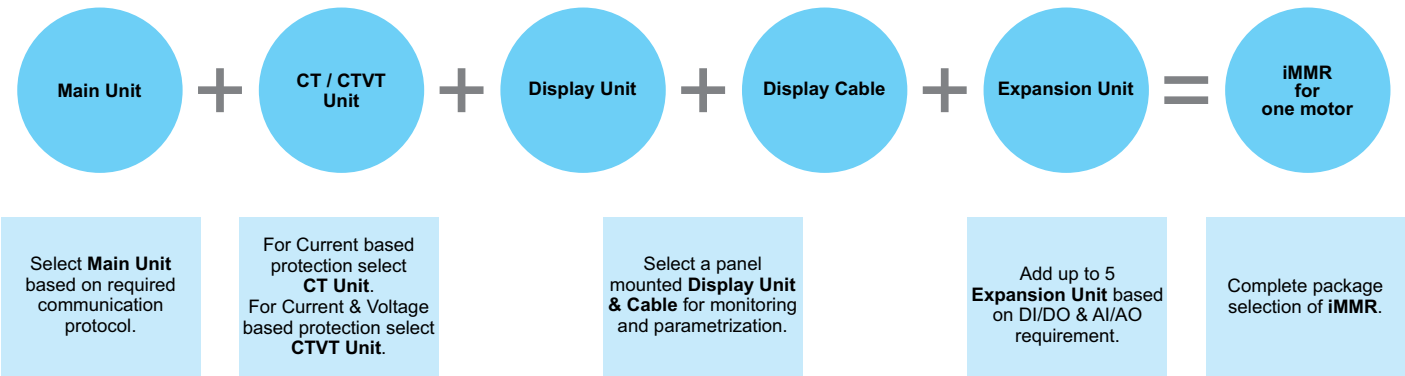
Features

- Comprehensive Current & Voltage based Protections
- 20 nos. of last trip records, 100 event records and 20 IRF Records are available
- Preprogrammed Starter logics reduces manufacturing and commissioning time
- Software iMMR Suite is available for Easy and effective configuration and monitoring
- Modbus RTU, Modbus TCP/IP and Profibus-DP protocols available for seamless integration with DCS/PLC

Product	Description	Cat. No.	M.R.P. (₹) Per Unit
Main Unit	iMMR MODBUS RTU 85-265 VAC/DC	CS912440000	17800
	iMMR PROFIBUS-DP 85-265 VAC/DC	*Available On Request	
	iMMR MODBUS TCP/IP 85-265 VAC/DC	*Available On Request	
CT Unit	CT1 (0.3-3A) with 15 cm cable	CS912450000	4750
	CT2 (2.5-25A) with 15 cm cable	CS912460000	6300
	CT3 (7-70A) with 15 cm cable	CS912470000	10000
CTVT Unit	CT1 (0.3-3A) + VT with 15 cm cable	CS912490000	11000
	CT2 (2.5-25A) + VT with 15 cm cable	CS912500000	13000
	CT3 (7-70A) + VT with 15 cm cable	CS912510000	17000
Display Unit	iMMR Display unit without cable	CS912530000	10000
Display Cable	iMMR Display Cable - 1 meter	XK131280000	1000
	iMMR Display Cable - 2 meter	XK131290000	1500
Expansion Unit	4DI + 2DO with 10 cm cable	*Available On Request	
	Earth Leakage + 2DI + 2DO with 10 cm cable	*Available On Request	
	2AI + 1AO with 10 cm cable	*Available On Request	

* Please contact our nearest branch for details

iMMR selection guide



Modbus RTU communication and Current based protection and metering

Motor Rating	Main Unit - Modbus RTU	CT Unit	Display Unit	Display Cable - 2 meter
<1.1 KW	CS912440000	CS912450000	CS912530000	XK131290000
1.1 KW to 11 KW	CS912440000	CS912460000	CS912530000	XK131290000
11 KW to 37 KW	CS912440000	CS912470000	CS912530000	XK131290000
>37 KW	CS912440000	CS912460000*	CS912530000	XK131290000

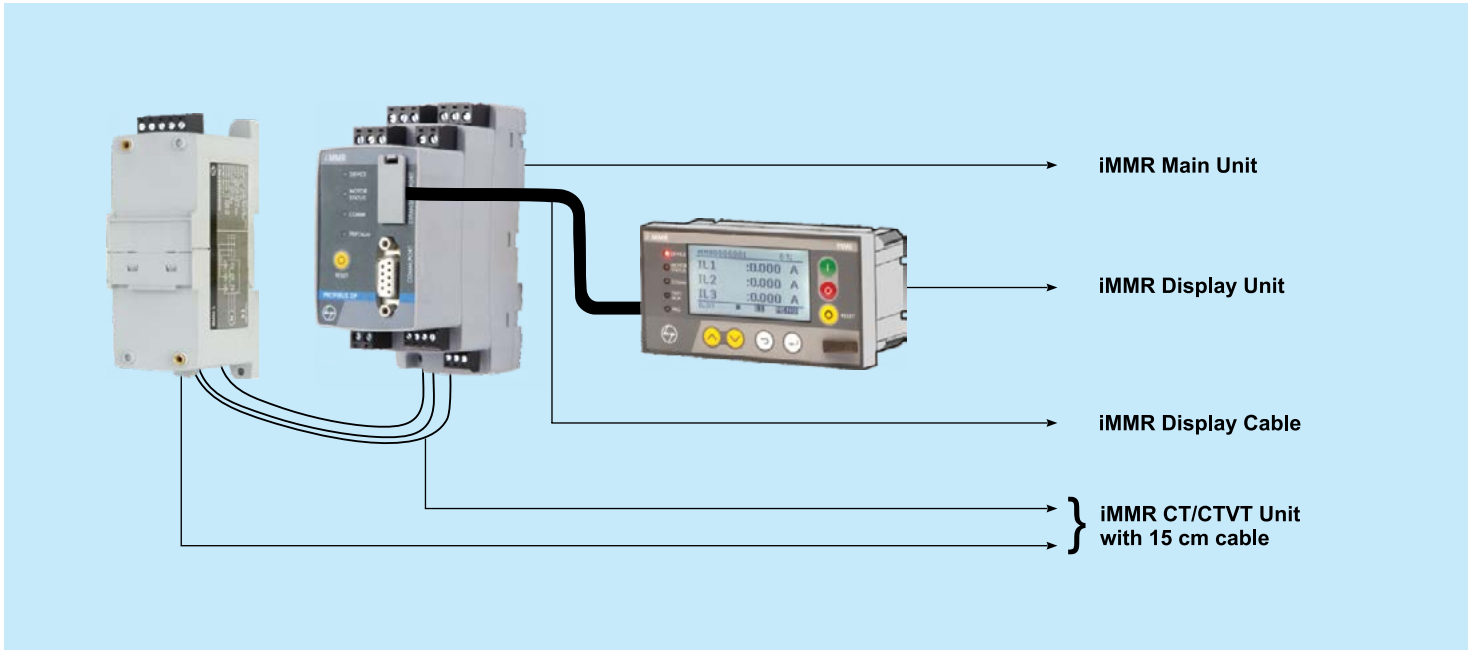
* with External Protection class CT's of -/5Amp

Modbus RTU communication and Current + Voltage based protection and metering

Motor Rating	Main Unit - Modbus RTU	CTVT Unit	Display Unit	Display Cable - 2 meter
<1.1 KW	CS912440000	CS912490000	CS912530000	XK131290000
1.1 KW to 11 KW	CS912440000	CS912500000	CS912530000	XK131290000
11 KW to 37 KW	CS912440000	CS912510000	CS912530000	XK131290000
>37 KW	CS912440000	CS912500000*	CS912530000	XK131290000

* with External Protection class CT's of -/5Amp

Selection guide



Motor Protection Circuit Breakers [8536]

Rocker Type

- MOG-S1: upto 32A
- Short circuit + Overload protection
- Icu=100kA upto 10A, Icu=50kA for 13A & Icu=25kA for 16-32A

Rotary Type

- MOG-H1M: upto 32A
- MOG-H2M: 32A-63A
- Short circuit protection
- Icu=100kA upto 13A & Icu=50kA from 16A-63A

Rotary Type

- MOG-H1: upto 32A
- MOG-H2: 32A-63A
- Short circuit + Overload protection
- Icu=100kA upto 13A & Icu=50kA from 16A-63A

Rocker type and Rotary Type Motor Protection Circuit Breaker conforms to IEC 60947-4-1 & 60947-2

✓Short circuit protection

✓Over current protection

✓Compact

✓High breaking capacity

✓Short circuit protective coordination

✓Reduction in wiring work

✓High switching durability

✓Padlocking feature available even without extended rotary handle

✓Stand alone motor protection

✓Common accessories

MPCB

MPCB
Overload + Short circuit protection

Contactor

No separate OLR - Saves cost of OLR

Motor

Type MOG-S1 (Rocker Type)

With short circuit & overload protection



Rating (A)	Recommended Motor Rating at 415V, 3-Ph, 50Hz (KW)	Thermal Release range (A)	Instantaneous Trip Current (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
0.16	-	0.1 - 0.16	2.1	ST418890000	2870	1
0.25	0.06	0.16 - 0.25	3.3	ST418900000	2870	1
0.40	0.09	0.25 - 0.40	5.2	ST418910000	2870	1
0.63	0.12	0.40 - 0.63	8.2	ST418920000	3260	1
1.00	0.25	0.63 - 1.00	13	ST418930000	3260	1
1.60	0.55	1.00 - 1.60	20.8	ST418940000	3280	1
2.50	0.75	1.60 - 2.50	32.5	ST418950000	3280	1
4.00	1.50	2.50 - 4.00	52	ST418960000	3400	1
6.30	2.20	4.00 - 6.30	81.9	ST418970000	3400	1
10.00	4.00	6.30 - 10.00	130	ST418980000	3630	1
13.00	5.40	9.00 - 13.00	169	ST418990000	4090	1
16.00	7.50	11.00 - 16.00	208	ST419000000	4470	1
20.00	9.00	14.00 - 20.00	260	ST419010000	4700	1
25.00	12.50	19.00 - 25.00	325	ST419020000	4940	1
32.00	15.00	24.00 - 32.00	416	ST419030000	8790	1

Breaking capacity: Icu = 100kA upto 10A, Icu = 50kA for 13A & Icu = 25kA for 16-32A

Note: Extended rotary handle cannot be fitted with MOG - S1

Type MOG-H1 (Rotary Type) - Frame1

With short circuit & overload protection



Rating (A)	Recommended Motor Rating at 415V, 3-Ph, 50Hz (KW)	Thermal Release range (A)	Instantaneous Trip Current	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
0.16	-	0.1 - 0.16	2.1	ST419040000	3650	1
0.25	0.06	0.16 - 0.25	3.3	ST419050000	3650	1
0.40	0.09	0.25 - 0.40	5.2	ST419060000	3650	1
0.63	0.12	0.40 - 0.63	8.2	ST419070000	4080	1
1.00	0.25	0.63 - 1.00	13	ST419080000	4080	1
1.60	0.55	1.00 - 1.60	20.8	ST419090000	4210	1
2.50	0.75	1.60 - 2.50	32.5	ST419100000	4210	1
4.00	1.50	2.50 - 4.00	52	ST419110000	4290	1
6.30	2.20	4.00 - 6.30	81.9	ST419120000	4330	1
10.00	4.00	6.30 - 10.00	130	ST419130000	4610	1
13.00	5.40	9.00 - 13.00	169	ST419140000	5110	1
16.00	7.50	11.00 - 16.00	208	ST419150000	5500	1
20.00	9.00	14.00 - 20.00	260	ST419160000	5930	1
25.00	12.50	19.00 - 25.00	325	ST419170000	6170	1
32.00	15.00	24.00 - 32.00	416	ST419180000	10000	1

Breaking capacity: Icu = 100kA upto 13A & Icu = 50kA from 16A - 32A

Motor Protection Circuit Breakers [8536]

Type MOG-H1M (Rotary Type) - Frame 1

With short circuit protection only



Rating (A)	Recommended Motor Rating at 415V, 3-Ph, 50Hz (KW)	Instantaneous Trip Current	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
0.16	-	2.1	ST4192300000	3280	1
0.25	0.06	3.3	ST4192400000	3280	1
0.40	0.09	5.2	ST4192500000	3280	1
0.63	0.12	8.2	ST4192600000	3710	1
1.00	0.25	13	ST4192700000	3780	1
1.60	0.55	20.8	ST4192800000	3780	1
2.50	0.75	32.5	ST4192900000	3810	1
4.00	1.50	52	ST4193000000	3850	1
6.30	2.20	81.9	ST4193100000	3850	1
10.00	4.00	130	ST4193200000	3970	1
13.00	5.40	169	ST4193300000	4150	1
16.00	7.50	208	ST4193400000	4150	1
20.00	9.00	260	ST4193500000	4360	1
25.00	12.50	325	ST4193600000	4490	1
32.00	15.00	416	ST4193700000	7390	1

Breaking capacity: Icu = 100kA upto 13A & Icu = 50kA from 16A - 32A

Type MOG-H2 (Rotary Type) - Frame 2

With short circuit & overload protection



Rating (A)	Recommended Motor Rating at 415V, 3-Ph, 50Hz (KW)	Thermal Release range (A)	Instantaneous Trip Current	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
32.00	15.00	24.00 - 32.00	416	ST4191900000	12800	1
40.00	20.00	28.00 - 40.00	520	ST4192000000	14100	1
50.00	25.00	35.00 - 50.00	650	ST4192100000	17600	1
63.00	34.00	45.00 - 63.00	819	ST4192200000	17900	1

Breaking capacity: Icu = 50kA from 32A - 63A

Type MOG-H2M (Rotary Type) - Frame 2

With short circuit protection only



Rating (A)	Recommended Motor Rating at 415V, 3-Ph, 50Hz (KW)	Instantaneous Trip Current	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
32.00	15.00	416	ST4193800000	12300	1
40.00	20.00	520	ST4193900000	12400	1
50.00	25.00	650	ST4194000000	12700	1
63.00	34.00	819	ST4194100000	13000	1

Breaking capacity: Icu = 50kA from 32A - 63A

Accessories for MOG [8538]



Short Circuit Alarm



Auxiliary + Alarm



Extended Rotary Handle



Shunt Trip

Mounting Position *	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
F1/F2	Auxiliary Contact Front mtg. 1NO	ST4194200000	565	10
F1/F2	Auxiliary Contact Front mtg. 1NC	ST4194300000	565	10
L	Auxiliary Contact Left side mtg. 2NO	ST4194400000	780	1
L	Auxiliary Contact Left side mtg. 1NO + 1NC	ST4194500000	780	1
L	Auxiliary Contact Left side mtg. 2NC	ST4194600000	780	1
F2	Trip Alarm Contact Front mtg. 1NO	ST4194700000	1010	10
F2	Trip Alarm Contact Front mtg. 1NC	ST4194800000	1010	10
L	Auxiliary + Alarm Left side mtg. 2NO	ST4194900000	1070	1
L	Short circuit alarm Left side mtg. 1NO + 1NC	ST4195000000	1070	1
R	Shunt trip 24V DC	ST4195100000	2060	1
R	Shunt trip 110V, 50Hz	ST4195200000	2170	1
R	Shunt trip 230V, 50Hz	ST4295200000	2170	1
R	Under Voltage release, 110V, 50Hz	ST4195300000	2170	1
R	Under Voltage release, 415V, 50Hz	ST4195400000	2170	1
-	External operating handle, (Black) Frame 1	ST4195500000	1250	1
-	External operating handle, (Black) Frame 2	ST4195600000	1250	1

* F1- Front left slot F2- Front right slot L- Left side R- Right side



MPCBs with bus bar connection



Connecting Busbar link



3 Phase Feed in terminal

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Connecting Busbar link			
2 MPCB 45 mm width w/o acc	ST4195700000	655	5
3 MPCB 45 mm width w/o acc	ST4195800000	720	5
4 MPCB 45 mm width w/o acc	ST4195900000	775	5
5 MPCB 45 mm width w/o acc	ST4196000000	990	5
2 MPCB 45 mm width with one acc 9 mm	ST4196100000	765	5
3 MPCB 45 mm width with one acc 9 mm	ST4196200000	825	5
4 MPCB 45 mm width with one acc 9 mm	ST4196300000	890	5
5 MPCB 45 mm width with one acc 9 mm	ST4196400000	950	5
2 MPCB 55 mm width w/o acc	ST4196600000	1190	1
3 MPCB 55 mm width w/o acc	ST4196700000	1360	1
4 MPCB 55 mm width w/o acc	ST4196800000	1630	1
2 MPCB 55 mm width with one acc 9 mm	ST4196900000	1300	1
3 MPCB 55 mm width with one acc 9 mm	ST4197000000	1470	1
4 MPCB 55 mm width with one acc 9 mm	ST4197100000	1740	1
2 MPCB 55 mm width with two acc 18 mm	ST4197200000	1520	1
4 MPCB 55 mm width with two acc 18 mm	ST4197300000	1690	1
Feed in terminal for 45 mm width Busbar	ST4196500000	765	1
Feed in terminal for 55 mm width Busbar	ST4197400000	1320	1
Bus bar safety cover 45 mm width Busbar	ST4197500000	330	10
Bus bar safety cover 55 mm width Busbar	ST4197600000	355	10

acc: Accessories

Motor Starters [8536]

Direct-on-Line Starters

in Sheet-Steel Enclosure Type MN / ML
(Motor Rating AC-3 Duty, 415V, 50Hz, 3-Ph)



MN 16



MN 45



ML 3

Max. Motor Output at 415V, 3-Ph		Relay Max. Range (A)	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
HP	kW					
10.0	7.5	9 - 15	MN 16 DOL	SS94351	4940	1
15.0	11.0	14 - 23	MN 25 DOL	SS94352	7540	1
20.0	15.0	20 - 33	MN 32 DOL	SS94353	12200	1
30.0	22.5	30 - 50	MN 45 DOL	SS94017	20800	1
45.0	33.5	45 - 75	MN 65 DOL	SS94018	28500	1
30.0	22.5	28 - 42	ML 3 DOL	SS90722	25600	1

Spares for MN Starters [8538]

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Bracket for Mounting cont. MNX 25 - 32	SS940300000	155	20
MN DOL/FASD Push Button	SS939410000	265	10

Fully Automatic Star-Delta Starters [8536]



MN 16F

in Sheet-Steel Enclosure Type MN / ML
(Motor Rating AC-3 Duty, 415V, 50Hz, 3-Ph)

Max. Motor Output at 415V, 3-Ph		Relay Max. Range (A)	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
HP	kW					
17.5	13.0	9 - 15	MN 16 FASD	SS94362	16600	1
30.0	22.5	14 - 23	MN 25 FASD	SS94364	18600	1
40.0	30.0	20 - 33	MN 32 FASD	SS94366	30600	1
50.0	37.5	30 - 50	MN 45 FASD	SS94021	49100	1
75.0	55.0	45 - 75	MN 65 FASD	SS94022	81400	1
90.0	67.5	45 - 75	MN 80 FASD	SS94705	88900	1
150.0	110.0	66 - 110	MN 110 FASD	SS94706	116400	1
180.0	132.0	90 - 150	MN 140 FASD	SS94707	121900	1
50.0	37.5	28 - 42	ML3 FASD	SS90730	61700	1
75.0	55.0	45 - 75	ML4 FASD	SS90913	105700	1
125.0	90.0	66 - 110	ML6 FASD	SS90923	173300	1

Timers

Electronic Timers Type ST 100 [9107]



ST 100

Description	Cat. No.	M.R.P. (₹) Per Unit	Std Pkg. (Nos.)
240 / 360 / 415V, 50Hz for			
3 - 30 secs.	ST803280000	1960	1
12 - 120 secs.	ST803290000	1960	1

Note: ST 100 supplied with Mounting Kit, suitable for ET 100 replacement.
For Complete range of Timing Devices, please refer the Panel Accessories Price List.

Ordering Suffix for ML & MN Starters

Coil Voltages	Relay Range (A)	
	ML	MN
B - 240 V	A : 9 - 14	B : 9 - 15
C - 360 V	B : 10 - 16	D : 14 - 23
D - 415 V	C : 13 - 21	E : 20 - 33
P - 440 V	E : 20 - 32	G : 30 - 50
	F : 28 - 42	J : 45 - 75
	G : 30 - 50	K : 66 - 110
	J : 45 - 75	Q : 2 - 3.3
	K : 66 - 110	S : 3 - 5
	M : 90 - 150	T : 36 - 60
	P : 135 - 225	U : 4.5 - 7.5
	Q : 180 - 310	V : 6 - 10
	R : 2.5 - 4	M : 90 - 150
	T : 13 - 21	



Selection as per Type 2 Co-ordination

All our type 2 charts are available on **Knowledge Portal & ProductWhiz.**



Access E&A's Knowledge Portal from
www.Intebg.com/KP



L&T Electrical & Automation,
ESP BizWhiz and ProductWhiz from
Google Play Store/App Store

Following combination of Type 2 Charts available

Fuse Based Charts		Fuseless Charts			
IE2/IE3	IE2/IE3	IE2	IE2	IE3	IE3
DOL	SD	DOL	SD	DOL	SD
FN	FN	MPCB/MCCB	MPCB/MCCB	MPCB/MCCB	MPCB/MCCB
MNX/MO	MNX/MO	MNX/MO	MNX/MO	MNX/MO	MNX/MO

Charts available at Iq of

- 50kA
- 65kA
- 80kA
- 100kA

MCCB charts are available with
Microprocessor Releases too



DIGITAL SINGLE PHASE CONTROLLER

The power of flexibility and versatility



Basic version

FEATURES

Auto version

Microcontroller Based Solution	• All features of Basic Version
Dry Run Protection	• Inbuilt Water Level Controller
UV/OV Protection	• Water tank status indication
Current, Voltage Metering	• WLC bypass feature
& Periodic Display	• Auto start capacitor switching
Start & Run Capacitor	• Power on delay
Bypass Mode (For bore cleaning)	• Dry run auto reset timer
Off Timer	• Auto & Manual mode
Digital Display	• RTC based daily ON/OFF timer
Capacitor cut-off	• Timer count down display
Water Tank Status Indication	• Cyclic timer
Automatic Current Setting	• Timer Compensation

• Refer Agricultural Electrical Product Pricelist for Agricultural Electrical Product Range



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Digital Enabled Smart Agriculture



- ★ **Digital Products for effective monitoring & remote operation**
- ★ **Agri products for all seasons and all crops**
- ★ **Complete protection from all faults**
- ★ **Maintenance free product life**

• Refer Agricultural Electrical Product Pricelist for Agricultural Electrical Product Range





Complete your panel with our panel accessories



**Rotary Switches &
Cable Ducts**



**Timing Devices &
Supply Monitors**



**Modular Remote
Control Units**



**Digital Panel
Meters**

For Cam operated Rotary switches, Cable ducts, Load break switches, Timers, Time switches, Supply monitors, Ø22.5 mm range of Modular remote control & Indicating units please refer Panel Accessories Price List.

For Digital Panel Meter details please refer Pg.76

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Enclosed Automatic Transfer Switch

Automatic Solution | Pre-wired | Flexible Settings



Switch to **ATS**

Now, experience seamless transfer between two power sources...



Convenience

- Ample Space for Cable Termination
- Ease of Generator Control(ON-OFF, Cooling Cycle Self-Test)
- Cyclic Event Logger: Logs 100 Events



Performance

- Wide range: 125A to 630A, 415V ac.
- Double-Break Contact System offering High Short-time Withstand (Icw)
- High Mechanical and Electrical Life: Double than requirement of IS/IEC standard
- Suitable for Aluminum Termination



Flexibility

- Priority Source Selection
- Adjustable Time Delay(0.1sec to 3 hours)
- Suitable for 3-Phase as well as 1-Phase Sources



Safety

- Protections: UV/OV, Phase Sequence, Single Phasing, Frequency
- Authorized Access Control through Password Protection
- Terminal Shrouds, Phase Barriers & Source Separator

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Enclosed ATS, Frame 2, 125A	125A	CK90161BSOO	80200	1
Enclosed ATS, Frame 2, 160A	160A	CK90162BSOO	88500	1
Enclosed ATS, Frame 2, 200A	200A	CK90163BSOO	95900	1
Enclosed ATS, Frame 3, 250A	250A	CK90164BSOO	109600	1
Enclosed ATS, Frame 3, 315A	315A	CK90165BSOO	117200	1
Enclosed ATS, Frame 4, 400A	400A	CK90166BSOO	129900	1
Enclosed ATS, Frame 4, 630A	630A	CK90167BSOO	157800	1

Chapter ID [8537]

For AuXC 2000 programming videos and more details please scan the QR code or click here



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On Load Changeover Switch - Disconnectors [8536]

Changeover Switch-Disconnecter (Conforms to IEC 60947-3 , IS/IEC 60947-3)

Features offered by Manual Changeover

- Range 63A to 2000A, 415V, AC 23A, 4P
- Enclosure version does not require separate cable gland box
- Terminal Shrouds, Source Separator and Phase Barriers included
- Staggered Terminals make cable termination easy
- Suitable for horizontal as well as vertical mounting



Open execution



SS enclosure



Motorised Changeover



Manual CO with fuse mounting kit*

Features offered by Motorised Changeover

- Range 40 A to 2000A, 415V, AC 23A, 4P (Control Voltage 240 Vac)
- No change in HxWxD dimension of motorised and manual changeover switch
- Padlocking in OFF position
- Option for selection between manual and auto mode

Size	Rated Current (A)	Inbuilt 2 C/O Auxiliary Contact across the range			Manual Changeover Open Execution		Manual Changeover In Sheet Steel Enclosure#		Motorised Changeover Open Execution		Std. Pkg. (Nos.)
		Type	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	40	CO1-40	-	-	-	-	CK90944B000	24300	1		
	63	CO1-63	CO106300000	5390	CO10630S00	8320	CK90945B000	25800	1		
	63	CO1-63	CO10630000D ▲	5300							
	100	CO1-100	CO110000000	7140	CO11000S00	10500	CK90946B000	31500	1		
	100	CO1-100	CO11000000D ▲	6880							
Fr 2	125	CO1-125	CO112500000	9290	CO11250S00	13400	CK90947B000	33500	1		
	125	CO2-125	CO212500000	11100	CO21250S00	15900	CK90161B000	40900	1		
	160	CO2-160	CO216000000	12100	CO21600S00	17300	CK90162B000	50000	1		
Fr 3	200	CO2-200	CO22000000A	14700	CO22000S00	19900	CK90163B000	54500	1		
	250	CO3-250	CO325000000	20600	CO32500S00	27000	CK90164B000	67200	1		
Fr 4	315	CO3-315	CO331500000	21600	CO33150S00	28400	CK90165B000	70300	1		
	400	CO4-400	CO440000000	31800	CO44000S00	41400	CK90166B000	83100	1		
Fr 5	630	CO4-630	CO463000000	37100	CO46300S00	48000	CK90167B000	99200	1		
	630	CO5-630 ^α	CO563000000 ^α	44100	-	-	CK90168B000	106700	1		
	800	CO5-800	CO580000000	52900	CO58000S00	77700	CK90169B000	142700	1		
Fr 6	1000	CO5-1000	CO510000000	94400	CO51000S00	125800	CK90170B000	187100	1		
	1250	CO6-1250	CO612500000	126600	-	-	CK90081B000	231200	1		
	1600	CO6-1600	CO616000000	149700	-	-	CK90082B000	283800	1		
	2000	CO6-2000	CO620000000	230300	-	-	CK90083B000	338500	1		

▲ Direct handle version # Sheet Steel Enclosure version is with CO with extended handle * Fuse mounting kit to be purchased separately. Refer below table
^α Fuse mounting kit CX56300000D is suitable for mounting on CO5-630 Changeover Switch

Spares & Accessories for Changeover S-D [8538]



Auxiliary Contact



Operating Handle (63A to 200A)



Flip-able Handle (250A to 2000A)



Castell Type Lock

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact Kit (2 sets of C/O contact)	CO1-(63-125A)	CX100020000	470	1
	CO2-(125-200A)	CX200020000	890	1
	CO3-(250-315A)	CX300020000	1270	1
	CO4-(400-630A)	CX400020000	1350	1
	CO5-(630-1000A)	CX500020000	1530	1
	CO6-(1250-2000A)	CX600020000	1700	1
Operating Handle Kit (handle + shaft + center bush + bush clip)	CO1-(63-125A)	CX100010000	780	1
	CO2-(125-200A)	CX300010000	1590	1
	CO3-(250-315A)	CK903920000	1690	1
	CO4-(400-630A)	CX400010000	1730	1
	CO5-(630-1000A)	CX500010000	1860	1
Operating Handle	CO6-(1250-2000A)	CX600010000	2110	1
Castell Type Lock ^{\$}	CO-(125-1000A)	CX400040000	2790	1
	CO6-(1250-2000A)	CX600040000	2790	1
Output shorting link	CO1-(63-125A) Top Side	CX10005000T	820	1
	CO1-(63-125A) Bottom Side	CX10005000B	820	1
Operating Handle for Motorised Changeover	C/O Frame 2 & 3 (125-315A)	CK903740000	1480	1
	C/O Frame 4 & 5 (400-1000A)	CK903780000	1860	1
	C/O Frame 6 (1250-2000A)	CK906450000	4620	1

^{\$} Chapter ID [8301]

Automatic Transfer Controllers (ATC) for Motorised Changeover [8538]



AST Controller with wire harness



AuXC-2000 Controller with wire harness



Illuminated Push Button assembly

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Automatic Transfer Controllers	AST Controller with wire harness	CK901920000	19800	1
	AuXC - 2000 Controller** with wire harness	AuXC - 2000 ^β ATC200000000	31600	1
		CK900990000	4040	1
Control Accessories	Illuminated Push Button assembly with Wire harness	CK901950000	4030	1

^β Chapter ID [9032]

** Note: For communication version of AuXC controller refer page no-6

Fuse Mounting Kit [8538]



Description	Suitable fuse-link	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fuse Mounting Kit	HF 14x51	CO1-63	CX106300OCO	2500	1
	HN Size 000	CO2-125	CX212500ODO	4880	1
	HN Size 00	CO2-160	CX216000ODO	6930	1
	HN Size 1	CO3-250	CX325000ODO	9480	1
	HN Size 1	CO3-315	CX331500ODO	9920	1
	HN Size 2	CO4-400	CX440000ODO	14200	1
	HN Size 3	CO5-630	CX563000ODO	28700	1
	HN Size 3	CO5-800	CX580000ODO	32600	1





New CZ Bypass Switches

125A to 630A

Bypass Switches are meant for special application and help to maintain continuity of power supply to the load by simply 'bypassing' UPS or Servo stabilizer. Removal of the UPS or Servo, for maintenance or repair is safe, as it is isolated from both input and output sides in the 'bypass' mode.



Time-Saving Convenient solution

No hassle of operating multiple devices for safe and positive isolation on both sides of Servo/UPS



Suitable for Aluminum Termination

Entire range is suitable for Aluminum cable/link termination as per the size prescribed by the standards



Mounting flexibility

Suitable for mounting in horizontal as well as vertical orientation. Also, the shaft is 'cut-able' and can be adjusted to suit different panel depth requirements.



Phase Barriers

Easy to fit and long phase barriers for complete isolation between phases



Safety interlock and padlocking

Door interlock is provided in ON position with defeat feature. Also, Bypass Switch can be padlocked in OFF position; upto 3 padlocks can be fitted



Finger proof protection (IP30)

Terminal Shrouds provide protection against accidental contact with live terminals. As it is swivellable, there is no need to remove during termination/inspection

4P, Open Execution with extended handle

Frame	Rating 440Vac, AC 23A	Cat No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CZ1	125A	CK908130000	17200	1
CZ1	160A	CK908140000	19400	1
CZ1	200A	CK908150000	20500	1
CZ1	250A	CK908160000	29200	1
CZ1	315A	CK908170000	33300	1
CZ2	315A	CK908750000	36800	1
CZ2	400A	CK908760000	44900	1
CZ2	630A	CK908770000	53500	1

Accessories for CZ Bypass switch

Frame	Description	Cat No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CZ1/ CZ2	Auxiliary Contact Kit* (1 C/O contact)	CK908050000	510	1

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* Upto 2 C/O contacts can be installed for status /indication

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Multiple Applications, One Solution

New

CZ Switch Disconnectors



- ▶ Compact 2P, 3P & 4P configurations
- ▶ **1250Vac** Insulation Voltage
- ▶ **AC-23A** @ 690Vac without derating
- ▶ Suitable for 50°C ambient temperature
- ▶ **Direct termination** without the need of any extended links
- ▶ Extra assurance with visible contact system
- ▶ High electrical and mechanical life (double than requirement in IS/IEC standards)
- ▶ Terminal shrouds and phase barriers are provided as standard offering along with the product
- ▶ Higher ground clearance ensure safety at all times

Tc p q m l q 8 4 7 . T - 6 . . T _ a z / . . . T b a z / 3 . . T b a

Typical Applications



Switching of feeders in power distribution network



Switching of Machinery/Motors



VFD panels for switching and isolation of VFD (AC as well DC)



Isolation in String Inverter as well as Central Inverter Solar Systems



Battery Charging

4P AC Switch Disconnector					
Frame	Rating 690V, AC 23A	Handle Type	CAT No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CZ1	125A	Extended	CK9076900000	7400	1
CZ1	160A	Extended	CK9077000000	9350	1
CZ1	200A	Extended	CK9077100000	10890	1
CZ1	250A	Extended	CK9077200000	12840	1
CZ1	315A	Extended	CK9077300000	13600	1
CZ2	315A	Extended	CK9085700000	15090	1
CZ2	400A	Extended	CK9085800000	19310	1
CZ2	630A	Extended	CK9085900000	24200	1
CZ1	125A	Direct	CK9079900000	7100	1
CZ1	160A	Direct	CK9080000000	8930	1
CZ1	200A	Direct	CK9080100000	10350	1
CZ1	250A	Direct	CK9080200000	12200	1
CZ1	315A	Direct	CK9080300000	12920	1
CZ2	315A	Direct	CK9087200000	14340	1
CZ2	400A	Direct	CK9087300000	18340	1
CZ2	630A	Direct	CK9087400000	22990	1

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4P AC Switch Disconnector in SS enclosure (with extended handle)				
Frame	Rating 690V, AC 23A	CAT No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CZ1	125A	CK9081900000	13320	1
CZ1	160A	CK9082000000	15430	1
CZ1	200A	CK9082100000	17420	1
CZ1	250A	CK9082200000	19900	1
CZ1	315A	CK9082300000	21080	1
CZ2	315A	CK9087800000	24900	1
CZ2	400A	CK9087900000	29160	1
CZ2	630A	CK9088000000	34120	1

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Accessories for CZ Switch Disconnector				
Frame	Description	CAT No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CZ1/CZ2	Auxiliary Contact Kit (1 C/O contact)	CK9080500000	510	1

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Notes:

- 2P and 3P versions are also available. Please contact our nearest branch office for further details
- Separate versions suitable for DC applications (1000Vdc and 1500Vdc) also available. Please contact our nearest branch office for further details
- Please refer next page for details on offerings for Solar applications



Dawn of a New Era...

New

CZ Switch Disconnectors

- Designed for tough conditions at **solar sites**
- Separate versions for **800Vac** string inverter systems and upto **1500Vdc** for central inverter systems
- Suitable for Aluminum termination of double the size recommended by IEC standards
- **1250Vac** Rated Insulation Voltage
- **Direct termination** without the need of any extended links
- Terminal shrouds and phase barriers are provided as standard offering along with the product



AC SD

- ▶ Operational Voltage upto 800Vac

800Vac, 3P Switch Disconnectors

Frame	Rating	Handle Type	Cat. No.	M.R.P. (₹) Per Unit
CZ1	125A	Direct	CK9075700000	*
CZ1	160A	Direct	CK9075800000	*
CZ1	200A	Direct	CK9075900000	*
CZ1	250A	Direct	CK9076000000	*
CZ1	315A	Direct	CK9076100000	*
CZ2	315A	Direct	CK9085100000	*
CZ2	400A	Direct	CK9085200000	*
CZ2	630A	Direct	CK9085300000	*
CZ1	125A	Extended	CK9076300000	*
CZ1	160A	Extended	CK9076400000	*
CZ1	200A	Extended	CK9076500000	*
CZ1	250A	Extended	CK9076600000	*
CZ1	315A	Extended	CK9076700000	*
CZ2	315A	Extended	CK9085400000	*
CZ2	400A	Extended	CK9085500000	*
CZ2	630A	Extended	CK9085600000	*

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DC SD

- ▶ Operational Voltage 1000Vdc & 1500Vdc

DC Switch Disconnectors

Frame	Rating	Voltage	No. of Poles	Handle Type	Cat. No.	M.R.P. (₹) Per Unit
CZ1	125A	1000Vdc	2	Direct	CK9079300000	*
CZ1	160A	1000Vdc	2	Direct	CK9079400000	*
CZ1	200A	1000Vdc	2	Direct	CK9079500000	*
CZ1	250A	1000Vdc	2	Direct	CK9079600000	*
CZ1	315A	1000Vdc	2	Direct	CK9079700000	*
CZ2	315A	1000Vdc	2	Direct	CK9086900000	*
CZ2	400A	1000Vdc	2	Direct	CK9087000000	*
CZ2	630A	1000Vdc	2	Direct	CK9087100000	*
CZ1	125A	1500Vdc	2	Direct	CK9078700000	*
CZ1	160A	1500Vdc	2	Direct	CK9078800000	*
CZ1	200A	1500Vdc	2	Direct	CK9078900000	*
CZ1	250A	1500Vdc	2	Direct	CK9079000000	*
CZ1	315A	1500Vdc	2	Direct	CK9079100000	*
CZ2	315A	1500Vdc	3	Direct	CK9086600000	*
CZ2	400A	1500Vdc	3	Direct	CK9086700000	*
CZ2	630A	1500Vdc	3	Direct	CK9086800000	*

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*Available on Request

Type TPN S-D-F suitable for DIN fuse-link (TPN & FP) in open execution

Features offered by FN S-D-F

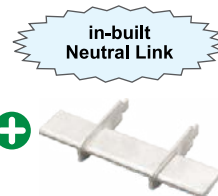
- Range 32A to 800A, 415V, AC 23A
- Conforms to IEC 60947-3, IS/IEC 60947-3
- Terminal Shrouds on both sides and Phase Barriers included
- Telescopic shaft for depth adjustment
- TPN SDF has isolable neutral
- 4P SDF has Switched Neutral Pole and is 100% rated
- Door interlock & padlock facility



FN - TPN S-D-F
(Open Execution)



FN - 4P S-D-F
(Open Execution)



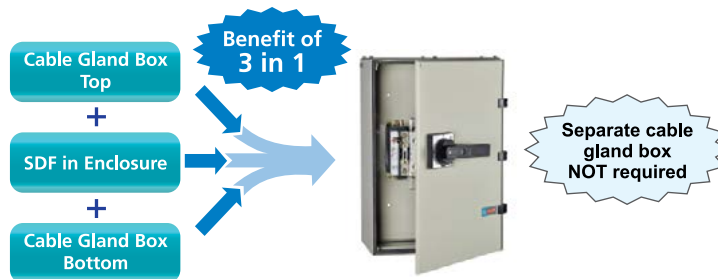
Size	Rated Current (A)	Suitable HRC fuse-link		Open Execution Type FN (TPN) S-D-F suitable for DIN fuse-link			Std. Pkg. (Nos.)	Open Execution Type FN S-D-F suitable for DIN fuse-link (4P)			Std. Pkg. (Nos.)
		Type	Range (A)	Type	Cat. No.	M.R.P. (₹) Per Unit		Type	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	32	HF Size 14x51	2 to 32	FN 32 TPN / FP	SK95518	2810	1	FN 32 TPN/FP	SK95518	2810	1
	32	HF Size 14x51	2 to 32	FN 32 TPN / FP CE*	SK95703*	2460	1	FN 32 TPN/FP CE*	SK95703*	2460	1
	63	HF Size 14x51	2 to 63	FN 63 TPN / FP	SK95421	3730	1	FN 63 TPN/FP	SK95421	3730	1
	63	HF Size 14x51	2 to 63	FN 63 TPN / FP CE*	SK95704*	3330	1	FN 63 TPN/FP CE*	SK95704*	3330	1
Fr 2	100	HN Size 000/00	63 to 100	FN 100 TPN	SK95568	7070	1	FN 100 FP	SK90496	8040	1
	125	HN Size 000/00	63 to 125	FN 125 TPN	SK95001	9160	1	FN 125 FP	SK90497	10000	1
	160	HN Size 000/00	63 to 160	FN 160 TPN	SK95713	9860	1	FN 160 FP	SK90498	11200	1
Fr 3	200	HN Size 0	80 to 200	FN 200 TPN	SK95418	13300	1	FN 200 FP	SK90471	16000	1
	250	HN Size 1	125 to 250	FN 250 TPN	SK95642	15200	1	FN 250 FP	SK90472	18300	1
Fr 4	315	HN Size 1	125 to 315	FN 315 TPN	SK95461	18200	1	FN 315 FP	SK90473	22200	1
	400	HN Size 2	200 to 400	FN 400 TPN	SK95481	22000	1	FN 400 FP	SK90480	24500	1
Fr 5	630	HN Size 3	315 to 630	FN 630 TPN	SK95521	36800	1	FN 630 FP	SK90481	41300	1
	800	HN Size 3	315 to 800	FN 800 TPN	SK95679	39600	1	FN 800 FP	SK90482	46500	1

* 'CE' handle has door interlock facility without defeat feature

FN- TPN S-D-F in SS Enclosure

Features offered by FN S-D-F in SS Enclosure:

- Range 32A to 800A, 415V, AC 23A
- Spacious Sheet Steel Enclosure
- Separate cable gland box not required
- Terminal Shrouds on both sides and Phase Barriers included
- Conforms to IEC 60947-3, IS/IEC 60947-3
- Suitable for Cylindrical/DIN fuse-link
- Door interlock & padlock facility



FN - TPN S-D-F in SS Enclosure

Size	Rated Current (A)	Suitable HRC fuse-link		In Sheet Steel Enclosure Type FN (TPN) S-D-F suitable for DIN fuse-link			Std. Pkg. (Nos.)
		Type	Range (A)	Type	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	32	HF Size 14x51	2 to 32	FN 32 TPN / FP CE*	SK90483*	6480	1
	63	HF Size 14x51	2 to 63	FN 63 TPN / FP CE*	SK90484*	7740	1
Fr 2	100	HN Size 000/00	63 to 100	FN 100 TPN	SK90485	12700	1
	125	HN Size 000/00	63 to 125	FN 125 TPN	SK90486	14400	1
	160	HN Size 000/00	63 to 160	FN 160 TPN	SK90487	15100	1
Fr 3	200	HN Size 0	80 to 200	FN 200 TPN	SK90488	21600	1
	250	HN Size 1	125 to 250	FN 250 TPN	SK90489	23800	1
Fr 4	315	HN Size 1	125 to 315	FN 315 TPN	SK90490	27500	1
	400	HN Size 2	200 to 400	FN 400 TPN	SK90491	30900	1
Fr 5	630	HN Size 3	315 to 630	FN 630 TPN	SK90492	48000	1
	800	HN Size 3	315 to 800	FN 800 TPN	SK90493	51000	1

* 'CE' handle has door interlock facility without defeat feature

Notes:

- 1) Type FN S-D-F range (Bolted fuse-link) suitable for harsh environment is also available. Please contact nearest branch office for further details
- 2) For 690V AC application, please contact nearest branch office
- 3) The prices for S-D-F range are without HRC fuses
- 4) The SDF units in SS enclosure version can be replaced with FN TPN SDF open execution units. Please refer point 5 for replacement of 250A unit
- 5) For replacement of FN 250 SDF unit in sheet steel enclosure version (Cat. No. SK904890000 & SK956810000), order Cat. No. ST978950000
- 6) Please refer Pg. 34 for Switch-Disconnectors
- 7) Add suffix "0000" to all cat nos.



Type FN S-D-F suitable for DIN fuse-link (2P) in open execution

Also for 220Vdc & 240Vac application

Features offered by FN S-D-F

- Range 32A to 630A, 415V, **AC 23A**
- Conforms to IEC 60947-3, IS/IEC 60947-3
- **Terminal Shrouds on both sides and Phase Barriers included**
- **Telescopic shaft for depth adjustment**
- Door interlock & padlock facility



FN 2P S-D-F

Size	Rated Current (A)	Suitable fuse-link type	Type FN (2P) S-D-F suitable for DIN fuse-link			Std. Pkg (Nos.)
			Open Execution			
			Type	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	32	HF Size 14x51	FN 32 2P	SK95594	2210	1
	63	HF Size 14x51	FN 63 2P	SK95595	3070	1
Fr 2	100	HN Size 000/00	FN 100 2P	ST35086	5410	1
	125	HN Size 000/00	FN 125 2P	ST35087	7730	1
	160	HN Size 000/00	FN 160 2P	ST35088	8060	1
Fr 3	200	HN Size 0	FN 200 2P	ST35089	10200	1
	250	HN Size 1	FN 250 2P	ST31674	12200	1
Fr 4	315	HN Size 1	FN 315 2P	ST38930	15100	1
	400	HN Size 2	FN 400 2P	ST31676	17000	1
Fr 5	630	HN Size 3	FN 630 2P	ST35090	28500	1

*Add suffix "OOOO" to all cat nos.

Type FN S-D-F suitable for BS fuse-link (TPN) in open execution

For BOLTED fuse-link

Features offered by FN S-D-F

- Range 32A to 630A, 415V, **AC 23A**
- Conforms to IEC 60947-3, IS/IEC 60947-3
- **Terminal Shrouds on both sides and Phase Barriers included**
- **Telescopic shaft for depth adjustment**
- Door interlock & padlock facility



FN - TPN S-D-F

Size	Rated Current (A)	Suitable fuse-link type	Type FN (TPN) S-D-F suitable for BOLTED fuse-link			Std. Pkg (Nos.)
			Open Execution			
			Type	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	32	A1L	FN 32 TPN	SK95653	2620	1
	63	A1L	FN 63 TPN	SK95651	3530	1
Fr 2	100	A4	FN 100 TPN	SK95570	6930	1
	125	A4	FN 125 TPN	SK95009	8840	1
	160	A4	FN 160 TPN	SK95714	9620	1
Fr 3	200	B1 / B2	FN 200 TPN	SK95588	13100	1
	250	B2 / B3	FN 250 TPN	SK95682	15100	1
Fr 4	315	B3	FN 315 TPN	SK95590	18100	1
	400	B4	FN 400 TPN	SK95591	21700	1
Fr 5	630	C2	FN 630 TPN	SK95592	36600	1

Type FNX S-D-F suitable for DIN fuse-link in open execution

Features offered by FNX S-D-F

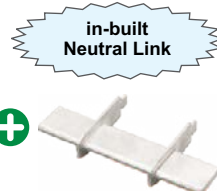
- Range 32A to 800A, 415V, **AC 23A**
- TPN and 4P version
- Suitable for Cylindrical / DIN fuse-link
- Telescopic shaft for depth adjustment
- DIN rail mounting up to 100A
- Conforms to IEC 60947-3, IS/IEC 60947-3
- Door interlock & padlock facility
- FNX 4-Pole with in-built Neutral Link



FNX TPN S-D-F



FNX 4P S-D-F



Size	Rated Current (A)	Suitable fuse-link type	Range (A)	Open Execution Type FNX (TPN) S-D-F suitable for DIN fuse-link				Open Execution Type FNX (4P) S-D-F suitable for DIN fuse-link				Std. Pkg. (Nos.)
				Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)	
Fr 1	32	HF Size 14x51	2 to 32	FNX 32 TPN / FP	SK96903	*	1	FNX 32 TPN / FP	SK96903	*	1	1
	63	HF Size 14x51	2 to 63	FNX 63 TPN / FP	SK96904	*	1	FNX 63 TPN / FP	SK96904	*	1	1
Fr 2	100	HN Size 000	63 to 100	FNX 100 TPN / FP	SK96906	*	1	FNX 100 TPN / FP	SK96906	*	1	1
Fr 3	125	HN Size 000/00	63 to 125	FNX 125 TPN	SK95806	*	1	FNX 125 FP	SK95814	*	1	1
	160	HN Size 000/00	63 to 160	FNX 160 TPN	SK95807	*	1	FNX 160 FP	SK95815	*	1	1
Fr 4	200	HN Size 0	80 to 200	FNX 200 TPN	SK95808	*	1	FNX 200 FP	SK95816	*	1	1
	250	HN Size 1	125 to 250	FNX 250 TPN	SK95809	*	1	FNX 250 FP	SK95817	*	1	1
Fr 5	315	HN Size 1	125 to 315	FNX 315 TPN	SK95810	*	1	FNX 315 FP	SK95818	*	1	1
	400	HN Size 2	200 to 400	FNX 400 TPN	SK95811	*	1	FNX 400 FP	SK95819	*	1	1
Fr 6	630	HN Size 3	315 to 630	FNX 630 TPN	SK95812	*	1	FNX 630 FP	SK95820	*	1	1
	800	HN Size 3	315 to 800	FNX 800 TPN	SK95813	*	1	FNX 800 FP	SK95821	*	1	1

* Available on request

Notes : 1) For 690V AC application, please contact nearest branch office.

2) The prices for S-D-F range are without HRC fuses

3) Add suffix "OOOO" to all cat nos.

Features offered by HRC fuse link

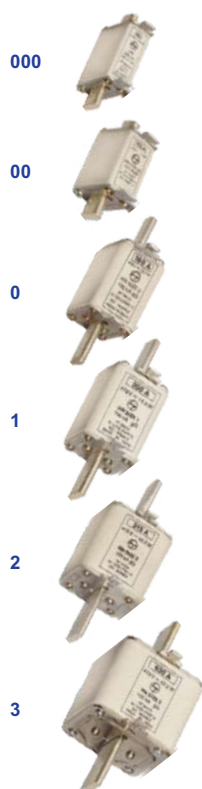
- Conforms to IEC 60269-2, IS 13703 part 2
- Range: 2A to 800A, 415V, AC 50Hz
- Type: Cylindrical (2A to 63A), DIN (63A to 800A) & Bolted (2A to 630A)
- High breaking capacity: 100kA for type HN and 80kA for type HF/HG/HQ

Cylindrical fuse links Type HF



Size	Rated Current (A)	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
14 X 51	2	Suitable for Type FN 32 / 63 / FNX 32 / 63 S-D-F & for HCO 32 Fuse base	SF90144	146	30
	4		SF90145	146	30
	6		SF90146	146	30
	8		SF90147	146	30
	10		SF90148	146	30
	16		SF90150	146	30
	20		SF90151	146	30
	25		SF90152	146	30
	32		SF90142	146	30
	40	Suitable for Type FN 63 / FNX 63 S-D-F & for HC 63 Fuse base	SF90143	160	30
	50		SF90158	355	30
	63		SF90159	430	30

DIN Type Fuse Links Type HN



Size	Rated Current (A)	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
000	63	Suitable for Type FN 100/125/160 / FNX 100/125/160 S-D-F & for HB 160 Fuse base	SF94940	460	3
	80		SF94941	475	3
	100		SF94942	490	3
	125		SF94946	535	3
00	63	Suitable for Type FN 100/125/160 / FNX 125/160 S-D-F & for HB 160 Fuse base	SF94027	585	3
	80		SF94028	585	3
	100		SF94029	585	3
	125		SF94030	600	3
	160		SF94939	615	3
0	80	Suitable for Type FN 200 / FNX 200 S-D-F & for HB 250 Fuse base	SF94128	750	3
	100		SF94129	750	3
	125		SF94130	750	3
	160		SF94131	760	3
	200		SF94132	795	3
1	125	Suitable for Type FN 250/315 / FNX 250/315 S-D-F & for HB 250 Fuse base	SF94230	800	3
	160		SF94231	815	3
	200		SF94232	860	3
	250		SF94233	905	3
	315		SF94234	1120	3
2	200	Suitable for Type FN 400 / FNX 400 S-D-F & for HB 800 Fuse base	SF94332	1165	3
	250		SF94333	1170	3
	315		SF94334	1230	3
	400		SF94335	1255	3
3	315	Suitable for Type FN 630/800 / FNX 630/800 S-D-F & for HB 800 Fuse base	SF94434	1750	1
	400		SF94435	1845	1
	500		SF94436	1895	1
	630		SF94437	1995	1
	800		SF94938	2470	1

Fuse holders & Fuse bases suitable for Cylindrical / DIN fuse-links



Rated Current (A)	Type	Description	Suitable fuse-link		Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
			Type	Range (A)			
32	HCO 32	Fuse holder	HF	2-32	SK91314	290	10
63	HC 63	Fuse holder	HF	2-63	SK91043	325	10
160	HB 160	Fuse base	HN-Size 000 & 00	63-160	SK90405	435	12
250	HB 250	Fuse base	HN-Size 0 & 1	80-250	SK90406	965	3
800	HB 800	Fuse base	HN-Size 2 & 3	200-800	SK91051	1885	3

Notes : 1) Add suffix "OOOO" to all cat nos.



Bolted fuse links: Type HG and HQ



Type	Fixing Method	Size	Rating (A)	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
HG	Offset, staggered	F1	2	Suitable for type HD 20H/20P/20B, HD 32H/32P/32B fuse base	ST30725	61	24
			4		ST30726	61	24
			6		ST30727	61	24
			10		ST30728	61	24
			16		ST30729	71	24
			20		ST30730	71	24
			25		ST30731	76	24
			32		ST30732	76	24
HQ	Offset	A1L	20	Suitable for type FN 32/63 S-D-F	ST34527	120	15
			25		ST34528	120	15
			32		ST34529	120	15
			50		ST35827	150	15
			63		ST35828	150	15
		A2	4	Suitable for type HK 32H/32B fuse base	ST30747	105	12
			6		ST30748	105	12
			10		ST30749	105	12
			16		ST30750	105	12
			20		ST30751	105	12
			25		ST30752	105	12
			32		ST30753	105	12
		A3	35	Suitable for type HK 63B/63H Fuse base	ST30759	155	12
			50		ST30760	165	12
			63		ST30761	175	12
		A4	80	Suitable for type FN 100/125/160 S-D-F & for HK 125H/125B Fuse base	ST30767	335	12
			100		ST30768	335	12
			125		ST30769	385	12
			160		ST35829	440	12
		B1	80	Suitable for type FN 200 S-D-F	ST30774	380	12
			100		ST30775	380	12
			125		ST30776	460	12
		B2	125	Suitable for type FN 200/250 S-D-F	ST30777	480	3
			160		ST30778	485	3
			200		ST30779	525	3
		B3	250	Suitable for type FN 250/315 S-D-F	ST30781	780	3
			315		ST30782	805	3
		B4	355	Suitable for type FN 400 S-D-F	ST30783	1130	3
			400		ST30784	1170	3
	Centre Tag, 4 holes	C2	400	Suitable for type FN 630 S-D-F	ST30785	2210	1
			500		ST30786	2330	1
			630		ST30787	2650	1

Fuse holders suitable for Bolted fuse-links



Rated Current (A)	Type	Connection Method	Fuse Type	Suitable Fuse Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
20	HD 20H	Both side cable (Front)	F1	2-20	ST30772	165	12
	HD 20P	Both side busbar (Back)	F1	2-20	ST30773	245	12
	HD 20B	Top busbar & bottom cable	F1	2-20	ST30766	225	12
32	HD 32H	Both side cable (Front)	F1	2-32	ST30733	180	12
	HD 32P	Both side busbar (Back)	F1	2-32	ST30734	250	12
	HD 32B	Top busbar & bottom cable	F1	2-32	ST30735	240	12
	HK 32H	Both side cable (Front)	A2	4-32	ST30754	305	12
	HK 32B	Top busbar & bottom cable	A2	4-32	ST30755	370	12
63	HK 63H	Both side cable (Front)	A3	35-63	ST30762	390	6
	HK 63B	Top busbar & bottom cable	A3	35-63	ST30763	470	6
125	HK 125H	Both side cable (Front)	A4	80-125	ST30770	1120	3
	HK 125B	Top busbar & bottom cable	A4	80-125	ST30771	1295	3

Notes : 1) Add suffix "OOOO" to all cat nos.

Switch-Disconnecter Units [8536]

Type FN & C-Line Switch Disconnecter (2P/TPN/4P)



FN 2P S-D



FN TPN S-D

Features offered by S-D

- Range 32A to 2000A, 415V, AC 23A
- Conforms to IEC 60947-3, IS/IEC 60947-3
- Door interlock & padlock facility

- Telescopic shaft for depth adjustment
- Flip-able handle 1000A and above
- Terminal shrouds on both sides

Size	Rated Current (A)	Open Execution 2P S-D			Std. Pkg. (Nos.)	Open Execution TPN S-D*			Std. Pkg. (Nos.)
		Type	Cat. No.	M.R.P. (₹) Per Unit		Type	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	32	FN 32 2P	SK904180000	2070	1	FN 32 TPN / 4P	SK955410000	2720	1
	63	FN 63 2P	SK904190000	2590	1	FN 63 TPN / 4P	SK955400000	3270	1
Fr 2	100	FN 100 2P	SK904200000	4670	1	FN 100 TPN	SK955710000	6020	1
	125	FN 125 2P	SK904210000	5840	1	FN 125 TPN	SK954050000	7590	1
Fr 3	200	FN 200 2P	SK904500000	9580	1	FN 200 TPN	SK956070000	11600	1
	250	FN 250 2P	SK904540000	10400	1	FN 250 TPN	SK956830000	13100	1
Fr 4	315	FN 315 2P	SK904650000	13700	1	FN 315 TPN	SK956090000	15500	1
	400	FN 400 2P	SK904660000	15000	1	FN 400 TPN	SK956100000	18300	1
Fr 5	630	FN 630 2P	SK904670000	24500	1	FN 630 TPN	SK956110000	29000	1
	800	FN 800 2P	SK904680000	26300	1	FN 800 TPN	SK955510000	31100	1
	1000	FN 1000 2P	SK904690000	33900	1	FN 1000 TPN	SK957100000	49300	1
Fr 6	1000	-	-	-	-	C-Line SD 1000 4P [§]	COS10000040	56300	1
	1250	-	-	-	-	C-Line SD 1250 4P [§]	COS12500040	70200	1
	1600	-	-	-	-	C-Line SD 1600 4P [§]	COS16000040	88400	1
	2000	-	-	-	-	C-Line SD 2000 4P [§]	COS20000040	113700	1

§ For C-Line SD 3P (1000A to 2000A), please contact nearest branch office

* For Switched Neutral Pole in FN TPN S-D, order Switched Neutral Kit separately. Refer 'Spares & Accessories for type FN' table

Spares & Accessories for type FNX [8538]



Castell Type Lock



DIN Rail Assembly



Auxiliary Contact Kit



Handle Assembly

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact Kit (1NO + 1 NC)	FNX 32 / 63	SK91537	*	1
	FNX 100	SK91538	*	1
	FNX 125 / 160	SK91539	*	1
	FNX 200 / 250	SK91540	*	1
	FNX 315 / 400 / 630 / 800	SK91541	*	1
Handle Assembly	FNX 32 / 63 / 100	SK91524	*	1
	FNX 125 / 160 / 200 / 250	SK91525	*	1
	FNX 315 / 400 / 630 / 800	SK91526	*	1
Castell Type Lock [§]	FNX 32 / 63 / 100	SK91530	*	1
	FNX 125 / 160 / 200 / 250	SK91531	*	1
	FNX 315 / 400 / 630 / 800	SK91531	*	1
DIN Rail Assembly	FNX 32 / 63 / 100	SK91617	*	1

* Available on request

Fuse pulling handle [8538]



For Type HN fuse-link



For Type HF fuse-link

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fuse pulling handle for HF Fuse-link from 2A-63A	SK91185	230	1
Insulated fuse pulling handle for Type HN fuse-link from 63A-800A	SF90126	820	1

Spares & Accessories for type COS Switch-Disconnecter [8538]

Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact Kit (1 sets of C/O contact)	CXS6002	985	1
Operating Handle	CXS6001	2110	1
Castell Type Lock [§]	CX60004	2790	1

§ Chapter ID [8301]

Also suitable for Switch-Disconnecter FN 1000

Notes : 1) Add suffix "OOOO" to all cat nos. of Spares and Accessories.

Spares & Accessories for type FN [8538]



Handle Assembly



Earthing Link



Switched Neutral Kit



Auxiliary Contact Kit



Castell Type Lock

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)	
Auxiliary Contact Kit (1NO + 1 NC)	FN 32 / 63	SK91302	590	1	
	FN 100 / 125 / 160	SK91328	705	1	
	FN 200 / 250	SK91329	945	1	
	FN 315 / 400 / 630	SK91330	1000	1	
	FN 800	CK91034#	1000	1	
2 nd Aux. Contact (1NO + 1NC)	FN 32 / 63	SK90670	640	1	
	FN 100 to FN 1000	SK90696	735	1	
Earthing Link	FN 32 to FN 1000@	CK90396	565	1	
Terminal Shroud Kit	FN 32 / 63	SK91190	200	1	
	FN 100 / 125 / 160	SK91137	250	1	
	FN 200 / 250	SK91335	715	1	
	FN 315 / 400	SK91346	735	1	
	FN 630 / 800	SK91347#	775	1	
Handle Assembly - A	FN 32 / 63	SK91257	555	1	
	FN 100 to FN 250	SK91258	1190	1	
	FN 315 / 400 / 630 / 800	SK91259#	1310	1	
Handle Assembly - B	FN 32 / 63	SK91277	555	1	
	FN 100 to FN 250	SK91278	1190	1	
	FN 315 / 400 / 630 / 800	SK91279#	1310	1	
Handle Assembly - CE	FN 32 / 63	SK91337	325	1	
Interphase Barrier Kit	FN 200	SK91343	505	1	
	FN 315 / 400	SK91344	525	1	
	FN 630 / 800	SK91345#	535	1	
Castell Type Lock\$	FN 100 / 125 / 160 / 200 / 250	A	SK00333	2790	1
		B	SK00334	2790	1
		C	SK00335	2790	1
		D	SK00336	2790	1
	FN 315 / 400 / 630 / 800	A	SK00345#	2790	1
		B	SK00346#	2790	1
		C	SK00347#	2790	1
		D	SK00348#	2790	1
Switched Neutral Kit	FN 100 / 125 / 160	SK95233	5290	1	
	FN 200 / 250	SK95516	5640	1	
	FN 315 / 400	SK95517	6100	1	
	FN 630 / 800	SK95546#	8560	1	

@For terminating earth busbar upto 25mm width. Order Qty 1 for 10 earthing links



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Features

Range: 20A to 1250A
Breaking capacity: 25/36/50/70/100kA
Variants: 3P/4P

Our new advanced MTX3.0 release fosters Energy Management along with most advanced protections. It also enables communication of various parameters for this automation era.

d sine range can now make Total Selectivity possible for uninterrupted healthy power network.

Why wait? Contact us today.

Customer Interaction Center (CIC)

BSNL / MTNL (toll free): 1800 233 5858 Reliance (toll free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com

d sine -DZ MCCBs



Features

Range: 16A to 800A
Breaking capacity: 36/50/80/120/200kA
Operating Voltage: 415/690/800V AC
Variants: 3P/4P
Plug-in available from: 16A to 800A
Drawout available from: 250A to 800A
Motor Operator available from: 16A to 800A

Our new **d sine** -DZ range offers wide range of adjustable overload and short circuit setting with range of internal and external accessories



DU/DY With Thermal - Magnetic Release :

Rating (A)	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400
Icu (kA)															
10	DY125U										DY250U1				
18	DU100D								DU125D						
25															
30	DU100H									DU125H					
36											DU250				
50													DU400N		

DY125U MCCBs



- Conforms to IS/IEC 60947-2, IEC 60947-2 & EN 60947-2
- Range: 16A to 125A, 2P/3P/4P
- Ics=100% of Icu
- High Electrical & Mechanical life
- Thermal Magnetic Release
- No Load-Line Bias
- ON-TRIP-OFF indication
- Suitable for Isolation
- Common SS Enclosure for 3P & 4P

Type	Current Rating (A)	Breaking Capacity Icu (kA)	2 Pole		Breaking Capacity Icu (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DY125U	16	AC : 25kA @ 240V AC, 50 Hz/60 Hz DC : 10kA @ 250V DC (2P in series)	EM90982O0BO	1830	AC : 10kA @ 415V AC, 50 Hz/60 Hz DC : 10kA @ 250V DC (3P in series)	EM90983O0BO	2290	EM90984O0BO	3070	1
	20		EM90982O0CO	1830		EM90983O0CO	2290	EM90984O0CO	3070	1
	25		EM90982O0DO	1830		EM90983O0DO	2290	EM90984O0DO	3070	1
	32		EM90982O0EO	1830		EM90983O0EO	2290	EM90984O0EO	3070	1
	40		EM90982O0FO	1830		EM90983O0FO	2290	EM90984O0FO	3070	1
	50		EM90982O0GO	1830		EM90983O0GO	2290	EM90984O0GO	3070	1
	63		EM90982O0HO	1780		EM90983O0HO	2220	EM90984O0HO	2980	1
	80		EM90982O0JO ▲	1960		EM90983O0JO ▲	2500	EM90984O0JO ▲	3450	1
			EM90812O0JO	1780		EM90813O0JO	2220	EM90814O0JO	2980	1
	100		EM90982O0KO ▲	1960		EM90983O0KO ▲	2500	EM90984O0KO ▲	3450	1
			EM90812O0KO	1780		EM90813O0KO	2220	EM90814O0KO	2980	1
	125		EM90982O0LO ▲	2750		EM90983O0LO ▲	3670	EM90984O0LO ▲	4570	1

▲ - Spreader Terminals are included

Note: 2 Pole in 3 Pole frame size

Phase barriers are supplied with all MCCBs

Accessories for DY125U MCCBs [8538]



Auxiliary/Trip Alarm Contact



Shunt Release



Spreader Terminals



Direct ROM



Extended ROM

Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary/Trip Alarm Contact			
1C/O	EM90966O000	705	1
Shunt Release			
Short Rated 110/240/415V AC	EM90520O000	930	1
Under Voltage Release			
240V AC	EM90518B000	2820	1

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals			
2 Pole (upto 100A)	CM97785O002	285	Set of 4
3 Pole (upto 100A)	CM97785O000	435	Set of 6
4 Pole (upto 100A)	CM97921O000	685	Set of 8
Rotary Handle			
Direct ROM	EM90969O000	1390	1
Extended ROM	EM90970O000	2040	1
SS Enclosure			
Size I Enclosure for 3P & 4P	CM90996O000	2400	1



DU MCCB Range [8536]

3 Pole / 4 Pole MCCBs

DU100D/DU125D MCCBs



- Conforms to IS/IEC 60947-2 & IEC 60947-2
- Range: 20A to 125A, 3P & 4P
- Ics=100% of Icu
- Compact size
- Common SS Enclosure for 3P & 4P
- Wide Range of snap fit Internal and External Accessories
- Adjustable Overload Setting: 0.8 - 1.0 x In

Kindly refer page no. 45 for cost effective MCCB for motor starter application

Type	Thermal Release Range (A)	Breaking Capacity Icu at 415V AC 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DU100D	16-20	18	CM90517OOCO	5020	CM90518OOCO	6340	1
	20-25		CM90517OODO	5020	CM90518OODO	6340	1
	25-32		CM90517OOEO	5020	CM90518OOEO	6340	1
	32-40		CM90517OOF0	5020	CM90518OOF0	6340	1
	40-50		CM90517OOGO	5020	CM90518OOGO	6340	1
	50-63		CM90517OOHO	4870	CM90518OOHO	6160	1
	63-80		CM90517OOJO	4870	CM90518OOJO	6160	1
	80-100		CM90517OOKO	4870	CM90518OOKO	6160	1
DU125D	100-125		CM90676OOLO	5900	CM90677OOLO	7810	1

Note: DIN rail kit available as an accessory. Please refer DU100D/DU125D accessories table.

2 Pole / 3 Pole / 4 Pole MCCBs

DU100H/DU125H MCCBs



- Conforms to IS/IEC 60947-2 & IEC 60947-2
- Range: 20A to 125A, 2P, 3P & 4P
- Compact size
- Common SS Enclosure for 2P, 3P & 4P
- Wide Range of snap fit Internal and External Accessories
- Adjustable Overload Setting: 0.8 - 1.0 x In

For DC application please refer catalogue

Type	Thermal Release Range (A)	Breaking Capacity Icu (kA)	2 Pole		Breaking Capacity Icu at 415V AC 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DU100H	16-20	AC : 65kA @ 240V AC, 50Hz	CM97898OOC2	3820	30	CM97894OOC2	5450	CM97933OOC2	7320	1
	20-25		CM97898OOD2	3820		CM97894OOD2	5450	CM97933OOD2	7320	1
	25-32		CM97898OOE2	3820		CM97894OOE2	5450	CM97933OOE2	7320	1
	32-40		CM97898OOF2	3820		CM97894OOF2	5450	CM97933OOF2	7320	1
	40-50	DC : 15kA @ 250V DC, (2P in Series) L/R < 15 msec.	CM97898OOG2	3820		CM97894OOG2	5450	CM97933OOG2	7320	1
	50-63		CM97898OOH2	3710		CM97894OOH2	5290	CM97933OOH2	7110	1
	63-80		CM97898OOJ2	3710		CM97894OOJ2	5290	CM97933OOJ2	7110	1
	80-100		CM97898OOK2	3710		CM97894OOK2	5290	CM97933OOK2	7110	1
DU125H	100-125		CM91198OOLO	5770		CM90678OOLO	6390	CM90679OOLO	8320	1

Note: 2 Pole in 3 pole frame size

DIN rail kit available as an accessory. Please refer DU100H/DU125H accessories table.

Accessories for DU100D/DU125D/DU100H/DU125H MCCBs [8538]



Auxiliary Contact



ATAC



Shunt Release



UV Release

Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact			
1 C/O - Right	CM97886OOOO	1100	1
2 C/O - Right	CM97887OOOO	1950	1
Trip Alarm Contact			
1 C/O - Right	CM97888OOOO	1100	1
2 C/O - Right	CM97889OOOO	1950	1
Auxiliary + Trip Alarm Contact			
1 C/O + 1C/O - Right	CM97890OOOO	1880	1
Shunt Release			
24V DC - Left	CM91402O4OO	2180	1
110V AC - Left	CM97883OAOO	2180	1
240/415V AC - Left	CM97883OMOO	2180	1
Under Voltage Release			
240V AC - Left	CM97892BOOO	3620	1



Spreader Terminals



Direct ROM



Extended ROM

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals			
DU100H - 2 Pole	CM97785OOO2	285	Set of 4
DU125H - 2 Pole	CM91199OOLO	365	Set of 4
DU100D/DU100H - 3 Pole	CM97785OOOO	435	Set of 6
DU125D/DU125H - 3 Pole	CM90687OOLO	565	Set of 6
DU100D/DU100H - 4 Pole	CM97921OOOO	685	Set of 8
DU125D/DU125H - 4 Pole	CM90688OOLO	815	Set of 8
Rotary Handle			
DU100D/DU125D/ Direct ROM	CM97895OOOO	1410	1
DU100H/DU125H Extended ROM	CM97896OOOO	1820	1
DIN rail kit			
DU100D/DU125D/DU100H/DU125H	CM90944OOOO	160	1
SS Enclosure			
Size I Enclosure	CM90996OOOO	2400	1

Note: Phase Barriers are supplied along with all MCCBs

DU/DY MCCB Range [8536]

2 Pole / 3 Pole / 4 Pole MCCBs DY250U1/DU250C/DU250/DU400N MCCBs



- Conforms to IS/IEC 60947-2 & IEC 60947-2
- Range: 160A to 400A, 2P, 3P & 4P
- Common SS Enclosure for 2P, 3P & 4P*
- Compact size
- Wide Range of snap fit Internal and External Accessories
- Adjustable Overload Setting: 0.8 - 1.0 x In

Kindly refer page no. 46
for cost effective MCCB for
motor starter application

Type	Thermal Release Range (A)	Breaking Capacity Icu (kA)	2 Pole		Breaking Capacity Icu (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
New DY250U1	125-160	-	-	-	10	CM981950OMO ▲	6420	CM981960OMO ▲	8820	1
	160-200					CM981950ONO ▲	7610	CM981960ONO ▲	9880	1
	200-250					CM981950OPO ▲	10300	CM981960OPO ▲	13500	1
DU250C	125-160	-	-	-	25	CM906310OMO	8550	CM906340OMO	10900	1
	160-200					CM906310ONO	10300	CM906340ONO	13100	1
	200-250					CM906310OPO	11400	CM906340OPO	15000	1
DU250	125-160	AC : 65kA @ 240V AC, 50Hz DC : 15kA for DU250 @ 250V DC & 25kA for DU400N @ 250V DC, (2P in Series) L/R < 15 msec.	CM909050OMO	6990	36	CM980620OOO	9770	CM980650OMO	12100	1
	160-200		CM909050ONO	8080		CM980610OOO	12000	CM980650ONO	16200	1
	200-250		CM909050OPO	9050		CM980600OOO	13400	CM980650OPO	17900	1
DU400N	250-320		CM908860OQO	16400	50	CM984020OQO	20400	CM984040OQO	25000	1
	320-400		CM908860ORO	16400		CM984020ORO	20400	CM984040ORO	25000	1

▲ - Spreader Terminals are included

Note: 2 Pole in 3 Pole frame size * For DU250/DU250C

Accessories for DY250U1/DU250/DU250C MCCBs [8538]

Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact			
1 C/O - Right	CM978860OOO	1100	1
2 C/O - Right	CM978870OOO	1950	1
Trip Alarm Contact			
1 C/O - Right	CM978880OOO	1100	1
2 C/O - Right	CM978890OOO	1950	1
Auxiliary + Trip Alarm Contact			
1 C/O + 1C/O - Right	CM978900OOO	1880	1
Shunt Release			
24V DC - Left	CM9140204OO	2180	1
110V AC - Left	CM978830AOO	2180	1
240/415V AC - Left	CM978830MOO	2180	1
Under Voltage Release			
240V AC - Left	CM97892BOOO	3620	1

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals			
DU250 - 2 Pole	CM909600OOO	1460	Set of 4
DU250C/DU250 - 3 Pole	ST980530OOO	1870	Set of 6
DU250C/DU250 - 4 Pole	CM920070OOO	2480	Set of 8
Rotary Handle			
Direct ROM	CM980400OOO	1510	1
Extended ROM	CM980410OOO	1940	1
SS Enclosure			
Size II Enclosure	CM910030OOO	5510	1

Note: Phase Barriers are supplied along with all MCCBs

Accessories for DU400N MCCBs [8538]



Auxiliary Contact TAC Shunt Release UV Release

Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact			
1 C/O	CM998010OOO	1280	1
2 C/O	CM998020OOO	2480	1
Trip Alarm Contact			
1 C/O - Right	CM998030OOO	1350	1
Auxiliary + Trip Alarm Contact			
1 C/O + 1C/O - Right	CM998040OOO	2480	1
Shunt Release			
110/240/415V AC, 220V DC	CM998050OOO	3220@	1
24V DC	CM9897604OO	3220@	1
Under Voltage Release			
240V AC - Left	CM99986BOOO	4470	1



Spreader Terminals Direct ROM Extended ROM

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals			
2 Pole	CM909640OOO	2280	Set of 4
3 Pole	ST980650OOO	3620	Set of 6
4 Pole	ST980660OOO	5200	Set of 8
Rotary Handle			
Direct ROM	CM998600OOO	2330	1
Extended ROM	CM998610OOO	3830	1

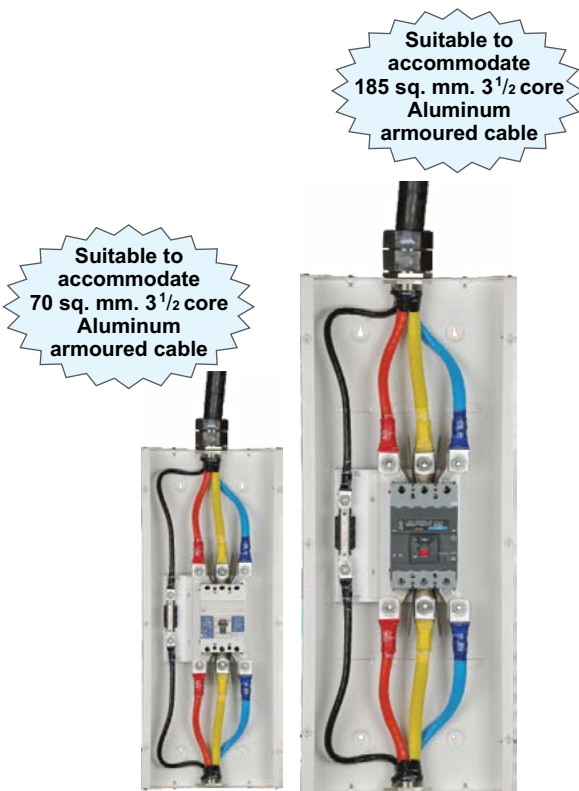
Note: Phase Barriers are supplied along with all MCCBs

All internal accessories & ROMs are common for 2P MCCBs

@ - 'NO' of control contactor to be connected in series for DC control supply



SS Enclosure for MCCBs [8538]



Size I & Size II Enclosures

Note: Pictorial is for representation purpose only.
Does not include cabling. MCCB to be purchased separately.

Perfect home for your MCCB

- Superior Aesthetics
- Common Enclosure for 3P and 4P MCCBs
- Generous space for cable termination
- In-built neutral Link for TPN system
- IK08 and IP30 Protection
- Mounting holes for easy wall mounting
- Louvers for better heat dissipation
- Effortless Installation
- Size I suitable up to 125A MCCBs, 36kA
- Size II suitable from 160A to 250A MCCBs, 50kA

Separate cable gland box NOT required



Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Size I Enclosure for DU100H/DU125H/DU100D/DU125D/DN0/DY125U	CM909960000	2400	1
Size II Enclosure for DY250U1/DU250C/DU250/DN1	CM910030000	5510	1



Easy wall Mounting

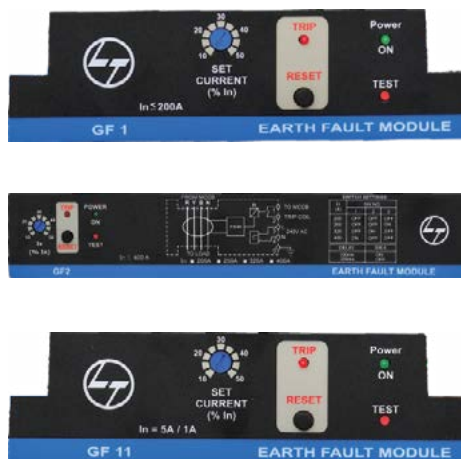


In-built Neutral Link



Better Heat Dissipation

Ground Fault Module [8538]



- Provides protection against ground fault
- GF Module for ground fault protection can be used with all Thermal Magnetic MCCBs
- Adjustable ground fault sensitivity selection: 10% - 50% of In
- Adjustable time delay: 100ms / 200ms
- Test facility to check healthiness of ground fault protection system without tripping MCCB
- Suitable for 3 phase 3 wire & 3 phase 4 wire electrical distribution network with cable termination
- LED for earth fault indication

Ground Fault Protection					
Type	Range (A)	Cat. No.	M.R.P. (₹) Per Unit	CT	Std. Pkg. (Nos.)
GF1	100 - 200A	ST277450000	10800	Built in CBCT	1
GF2	200 - 400A	ST277460000	16500	Built in CBCT	1
GF11	up to 800A	ST285940000	9960 #	External CT required	1

External CTs of 5P10 class with secondary rating of 1A or 5A

d sine With Thermal - Magnetic Release :

Rating (A)	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630
Icu=Ics (kA)*																	
25																	
36																	
36/50																	
36/50/70																	



dsine TM

- Conforms to IS/IEC 60947-2
- 20A to 630A, 3P & 4P
- 25kA, 36kA, 50kA & 70kA breaking capacities
- Ics= 100% of Icu*
- Adjustable overload settings: 0.8 - 1.0 x In
- Adjustable short-circuit settings: 6 - 10 x In**
- Manual, Rotary and Motorised versions available@
- Wide range of accessories



dsine-DZ1 TM

- Conforms to IS/IEC 60947-2
- 16A to 160A, 3P & 4P
- 36kA & 50kA breaking capacities
- Ics= 100% of Icu
- Adjustable overload settings: 0.67 - 1.0 x In
- Adjustable short-circuit settings: 6 - 12 x In***
- Transparent sealable release cover
- Compact size
- Wide range of accessories

Type	Thermal Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DN0-100D*	16-20	36	CM97893OOC2OG	8920	CM97919OOC2OG	12500	1
	20-25		CM97893OOD2OG	8920	CM97919OOD2OG	12500	1
	25-32		CM97893OOE2OG	8920	CM97919OOE2OG	12500	1
	32-40		CM97893OOF2OG	8920	CM97919OOF2OG	12500	1
	40-50		CM97893OOG2OG	8920	CM97919OOG2OG	12500	1
	50-63		CM97893OOH2OG	8660	CM97919OOH2OG	12100	1
	63-80		CM97893OOJ2OG	8660	CM97919OOJ2OG	12100	1
	80-100		CM97893OOK2OG	8660	CM97919OOK2OG	12100	1
DN0-125D*	100-125		CM90680OOL0OG	10600	CM90681OOL0OG	14100	1
DN0-100C	16-20	25	CM91612OOC0OG	9270	CM91712OOC0OG	13000	1
	20-25		CM91612OOD0OG	9270	CM91712OOD0OG	13000	1
	25-32		CM91612OOE0OG	9270	CM91712OOE0OG	13000	1
	32-40		CM91612OOF0OG	9270	CM91712OOF0OG	13000	1
	40-50		CM91612OOG0OG	9270	CM91712OOG0OG	13000	1
	50-63		CM91612OOH0OG	9000	CM91712OOH0OG	12600	1
	63-80		CM91612OOJ0OG	9000	CM91712OOJ0OG	12600	1
	80-100		CM91612OOK0OG	9000	CM91712OOK0OG	12600	1
DN1-250C	100-125		CM90638OOL0	13000	CM90642OOL0	15900	1
	125-160		CM90638OOM0	16900	CM90642OOM0	20500	1
	160-200		CM90638OON0	21200	CM90642OON0	24600	1
	200-250		CM90638OOP0	24200	CM90642OOP0	28000	1

Kindly refer page no. 46 for cost effective MCCB for motor starter application

Note:

Breaking Capacity : C = 25kA, D = 36kA, N = 50kA, S = 70kA

@ Motorised version available for DN2 and DN3 frames (please refer page No. 46)

* DN0-100D/125D : Ics= 50% Icu

** For DN0, DN1, DN3B-Short Circuit Setting: 9In

For DN1-250N (50kA) please contact nearest branch office

*** From 16A to 50A, Fixed Magnetic setting (375A)



d sine With Thermal - Magnetic Release :

Type	Thermal Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DZ1-160D	11-16	36	DZ1T0016DXC1A	12000	DZ1F0016DXC1A	15400	1
	14-20		DZ1T0020DXC1A	12000	DZ1F0020DXC1A	15400	1
	17-25		DZ1T0025DXC1A	12000	DZ1F0025DXC1A	15400	1
	22-32		DZ1T0032DXC1A	12000	DZ1F0032DXC1A	15400	1
	27-40		DZ1T0040DXC1A	12000	DZ1F0040DXC1A	15400	1
	34-50		DZ1T0050DXC1A	12000	DZ1F0050DXC1A	15400	1
	43-63		DZ1T0063DXD1A	11700	DZ1F0063DXD1A	14900	1
	54-80		DZ1T0080DXD1A	11700	DZ1F0080DXD1A	14900	1
	67-100		DZ1T0100DXD1A	11700	DZ1F0100DXD1A	14900	1
	84-125		DZ1T0125DXD1A	13500	DZ1F0125DXD1A	16600	1
	108-160		DZ1T0160DXD1A	17700	DZ1F0160DXD1A	21000	1
DN2-250D	100-125	36	CM92008OOL1OG	17700	CM92108OOL1OG	21900	1
	125-160		CM92008OOM1OG	23400	CM92108OOM1OG	27800	1
	160-200		CM92009OON1OG	25200	CM92109OON1OG	32200	1
	200-250		CM92009OOP1OG	28300	CM92109OOP1OG	34100	1
DN3B-400D	250-320		CM98401OOQOOG	34100	CM98403OOQOOG	41600	1
	320-400		CM98401OOROOG	34100	CM98403OOROOG	41600	1
DN3-400D	250-320		CM94005OOQ1OG	*	CM94105OOQ1OG	*	1
	320-400		CM94005OOR1OG	*	CM94105OOR1OG	*	1
DN3-630D	400-500		CM94006OOS1OG	47000	CM94106OOS1OG	58100	1
	500-630		CM94006OOT1OG	47000	CM94106OOT1OG	58100	1
DZ1-160N	11-16	50	DZ1T0016NXC1A	15600	DZ1F0016NXC1A	19100	1
	14-20		DZ1T0020NXC1A	15600	DZ1F0020NXC1A	19100	1
	17-25		DZ1T0025NXC1A	15600	DZ1F0025NXC1A	19100	1
	22-32		DZ1T0032NXC1A	15600	DZ1F0032NXC1A	19100	1
	27-40		DZ1T0040NXC1A	15600	DZ1F0040NXC1A	19100	1
	34-50		DZ1T0050NXC1A	15600	DZ1F0050NXC1A	19100	1
	43-63		DZ1T0063NXD1A	15100	DZ1F0063NXD1A	18500	1
	54-80		DZ1T0080NXD1A	15100	DZ1F0080NXD1A	18500	1
	67-100		DZ1T0100NXD1A	15100	DZ1F0100NXD1A	18500	1
	84-125		DZ1T0125NXD1A	20100	DZ1F0125NXD1A	23200	1
	108-160		DZ1T0160NXD1A	22800	DZ1F0160NXD1A	27300	1
DN2-250N	100-125	50	CM92005OOL1OG	24600	CM92105OOL1OG	29900	1
	125-160		CM92005OOM1OG	26900	CM92105OOM1OG	35200	1
	160-200		CM92006OON1OG	27800	CM92106OON1OG	37600	1
	200-250		CM92006OOP1OG	30400	CM92106OOP1OG	38900	1
DN3-400N	250-320		CM94003OOQ1OG	37200	CM94103OOQ1OG	45600	1
	320-400		CM94003OOR1OG	37200	CM94103OOR1OG	45600	1
DN3-630N	400-500		CM94004OOS1OG	50300	CM94104OOS1OG	63700	1
	500-630		CM94004OOT1OG	50300	CM94104OOT1OG	63700	1
DN2-250S	100-125	70	CM92002OOL1OG	33800	CM92102OOL1OG	39900	1
	125-160		CM92002OOM1OG	36100	CM92102OOM1OG	42600	1
	160-200		CM92003OON1OG	40200	CM92103OON1OG	47700	1
	200-250		CM92003OOP1OG	42200	CM92103OOP1OG	50800	1
DN3-400S	250-320		CM94001OOQ1OG	44800	CM94101OOQ1OG	53100	1
	320-400		CM94001OOR1OG	44800	CM94101OOR1OG	53100	1
DN3-630S	400-500		CM94002OOS1OG	59500	CM94102OOS1OG	71500	1
	500-630		CM94002OOT1OG	59500	CM94102OOT1OG	71500	1

For DC application
please refer catalogue

Kindly refer page no. 46
for cost effective MCCB for
motor starter application

* Price on request Note: Add suffix as "OOOO" to all DZ1 cat. nos.

General Information

- Use of phase barriers is mandatory. These are supplied along with MCCBs
- It is recommended to use spreader terminals for enhancing termination capacity
- Spreader terminals are available as accessories, unless otherwise specified against cat. nos.

Special Applications

- dsine/DU/DY MCCBs with TM release can be used for DC application (2P/3P/4P)
- dsine/DU MCCBs can be used for Capacitor back-up protection
- For Motor back-up protection, use 'M' series of MCCBs such as DN0-M, DZ1-N, DN1-M, DN2-M, DN3-M
- For isolator applications, use SD version (without protection release)

d sine With Microprocessor Release :

Rating (A)	40	63	100	160	250	400	630	800	1000	1250
Icu (kA)										
36/50	DZ1									
36/50/70/100	DN2					DN3				
50/70/100								DN4		

d sine With Microprocessor Release MTX1.0 & iTRP1 :



dsine MTX1.0

- Conforms to IS/IEC 60947-2
- 40A to 1250A, 3P & 4P
- 36kA, 50kA, 70kA and 100kA breaking capacities
- Ics=100% Icu
- Adjustable overload setting from 0.4 to 1.0 x In
- Adjustable short-circuit setting from 1.5 to 8 x Ir
- Inbuilt instantaneous Protection
- Switchable thermal memory
- Variable trip class
- Front LED Indication
- Manual, Rotary and Motorised versions available@
- Wide range of accessories



dsine-DZ iTRP1

- Conforms to IS/IEC 60947-2
- 16A to 160A, 3P & 4P
- 36kA & 50kA breaking capacities
- Ics=100% Icu
- Adjustable overload setting from 0.25 to 1.0 x In
- Adjustable short-circuit setting from 1.5 to 12 x Ir
- OR Instantaneous setting from 1.5 to 12 x In
- Switchable thermal memory
- Variable trip class
- Transparent sealable release cover
- Compact size
- Wide range of accessories

Type	Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DZ1-160D#	10-40	36	DZ1T0040DXF1A	20500	DZ1F0040DXF1A	25700	1
	16-63		DZ1T0063DXF1A	20500	DZ1F0063DXF1A	25700	1
	25-100		DZ1T0100DXF1A	20500	DZ1F0100DXF1A	25700	1
	40-160		DZ1T0160DXF1A	25900	DZ1F0160DXF1A	36000	1
			CM92063O000X1	24800	CM92155O000X1	31100	1
DN2-250D	16-40		CM92071O000X1	24800	CM92154O000X1	31100	1
	25-63		CM92051O000X1	24800	CM92153O000X1	31100	1
	40-100		CM92074O000X1	31400	CM92152O000X1	43600	1
	63-160		CM92054O000X1	35400	CM92151O000X1	48500	1
	100-250		CM93001O000X1	43500	CM93003O000X1	53800	1
DN3-400D	160-400		CM93005O000X1	48500	CM93007O000X1	63100	1
DN3-630D	250-630						
DZ1-160N#	10-40	50	DZ1T0040NXF1A	24400	DZ1F0040NXF1A	32600	1
	16-63		DZ1T0063NXF1A	24400	DZ1F0063NXF1A	32600	1
	25-100		DZ1T0100NXF1A	24400	DZ1F0100NXF1A	32600	1
	40-160		DZ1T0160NXF1A	31900	DZ1F0160NXF1A	40300	1
DN2-250N	16-40		CM92064O000X1	29500	CM92160O000X1	38500	1
	25-63		CM92072O000X1	29500	CM92159O000X1	38500	1
	40-100		CM92052O000X1	29500	CM92158O000X1	38500	1
	63-160		CM92075O000X1	38600	CM92157O000X1	47600	1
	100-250		CM92055O000X1	40200	CM92156O000X1	51900	1
DN3-400N	160-400		CM93002O000X1	47600	CM93004O000X1	61500	1
DN3-630N	250-630		CM93006O000X1	52300	CM93008O000X1	68200	1
DN4-1250N	320-800		CM96021O000X1	77100	CM96111O000X1	98000	1
	400-1000		CM96022O000X1	109900	CM96112O000X1	159100	1
	500-1250		CM96023O000X1	137200	CM96113O000X1	185600	1
DN2-250S	16-40	70	CM92065O000X1	31400	CM92165O000X1	40000	1
	25-63		CM92073O000X1	31400	CM92164O000X1	40000	1
	40-100		CM92059O000X1	31400	CM92163O000X1	40000	1
	63-160		CM92076O000X1	42300	CM92162O000X1	53500	1
	100-250		CM92056O000X1	46400	CM92161O000X1	60000	1
DN3-400S	160-400		CM94053O000X1	59100	CM94153O000X1	76100	1
DN3-630S	250-630		CM94079O000X1	62500	CM94179O000X1	86900	1
DN4-1250S	320-800		CM96025O000X1	93600	CM96115O000X1	119100	1
	400-1000		CM96026O000X1	134700	CM96116O000X1	196600	1
	500-1250		CM96027O000X1	164900	CM96117O000X1	224300	1

Note: dsine-V Version (Icu=Ics=100kA) MCCBs are available on request.

@ Motorised version available for DN2, DN3 and DN4 frames (please refer page No. 46)

Add suffix as "O000" to all DZ1 cat. nos. # For 25A, please contact nearest branch office



d sine With Microprocessor Release MTX2.0 & iTRP3 :



dsine MTX2.0

- Conforms to IS/IEC 60947-2
- 40A to 1250A, 3P & 4P
- 36kA, 50kA, 70kA and 100kA breaking capacities
- Ics=100% Icu
- Adjustable overload setting from 0.4 to 1.0 x In
- Adjustable short-circuit setting from 1.5 to 8 x Ir
- Inbuilt instantaneous Protection
- Inbuilt ground fault protection from 20%-50% of In
- Adjustable neutral overload protection from 50% to 150% of Ir
- Switchable thermal memory
- Variable trip class
- Front LED Indication
- Panel mounted display for current metering & trip record
- Manual, Rotary and Motorised versions available@
- Wide range of accessories



dsine-DZ iTRP3

- Conforms to IS/IEC 60947-2
- 16A to 160A, 3P & 4P
- 36kA & 50kA breaking capacities
- Ics=100% Icu
- Adjustable overload setting from 0.25 to 1.0 x In
- Adjustable short-circuit setting from 1.5 to 10 x Ir
- Adjustable Instantaneous setting, 6 In & 12 In
- Inbuilt ground fault protection from 20%-70% of In
- Adjustable neutral overload protection from 50% to 200% of Ir
- Switchable thermal memory
- Provision for release testing
- Individual fault indication LEDs
- Transparent sealable release cover
- Compact size
- Wide range of accessories

Type	Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DZ1-160D#	10-40	36	DZ1T0040DXH1A	36100	DZ1F0040DXH1A	41300	1
	16-63		DZ1T0063DXH1A	36100	DZ1F0063DXH1A	41300	1
	25-100		DZ1T0100DXH1A	36100	DZ1F0100DXH1A	41300	1
	40-160		DZ1T0160DXH1A	41500	DZ1F0160DXH1A	51600	1
DN2-250D	16-40	36	CM920630000AAG	42400	CM921550000AAG	48800	1
	25-63		CM920710000AAG	42400	CM921540000AAG	48800	1
	40-100		CM920510000AAG	42400	CM921530000AAG	48800	1
	63-160		CM920740000AAG	46900	CM921520000AAG	57600	1
	100-250		CM920540000AAG	48800	CM921510000AAG	60500	1
DN3-400D	160-400	36	CM930010000AAG	58900	CM930030000AAG	68200	1
DN3-630D	250-630		CM930050000AAG	63800	CM930070000AAG	78000	1
DZ1-160N#	10-40	50	DZ1T0040NXH1A	40000	DZ1F0040NXH1A	48200	1
	16-63		DZ1T0063NXH1A	40000	DZ1F0063NXH1A	48200	1
	25-100		DZ1T0100NXH1A	40000	DZ1F0100NXH1A	48200	1
	40-160		DZ1T0160NXH1A	47500	DZ1F0160NXH1A	55900	1
DN2-250N	16-40	50	CM920640000AAG	46100	CM921600000AAG	55000	1
	25-63		CM920720000AAG	46100	CM921590000AAG	55000	1
	40-100		CM920520000AAG	46100	CM921580000AAG	55000	1
	63-160		CM920750000AAG	51700	CM921570000AAG	61100	1
	100-250		CM920550000AAG	52100	CM921560000AAG	63900	1
DN3-400N	160-400	50	CM930020000AAG	62400	CM930040000AAG	73100	1
DN3-630N	250-630		CM930060000AAG	67800	CM930080000AAG	87400	1
DN4-1250N	320-800	50	CM960210000AAG	108700	CM961110000AAG	130300	1
	400-1000		CM960220000AAG	140000	CM961120000AAG	187400	1
	500-1250		CM960230000AAG	164000	CM961130000AAG	212200	1
DN2-250S	16-40	70	CM920650000AAG	48200	CM921650000AAG	57400	1
	25-63		CM920730000AAG	48200	CM921640000AAG	57400	1
	40-100		CM920590000AAG	48200	CM921630000AAG	57400	1
	63-160		CM920760000AAG	57900	CM921620000AAG	69000	1
	100-250		CM920560000AAG	63600	CM921610000AAG	80600	1
DN3-400S	160-400	70	CM940530000AAG	78500	CM941530000AAG	98300	1
DN3-630S	250-630		CM940790000AAG	85000	CM941790000AAG	118900	1
DN4-1250S	320-800	70	CM960250000AAG	126400	CM961150000AAG	158000	1
	400-1000		CM960260000AAG	169800	CM961160000AAG	229800	1
	500-1250		CM960270000AAG	201500	CM961170000AAG	264400	1

Note: dsine-V Version (Icu=Ics=100kA) MCCBs are available on request.
 @ Motorised version available for DN2, DN3 and DN4 frames (please refer page No. 46)
 Add suffix "OOOO" to all DZ1 cat nos.
 # For 25A, please contact nearest branch office
 *Price on request

Accessories for MTX2.0 [8538]

Modules for MTX2.0 release	Cat. No.	M.R.P. (₹) Per Unit
Current Metering Module (Display & Metering Module)	CM956980000	33100
Cable (2m length)	CM011960000	1690
Power Supply Module	CL907220000	*
UNCO Module for Status Indication & Control through communication	CL908520000	13800

Current Metering & latest trip record



Display Module



Metering Module

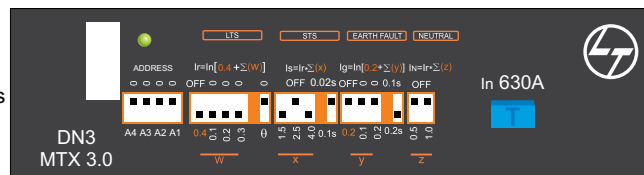
MTX2.0 with current metering module



d sine With Microprocessor Release MTX3.0 :



- Conforms to IS/IEC 60947-2 & IEC 60947-2
- Range: 40A to 1250A, 3P & 4P
- Choice of 36kA / 50kA / 70kA / **100kA** breaking capacities
- Ics = 100% Icu
- Suitable for Isolation
- Adjustable Over Load from 0.4 - 1.0 x In
- Adjustable Short Circuit from 1.5 - 8 x Ir with selectable time delay
- Instantaneous protection with fine settings
- Inbuilt ground fault protection from 10% - 50% of In
- Adjustable neutral overload protection available : 50% to 150% of Ir
- Advanced Current, Voltage, Frequency & Power based protections
- Other Protections like Maximum Demand, Phase Sequence, THD etc.
- Comprehensive Current, Power, Energy, PF, MD, THD metering
- Provision of Thermal Memory : ON/OFF
- Variable trip class at 1.5 Ir, 6 Ir & 7.2 Ir
- Front LED indication of Over Load, short circuit & earth fault
- Panel mounted display available for advanced protections & metering
- Communication capable release
- Manual, Rotary or Motorised versions available @
- For 3 phase 4 wire system, External neutral CTs available for 3P MCCBs
- Wide Range of snap fit Internal and External Accessories



Type	Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DN2-250D	16 - 40	36	CM920630000BG	*	CM921550000BG	*	1
	25 - 63		CM920710000BG		CM921540000BG		1
	40 - 100		CM920510000BG		CM921530000BG		1
	63 - 160		CM920740000BG		CM921520000BG		1
	100 - 250		CM920540000BG		CM921510000BG		1
DN3-400D	160 - 400	50	CM930010000BG	*	CM930030000BG	*	1
DN3-630D	250 - 630		CM930050000BG		CM930070000BG		1
DN2-250N	16 - 40		CM920640000BG		CM921600000BG		1
	25 - 63		CM920720000BG		CM921590000BG		1
	40 - 100		CM920520000BG		CM921580000BG		1
	63 - 160		CM920750000BG		CM921570000BG		1
	100 - 250		CM920550000BG		CM921560000BG		1
DN3-400N	160 - 400	70	CM930020000BG	*	CM930040000BG	*	1
DN3-630N	250 - 630		CM930060000BG		CM930080000BG		1
DN4-1250N	320 - 800		CM960210000BG		CM961110000BG		1
	400 - 1000		CM960220000BG		CM961120000BG		1
	500 - 1250		CM960230000BG		CM961130000BG		1
DN2-250S	16 - 40	70	CM920650000BG	*	CM921650000BG	*	1
	25 - 63		CM920730000BG		CM921640000BG		1
	40 - 100		CM920590000BG		CM921630000BG		1
	63 - 160		CM920760000BG		CM921620000BG		1
	100 - 250		CM920560000BG		CM921610000BG		1
DN3-400S	160 - 400	70	CM940530000BG	*	CM941530000BG	*	1
DN3-630S	250 - 630		CM940790000BG		CM941790000BG		1
DN4-1250S	320 - 800		CM960250000BG		CM961150000BG		1
	400 - 1000		CM960260000BG		CM961160000BG		1
	500 - 1250		CM960270000BG		CM961170000BG		1

Note: dsine-V Version (Icu=Ics=100kA) MCCBs are available on request.

@ Motorised version available for DN2, DN3 and DN4 frames (please refer page No. 46)

Accessories for MTX3.0 [8538]

Modules for MTX3.0 release	Cat. No.	M.R.P. (₹) Per Unit
Communication Module	CM956800000	*
Voltage Module	CM956850000	
Display Module	CM956760000	
Power Supply Module	CL907220000	*
UNCO Module for Status Indication & Control through communication	CL908520000	13800

* Price on request

MCCB with MTX3.0 release



MTX3.0 with all modules



d sine MCCBs for Motor back-up Protection:



- Range: 32A to 630A, 50kA
- Suitable for isolation
- Wide Range of snap fit Internal and External Accessories

**Cost effective solution
for motor starter protection**

3 Pole					
Type	Current Rating (A)	Breaking Capacity Icu at 415V. AC, 50Hz. (kA)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
DN0-100M	32	50	CM98944OOEO	6020	1
	40		CM98944OOF0	6020	1
	50		CM98944OOGO	6020	1
	63		CM98944OOHO	6020	1
	80		CM98944OOJO	6020	1
	100		CM98944OOKO	6020	1
DZ1-160N	100		DZ1T0100NXM1A	8590	1
	125		DZ1T0125NXM1A	8740	1
	160		DZ1T0160NXM1A	10370	1
DN1-160M	100		CM90345OOKO	10040	1
	125		CM90345OOL0	10220	1
	160		CM90345OOMO	12130	1
DN2-250M	200		CM9217100NOOG	15540	1
	250		CM9217100POOG	20780	1
DN3-400M	320		CM945160OQOOG	26270	1
	400		CM945160OR0OG	27560	1
DN3-630M	500		CM945150OSOOG	30340	1
	630		CM945150OTOOG	30860	1

Note: Please contact nearest branch office for fuseless type 2 co-ordination selection chart
For lower HP motors, Please select MPCB. Details are given on page no. 18
Add suffix as "OOOO" to all DZ1 cat. nos.



Representative Application Image

Give your motor the right protection

dsine-M is compact and it comes with a wide range of snap-fit accessories.
Why settle for anything else?



Cost Effective

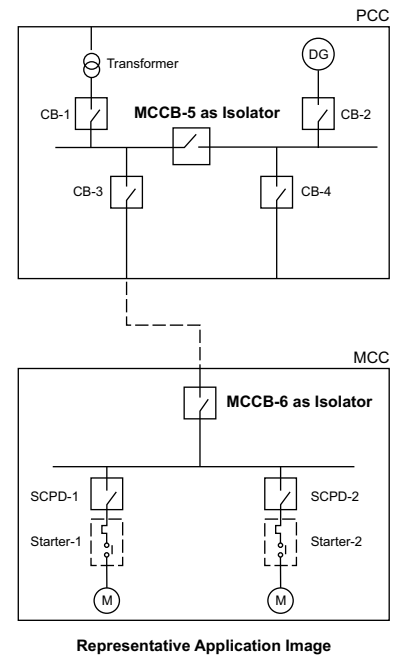
d sine
dsine-M range

d sine Switch Disconnecter - SD (MCCBs without protection release):



- Used as switching devices for isolation
- Range: 32A to 1250A, 3P & 4P
- Suitable for isolation
- Wide Range of snap fit Internal and External Accessories

Type	Current Rating (A)	3 Pole		4 Pole		Std. Pkg. (Nos.)
		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DN0-160SD	32	CM90716OOEO	6880	CM90717OOEO	9200	1
	63	CM90716OOHO	6880	CM90717OOHO	9200	1
	100	CM90716OOKO	8210	CM90717OOKO	10700	1
	125	CM90716OOL0	9080	CM90717OOL0	11900	1
	160	CM90716OOMO	9820	CM90717OOMO	12700	1
DN2-250SD	200	CM96814OON0OG	19500	CM96815OON0OG	26000	1
	250	CM96802OOP0OG	20800	CM96803OOP0OG	28100	1
DN3B-400SD	320	CM984100OQ0OG	31100	CM984120OQ0OG	40000	1
	400	CM984100OR0OG	31100	CM984120OR0OG	40000	1
DN3-630SD	500	CM96806OOS0OG	35300	CM96807OOS0OG	47700	1
	630	CM96806OOT0OG	35300	CM96807OOT0OG	47700	1
DN4-1250SD	800	CM93041OOUO	72300	CM93042OOUO	89200	1
	1000	CM93041OOVO	96000	CM93042OOVO	122900	1
	1250	CM93041OOAO	128000	CM93042OOAO	158300	1



Automatic Source Transfer System (ASTS)

- 128x80 pixel, backlit LCD screen with 4 grey levels
- Advanced programmable I/O function
- Management of automatic generator start/stop
- Controls of UV, OV, phase loss, asymmetry, minimum frequency, maximum frequency, with independent enabling and time delay

Automatic Transfer Controllers (ATC) [9032]

Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
AuXC-2000 controller**	ATC2000OOOO	31600	1

Can be used along with ACB, Motorised MCCBs, MCX contactors & Motorised Changeover switches

** Note: For communication version of AuXC controller refer page no-6



AuXC-2000

2 d sine MCCBs + 2 SE-EOM + 2 ATAC + 1 MIL kit

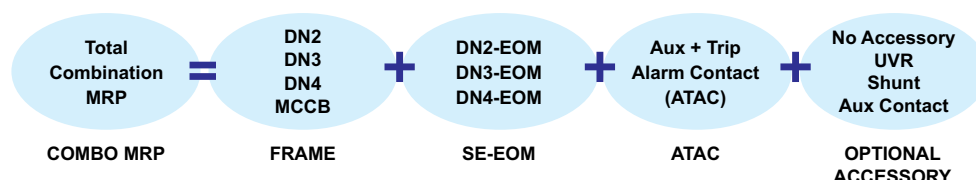
For AuXC 2000/2100 programming videos and more details please scan the QR code or click here



Frame	Accessories	Total Set M.R.P. (₹)	Remarks
DN2	2 Nos : SEOMs with Aux + Trip Alarm Contact + 1 No. : MIL + 1 No. : AuXC2000	110960	Add MRPs of Similar 2 MCCBs of DN2 of desired no. of Poles, Breaking Cap. & Release to arrive at ASTS Solution.
DN3-400		131760	Add MRPs of Similar 2 MCCBs of DN3 of desired no. of Poles, Breaking Cap. & Release to arrive at ASTS Solution.
DN3-630		132660	

Note: Picture shown is for representation purpose only, MCCB + EOM + ATAC combination, MIL kit & AuXC-2000 to be purchased separately & assembled at site.

d sine Motorised MCCB MRP Computation



Note:
Default MCCB Combination includes →
MCCB + SE-EOM + ATAC
For SE-EOM & its accessories MRPs refer to page no. 47



Accessories for MCCBs [8538]



Auxiliary Contact



TAC



Shunt Release



UV Release



Neutral CT



Direct ROM



Extended ROM



Key Lock

Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact [8538]			
DN0, DN1 - 1 C/O - Right	CM978860000	1100	1
DN0, DN1 - 2 C/O - Right	CM978870000	1950	1
DN2, DN3B, DN3, DN4 - 1 C/O	CM998010000	1280	1
DN2, DN3B, DN3, DN4 - 2 C/O	CM998020000	2480	1
Trip Alarm Contact [8538]			
DN0, DN1 - 1 C/O - Right	CM978880000	1100	1
DN0, DN1 - 2 C/O - Right	CM978890000	1950	1
DN2, DN3B, DN3, DN4 - 1 C/O - Right	CM998030000	1350	1
Auxiliary 1 C/O + TAC 1 C/O [8538]			
DN0, DN1 - Right	CM978900000	1880	1
DN2, DN3B, DN3, DN4 - Right	CM998040000	2480	1
Shunt Release [8538]			
DN0, DN1 - 24V DC - Left	CM914020400	2180	1
DN0, DN1 - 110V AC - Left	CM978830A00	2180	1
DN0, DN1 - 240/415V AC - Left	CM978830M00	2180	1
DN2, DN3 - 110V DC - Left	CM998070000	3860	1
DN2, DN3B, DN3, DN4 - 110/240/415V AC, 220V DC	CM998050000	3220@	1
DN2, DN3B, DN3 - 24V DC	CM989760400	3220@	1
Under Voltage Release [8538]			
DN0, DN1 - 240V AC - Left	CM97892B000	3620	1
DN2, DN3B, DN3 - 240V AC - Left	CM9986B0000	4470**	1
DN4 - 240V AC - Left	CM999060000	5100**	1

@ - 'NO' of control contactor to be connected in series for DC control supply

** Use these UV Cat. Nos. with Grey look MCCBs only

\$ For other voltages, please contact nearest branch office

* For additional accessories of DZ1 MCCBs, please contact nearest branch office

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
External Neutral CT [8504]			
DN2 - 40A	CM999460000	1910	1
DN2 - 63A	CM999470000	1910	1
DN2 - 100A	CM999480000	1910	1
DN2 - 160A	CM999490000	2730	1
DN2 - 250A	CM999500000	2730	1
DN3 - 400A	CM999540000	5580	1
DN3 - 630A	CM999550000	5580	1
DN4 - 800A	CM998890000	8560	1
DN4 - 1000A	CM998900000	8930	1
DN4 - 1250A	CM998910000	9900	1
Adaptor kit for External Neutral CT [8538]			
DN2 - 250	CM999940000	820	Set of 2
DN3 - 400	CM999950000	1650	Set of 2
DN3 - 630	CM999970000	1660	Set of 2
DN4 - 800	CM999960000	2860	Set of 2
DN4 - 1000	CM909660000	6050	Set of 4
DN4 - 1250	CM999980000	10300	Set of 2
Stored Energy Electrical Operating Mechanism [8538]			
DN2-240V AC*	CM981320000	33600	
DN3-240V AC*	CM981300000	42100	
DN4-240V AC*	CM902840000	64900	

* Available as customised factory-fitted solution, please contact nearest branch office

Note: For arriving at Motorised MCCB MRPs refer to page no. 46

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Rotary Handle [8538]			
DN0 Direct ROM	CM978950000	1410	1
DN1 Direct ROM	CM980400000	1510	1
DN2 Direct ROM	CM998290000	1560	1
DN3B, DN3 Direct ROM	CM998600000	2330	1
DN0 Extended ROM	CM978960000	1820	1
DN1 Extended ROM	CM980410000	1940	1
DN2 Extended ROM	CM998300000	2350	1
DN3B, DN3 Extended ROM	CM998610000	3830	1
DN4 Extended ROM	CM998840000	4860	1
Panel door mounted Key lock for Extended ROM # [8301]			
Type 1	CM99958T0000	6360	1
Type 2	CM99958T000A	6360	1
Type 3	CM99958T000B	6360	1
Type 12	CM99958T000C	6360	1
Type 23	CM99958T000D	6360	1

- Can be used with dsine & DU new look extended ROM



Spreader Terminals



MIL Kit - Base Mounted

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals [8538]			
DN0-100 - 3 Pole	CM977850000	435	Set of 6
DN0-125D - 3 Pole	CM9068700LO	565	Set of 6
DN1, DN2 - 250 - 3 Pole	ST980530000	1870	Set of 6
DN3B/DN3 - 400 - 3 Pole	ST980650000	3620	Set of 6
DN3-630 - 3 Pole	ST980540000	4190	Set of 6
DN4-800 - 3 Pole	CM9116100UO	8830	Set of 6
DN4-1000 - 3 Pole	CM9116100VO	17700	Set of 12
DN4-1250 - 3 Pole	CM9116100AO	34900	Set of 6
DN0-100 - 4 Pole	CM979210000	685	Set of 8
DN0-125D - 4 Pole	CM9068800LO	815	Set of 8
DN1, DN2 - 250 - 4 Pole	CM920070000	2480	Set of 8
DN3B/DN3-400 - 4 Pole	ST980660000	5200	Set of 8
DN3-630 - 4 Pole	CM920040000	5320	Set of 8
DN4-800 - 4 Pole	ST903620000	11300	Set of 8
DN4-1000 - 4 Pole	CM9006400VO	22500	Set of 16
DN4-1250 - 4 Pole	ST980580000	44700	Set of 8
Mechanical Interlock Kit - Base Plate [8538]			
DN2-250	CM997310000	7200	1
DN3-400	CM997320000	11000	1
DN3-630	CM998540000	11900	1
DIN rail kit [8538]			
DN0	CM909440000	160	1

Note: Phase Barriers are supplied along with MCCBs

Accessories for DZ1 MCCBs [8538]



Auxiliary Contact / TAC



Shunt Release



UV Release



Direct / Extended ROM



Key Lock



Spreaders



Rear Terminals

Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact / Trip Alarm Contact [8538]			
1 C/O	EM901100000	1100	1
Shunt Release [8538]			
415V AC	EM900320POO	2920	1
240V AC	EM900320BOO	2920	1
110V AC	EM900320AOO	2920	1
48V AC	EM900320JOO	2920	1
24V AC	EM900320GOO	2920	1
220V DC	EM9003202OO	2920	1
110V DC	EM9003201OO	2920	1
48V DC	EM9003205OO	2920	1
24V DC	EM9003204OO	2920	1
12V DC	EM9003203OO	2920	1
Under Voltage Release [8538]			
415V AC	EM90031POOO	3680	1
240V AC	EM90031BOOO	3680	1
110V AC	EM90031EOOO	3680	1
48V AC	EM90031JOOO	3680	1
24V AC	EM90031GOOO	3680	1

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Rotary Handle [8538]			
Direct ROM	EM902070000	1540	1
Extended ROM	EM902090000	2080	1
Panel door mounted Key lock for Extended ROM [8301]			
Type 1	EM990310000	5900	1
Type 2	EM99031000A	5900	1
Type 3	EM99031000B	5900	1
Type 12	EM99031000C	5900	1
Type 23	EM99031000D	5900	1
Spreader Terminals [8538]			
3 Pole	EM906090000	1760	Set of 6
4 Pole	EM906100000	2310	Set of 8
Rear Termination Kit - [8538]			
3 Pole Full Kit	EM911760000	4720	Set of 6
4 Pole Full Kit	EM911770000	6740	Set of 8

Note: Phase Barriers are supplied along with MCCBs



Neutral CT



Electrical Operating Mechanism



Plug-In Kit



MIL - Front Slider



MIL - Base Plate + cable

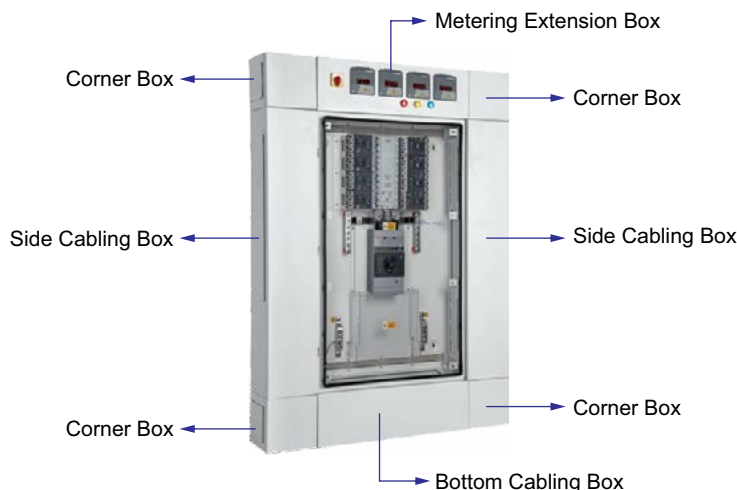
Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
External Neutral CT [8504]			
40A, 63A	EM905070000	2190	1
100A, 160A	EM905080000	2190	1
Adaptor kit for External Neutral CT [8538]			
40-160A	CM999400000	820	Set of 2
Electrical Operating Mechanism [8538]			
240V AC	EM90490B000	35900	1
Plug-In [8538]			
3 Pole Full Kit	EM902010000	9780	1
4 Pole Full Kit	EM902020000	13400	1

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Mechanical Interlock Options: [8538]			
Front Slider MIL	EM903960000	3800	1
MIL - Base Plate + Cable (for MCCBs without Rear Terminals)# :			
Base Plate \$	EM904040000	6810	1
L Cable (1m length) \$	EM004710000	1770	1
L Cable (3m length) \$	EM004740000	2680	1
L Cable (5m length) \$	EM004770000	3700	1
MIL - Base Plate + Cable (for MCCBs with Rear Terminals)# :			
Base Plate RT \$	EM904010000	7500	1
M Cable (1m length) \$	EM004720000	1770	1
M Cable (3m length) \$	EM004750000	2680	1
M Cable (5m length) \$	EM004780000	3700	1

\$ - 2 Nos of Base Plate & 1 No of suitable length of Cable must be ordered together along with 2 Nos of MCCBs.

- Common for 3P & 4P MCCBs.





Range Highlights

- Sub Main Distribution Board (SMDB) with MCCB as incomer and MCCBs as outgoing devices
- Conforms to IEC 61439-2
- DEKRA and ASTA certified
- Rating up to 630 A
- Short-time withstand current
 - 250A & 400A SMDB - 36 kA 1s
 - 630A SMDB - 50 kA 1s
- Ingress protection - IP 43
- Choice in number of outgoing ways - 4, 8, 12 and 16
- Ready to use, off the shelf solution
- Suitable for [cd sine](#) range of MCCBs
- Metering & cabling extensions are available as accessories

ENERSYS-S SMDB

Description	Cat. No.	No of ways		M.R.P. (₹) Per Unit	Height (H) (mm)	Width (W) (mm)	Depth (D) (mm)
		250A	100A				
SMDB - TN250D, O/G 100A 4 ways	DA20D1044CZZ0	-	4	53760	637	670	208.5
SMDB - TN250D, O/G 100A 8 ways	DA20D1084CZZ0	-	8	65385	787	670	208.5
SMDB - TN250D, O/G 100A 12 ways	DA20D1124CZZ0	-	12	82245	937	670	208.5
SMDB - TN250D, O/G 100A 16 ways	DA20D1164CZZ0	-	16	96655	1087	670	208.5
SMDB - TN400D, O/G 100A 4 ways	DA40D1044CZZ0	-	4	60240	937	670	208.5
SMDB - TN400D, O/G 100A 8 ways	DA40D1084CZZ0	-	8	68640	1087	670	208.5
SMDB - TN400D, O/G 100A 12 ways	DA40D1124CZZ0	-	12	88255	1237	670	208.5
SMDB - TN400D, O/G 100A 16 ways	DA40D1164CZZ0	-	16	104025	1387	670	208.5
SMDB - TN630D, O/G 100A 8 ways	DA60D1084CZZ0	-	8	113810	1287	870	208.5
SMDB - TN630D, O/G 100A 12 ways	DA60D1124CZZ0	-	12	153700	1507	870	208.5
SMDB - TN630D, O/G 100A 16 ways	DA60D1164CZZ0	-	16	168475	1507	870	208.5
SMDB - TN630D, O/G 250A 4 ways	DA62D1044CZZ0	4	-	110840	1067	870	208.5
SMDB - TN630D, O/G 250A 8 ways	DA62D1084CZZ0	8	-	124140	1287	870	208.5
SMDB - TN630D, O/G 250A 12 ways	DA62D1124CZZ0	12	-	159610	1507	870	208.5
SMDB - TN630D, O/G 250A 16 ways	DA62D1164CZZ0	16	-	178825	1727	870	208.5
SMDB - TN630D, O/G COMBI 4 ways	DA6AD1044CZZ0	2	2	108625	1067	870	208.5
SMDB - TN630D, O/G COMBI 8 ways	DA6AD1084CZZ0	2	6	118230	1287	870	208.5
SMDB - TN630D, O/G COMBI 12 ways	DA6AD1124CZZ0	2	10	156650	1507	870	208.5
SMDB - TN630D, O/G COMBI 16 ways	DA6AD1164CZZ0	2	14	172905	1507	870	208.5

Incoming Device [8536]			
SMDB Type	Description	Cat. No.	M.R.P. (₹) Per Unit
TN250D*	DN1-250C 3 Pole MCCB - 160A	CM90638OOMO	16900
	DN1-250C 3 Pole MCCB - 200A	CM90638OONO	21200
	DN1-250C 3 Pole MCCB - 250A	CM90638OPO	24200
TN400D	DN3-400D 3 Pole MCCB - 320A	CM94005OOQ1OG	36700
	DN3-400D 3 Pole MCCB - 400A	CM94005OOR1OG	36700
TN630D	DN3-630D 3 Pole MCCB - 500A	CM94006OOS1OG	47000
	DN3-630D 3 Pole MCCB - 630A	CM94006OOT1OG	47000

Note:

- While ordering SMDB, incoming and outgoing MCCBs have to be ordered separately.
- Prices of MCCBs are not included in SMDB prices.
- * TN250D - Suitable for DN1-250N, DU250 & DU250C MCCB as incomer.

Outgoing Device [8536]			
SMDB Type	Description	Cat. No.	M.R.P. (₹) Per Unit
TN250D, TN400D & TN630D	DN0-100C 3 Pole MCCB - 20A	CM91612OOCOOG	9270
	DN0-100C 3 Pole MCCB - 25A	CM91612OODOOG	9270
	DN0-100C 3 Pole MCCB - 32A	CM91612OOEOOG	9270
	DN0-100C 3 Pole MCCB - 40A	CM91612OOF0OG	9270
	DN0-100C 3 Pole MCCB - 50A	CM91612OOG0OG	9270
	DN0-100C 3 Pole MCCB - 63A	CM91612OOH0OG	9000
	DN0-100C 3 Pole MCCB - 80A	CM91612OOJOOG	9000
	DN0-100C 3 Pole MCCB - 100A	CM91612OOK0OG	9000
TN630D	DN1-250C 3 Pole MCCB - 160A	CM90638OOMO	16900
	DN1-250C 3 Pole MCCB - 200A	CM90638OONO	21200
	DN1-250C 3 Pole MCCB - 250A	CM90638OPO	24200

DN0, DU100D & DU100H MCCBs are suitable as outgoing devices up to 100 A
 DN1-250N, DU250 & DU250C MCCBs are suitable as outgoing devices up to 250 A

Metering, Bottom Cabling & Corner Box

- Provision of 3 nos of 1-phase ammeter (96*96), 1 nos of 1-phase voltmeter (96*96) with selector switch and indicating lamps.

SMDB Type	Description	Cat. No.	M.R.P. (₹) Per Unit
TN250D & TN400D	Metering Extension Box	CM9043900PO	8300
	Bottom Cabling Box	CM904370000	7780
TN630D	Metering Extension Box	CM9106400TO	8750
	Bottom Cabling Box	CM910620000	8230
TN250D, TN400D & TN630D	Corner Box	CM910890000	2890
	Mounting base	CM702600000	3900



Note:

- Ammeter, voltmeter, selector switch and indicating lights have to be ordered separately.
- Mounting base to be used without bottom cabling box.

Side Cabling Box

SMDB Type	No. of Ways		Left		Right	
	250A	100A	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
TN250D	-	4	CM910850DOO	7960	CM910860DOO	7960
	-	8	CM910850FOO	10280	CM910860FOO	10280
	-	12	CM910850HOO	12320	CM910860HOO	12320
	-	16	CM910850KOO	14380	CM910860KOO	14380
TN400D	-	4	CM910870DOO	12320	CM910880DOO	12320
	-	8	CM910870FOO	14380	CM910880FOO	14380
	-	12	CM910870HOO	15750	CM910880HOO	15750
	-	16	CM910870KOO	17800	CM910880KOO	17800
TN630D	-	8	CM911200OFO	14920	CM911210OFO	14920
	-	12	CM911200OHO	17380	CM911210OHO	17380
	-	16				
	4	-	CM911200ODO	13370	CM911210ODO	13370
	8	-	CM911200OFO	14920	CM911210OFO	14920
	12	-	CM911200OHO	17380	CM911210OHO	17380
	16	-	CM911200OKO	18940	CM911210OKO	18940
	2	2	CM911200ODO	13370	CM911210ODO	13370
	2	6	CM911200OFO	14920	CM911210OFO	14920
	2	10	CM911200OHO	17380	CM911210OHO	17380
	2	14				



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Ti & Enersys are design verified solution complying with latest IEC-61439 standard and available up to 5000A & 4000A rating respectively. It offers unique blend of quality, safety and standardization.

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- Complete range conforms to IS/IEC 60947-2 & IEC 60947-2
- Current Rating from **400A to 6300A** in **3 Frame sizes** for application voltages **upto 690V AC**
- Special ACB range available for Voltage Applications **upto 800V AC and 1000V AC[#]**
- Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed/Draw-out version
- Common Height & Depth across the range
- High short time fault withstand capacity, $I_{cu} = I_{cs} = I_{cw}$ for 1 sec for total selectivity
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- Neutral pole is 100% rated, option of 50% & 200% rated neutral also available
- Available in standard NRYB & RYBN/NBYR/BYRN configurations in 4 Pole ACBs **with on-site change facility**
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- Touch screen technology in UW-MTX4.5
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- Data communication on Modbus, Profibus & wireless Zigbee protocols
- Power & Harmonics measurement
- Temperature rise monitoring & protection
- Easy to integrate with HMI & PLC
- Add-on modules for advance protections
- Protection Releases conform to EMI/EMC standard



UW-MTX1.0



UW-MTX1G



UW-MTX1Gi



UW-MTX1.5G



UW-MTX1.5Gi



UW-MTX3.5/3.5EC/3.5H



UW-MTX4.5

Breaking Capacities Offered:

at 415V/440V AC (Please refer Catalogue for Breaking Capacities above 440V AC)

I _{cu} = I _{cs} = I _{cw} for 1 sec										
Rated current	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A	6300A
Frame-1	N : 50kA									
	S : 65kA									
	H : 80kA									
	UW1-08	UW1-10	UW1-12	UW1-16	UW1-20	UW1-25				
Frame-2	N : 50kA									New
	S : 65kA									
	H : 80kA									
	UW2-08	UW2-10	UW2-12	UW2-16	UW2-20	UW2-25	UW2-32	UW2-40		
Frame-3	H : 80kA									
	V : 100kA									
	UW3-08	UW3-10	UW3-12	UW3-16	UW3-20	UW3-25	UW3-32	UW3-40	UW3-50	UW3-63

Note: 400A & 630AACBs are also available on request. # Please contact the nearest branch office for more details of 1000V AC ACBs

UW 1 08 N X D 1 2 9 0 0[#]

UW1 800N 3P ED 1.5G BotV

Frame Size	
Frame - I	1
Frame - II	2
Frame - III	3

Current Ratings	
400A	04
630A	06
800A	08
1000A	10
1250A	12
1600A	16
2000A	20
2500A ⁽⁴⁾	25
3200A	32
4000A	40
5000A	50
6300A	63

Selection for Breaking Capacity (I _{cu} =I _{cs}) ⁽¹⁾	
50kA (Fr-I upto 2000A & Fr-II upto 3200A)	N
65kA (Fr-I & Fr-II)	S
80kA (Fr-I, Fr-II & Fr-III)	H
100kA (Fr-III)	V

Please Note :

⁽¹⁾ For I_{cu} values please refer product catalogue

⁽²⁾ Other options of control voltage are available as accessory

⁽³⁾ Temperature protection is available in UW-MTX3.5/3.5EC/3.5H/4.5

⁽⁴⁾ For Fr-1, 2500A selection, please contact the nearest branch office

⁽⁵⁾ For system requiring 690V metering, kindly order separate Power Metering module with MTX 3.5 (refer page 60)

Selection for Termination (For Drawout ACBs Only)

Standard Termination	0
For Top Horizontal (Long), Bottom Vertical for Fr2 & Fr3	X
For Top & Bottom Horizontal (Long) for Fr3	Y
Note: X is applicable for 4000A (Fr2 & Fr3) and 5000A (Fr3). Y is applicable for 4000A (Fr3) & 5000A (Fr3). X & Y recommended for Buscoupler only.	

Temperature Rise Monitoring⁽³⁾

Not Required	0
Required	1

Selection for P&C Units

B/C (w/o protection)	0
UW - MTX1.0	7
UW - MTX1G	8
UW - MTX1Gi	B
UW - MTX1.5G	9
UW - MTX1.5Gi	C
UW-MTX3.5	3
UW-MTX3.5EC ⁽⁵⁾	4
UW-MTX4.5	5
UW-MTX3.5H	6

Selection for control voltage⁽²⁾

For Manually Operated	0
240V AC/DC ECD & CR + 240V AC/DC SR	1
240V AC/DC ECD & CR + 24V DC SR	2
110V AC/DC ECD & CR + 110V AC/DC SR	3
240V AC/DC ECD & CR + 110V AC/DC SR	4

Version

Draw-out	D
Fixed	F

Selection for No. of Poles

3 Pole	X
4 Pole 100% N	F
4 Pole 50% N (in Fr-III only)	H
4 Pole 200% N (upto 2500A)	D

Draw-out Version : Omega ACBs with UW-MTX release will have inbuilt-

Current Metering (MTX 1.5G/1.5Gi/3.5/3.5EC/3.5H/4.5), Common Fault Indication microswitch, 4NO+4NC Aux. contacts, Smart-racking shutter, Safety shutter assembly, Racking Handle, Door sealing frame, Pad-locking arrangement for ON/OFF button, Rating Error Preventer, Arc shield.

A) For ratings upto 1600A, one side vertical terminal adaptors (Bottom) for Frame 1, 2 & 3.

B) For ratings 2000A & above, both side vertical terminal adaptors (Top & Bottom) for Frames 1, 2 & 3.

C) For rating 4000A and above operation counter inbuilt for Frames 2 & 3 both.

Fixed Version :

Omega ACBs with UW-MTX release will have inbuilt-

Current Metering (1.5G/1.5Gi/3.5/3.5EC/3.5H/4.5), Common Fault Indication microswitch, 4NO+4NC Aux. contacts, Door sealing frame & Pad-locking arrangement for ON/OFF push button.

A) For ratings upto 1600A, one side vertical terminal adaptors (Bottom) for Frames 1, 2 & 3.

B) For ratings 2000A & above, both side vertical terminal adaptors (Top & Bottom) for Frames 1, 2 & 3.

C) For ratings 4000A & above, operation counter inbuilt for Frames 2 & 3 both.

Electrically operated ACB includes ECD, CR & SR as per selection of above mentioned control voltage options.

3 Pole ACBs upto 690V AC with UW-MTX1G (LSING - BCD Switches) [8536]



Current Rating	Version	3 Pole Manual Draw-out ACB with UW-MTX1G							
		N (50kA @ 415 AC)		S (65kA @ 415 AC)		H (80kA @ 415 AC)		V (100kA @ 415 AC)	
		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
800A	MDO	UW108NXD01800	*	UW108SXD01800	*	UW108HXD01800	*	UW308VXD01800	*
1000A		UW110NXD01800		UW110SXD01800		UW110HXD01800		UW310VXD01800	
1250A		UW112NXD01800		UW112SXD01800		UW112HXD01800		UW312VXD01800	
1600A		UW116NXD01800		UW116SXD01800		UW116HXD01800		UW316VXD01800	
2000A		UW120NXD01800		UW120SXD01800		UW120HXD01800		UW320VXD01800	
2500A		UW225NXD01800		UW225SXD01800		UW225HXD01800		UW325VXD01800	
3200A		UW232NXD01800		UW232SXD01800		UW232HXD01800		UW332VXD01800	
4000A		New UW240NXD01800		UW240SXD01800		UW240HXD01800		UW340VXD01800	
4000A		-		-		UW340HXD01800		UW340VXD01800	
5000A		-		-		UW350HXD01800		UW350VXD01800	
6300A		-	-	-	-	UW363HXD01800	-	UW363VXD01800	-

3 Pole Manual Fixed ACB with UW-MTX1G									
800A	MF	UW108NXF01800	*	UW108SXF01800	*	UW108HXF01800	*	UW308VXF01800	*
1000A		UW110NXF01800		UW110SXF01800		UW110HXF01800		UW310VXF01800	
1250A		UW112NXF01800		UW112SXF01800		UW112HXF01800		UW312VXF01800	
1600A		UW116NXF01800		UW116SXF01800		UW116HXF01800		UW316VXF01800	
2000A		UW120NXF01800		UW120SXF01800		UW120HXF01800		UW320VXF01800	
2500A		UW225NXF01800		UW225SXF01800		UW225HXF01800		UW325VXF01800	
3200A		UW232NXF01800		UW232SXF01800		UW232HXF01800		UW332VXF01800	
4000A		New UW240NXF01800		UW240SXF01800		UW240HXF01800		UW340VXF01800	
4000A		-		-		UW340HXF01800		UW340VXF01800	
5000A		-		-		UW350HXF01800		UW350VXF01800	
6300A		-	-	-	-	UW363HXF01800	-	UW363VXF01800	-

M.R.P. changes for product customization	M.R.P. (₹) Per Unit
MDO to EDO or MF to EF Conversion kit (ECD + CR + SR)	*
Buscoupler (without protection release)	
UW-MTX1.0 (LSI - BCD Switches)	
UW-MTX1Gi (LSING + Inbuilt ZSI - BCD Switches)	
UW-MTX1.5G (LSING + Current Metering - BCD Switches)	
UW-MTX1.5Gi (LSING + Current Metering + Inbuilt ZSI - BCD Switches)	
UW-MTX3.5 (LSING + Current Metering) + can be upgraded for Power Metering & Communication	
UW-MTX3.5EC (LSING + Power Metering + Communication)	
UW-MTX3.5H (LSING + Power Metering + Harmonic Metering)	
UW-MTX4.5 (LSING + Power Metering + Harmonic Metering + Communication with Touch Screen navigation + UW-PS Module)	
UW-PS (Auxiliary power supply module for display in No-load or OFF condition) [§]	
COM Module (MODBUS) for communication [§]	
PM Module for power metering [§]	

* Available on request

§ Chapter ID [8538]

4 Pole ACBs upto 690V with UW-MTX1G (LSING - BCD Switches) [8536]



Current Rating	Version	4 Pole Manual Draw-out ACB with UW-MTX1G							
		N (50kA @ 415 AC)		S (65kA @ 415 AC)		H (80kA @ 415 AC)		V (100kA @ 415 AC)	
		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
800A	MDO	UW108NFD01800	*	UW108SFD01800	*	UW108HFD01800	*	UW308VFD01800	*
1000A		UW110NFD01800		UW110SFD01800		UW110HFD01800		UW310VFD01800	
1250A		UW112NFD01800		UW112SFD01800		UW112HFD01800		UW312VFD01800	
1600A		UW116NFD01800		UW116SFD01800		UW116HFD01800		UW316VFD01800	
2000A		UW120NFD01800		UW120SFD01800		UW120HFD01800		UW320VFD01800	
2500A		UW225NFD01800		UW225SFD01800		UW225HFD01800		UW325VFD01800	
3200A		UW232NFD01800		UW232SFD01800		UW232HFD01800		UW332VFD01800	
4000A		New UW240NFD01800	-	UW240SFD01800	-	UW240HFD01800	-	UW340VFD01800	-
4000A		-	-	-	-	UW340HFD01800	-	UW340VFD01800	-
5000A		-	-	-	-	UW350HFD01800	-	UW350VFD01800	-
6300A		-	-	-	-	UW363HFD01800	-	UW363VFD01800	-

4 Pole Manual Fixed ACB with UW-MTX1G									
800A	MF	UW108NFF01800	*	UW108SFF01800	*	UW108HFF01800	*	UW308VFF01800	*
1000A		UW110NFF01800		UW110SFF01800		UW110HFF01800		UW310VFF01800	
1250A		UW112NFF01800		UW112SFF01800		UW112HFF01800		UW312VFF01800	
1600A		UW116NFF01800		UW116SFF01800		UW116HFF01800		UW316VFF01800	
2000A		UW120NFF01800		UW120SFF01800		UW120HFF01800		UW320VFF01800	
2500A		UW225NFF01800		UW225SFF01800		UW225HFF01800		UW325VFF01800	
3200A		UW232NFF01800		UW232SFF01800		UW232HFF01800		UW332VFF01800	
4000A		New UW240NFF01800	-	UW240SFF01800	-	UW240HFF01800	-	UW340VFF01800	-
4000A		-	-	-	-	UW340HFF01800	-	UW340VFF01800	-
5000A		-	-	-	-	UW350HFF01800	-	UW350VFF01800	-
6300A		-	-	-	-	UW363HFF01800	-	UW363VFF01800	-

* Available on request

U-POWER

Accessories of OMEGA Air Circuit Breakers [8538]

Air Circuit Breakers

Terminal Adaptor configuration upto 690V AC



Draw-out ACBs Terminal Adaptors



Fix ACBs Terminal Adaptors

Description	Cat. No.	M.R.P. (₹) Per Unit
Terminal Adaptor for Draw-out Omega ACBs		
Frame-1 400-2000A N/S/H (Vertical / Horizontal)	CL609630000	*
Frame-1 2500A S/H (Vertical)	CL609640000	
Frame-2 400-3200A N/S/H (Vertical / Horizontal)		
Frame-2 4000A N/S/H (Vertical)	CL604200000	
Frame-2 4000A N/S/H (Horizontal)	CL603160000	
Frame-3 400-4000A H/V (Vertical) #	CL601280000	
Frame-3 400-4000A H/V (Horizontal-Long)	CL600730000	
Frame-3 5000A H/V (Horizontal-Long)	CL609660000	
Frame-3 5000A H/V (Vertical)#	CL600670000	
Frame-3 6300A H/V (Vertical) #	CL609650000	

Description	Cat. No.	M.R.P. (₹) Per Unit
Terminal Adaptor for Fixed Omega ACBs		
Frame-1 400-2000A N/S (Vertical / Horizontal)	CL609670000	*
Frame-1 400-2000A H (Vertical / Horizontal)	CL609680000	
Frame-1 2500A S/H (Vertical)	CL609760000	
Frame-2 400-2500A N/S (Vertical / Horizontal)	CL601220000	
Frame-2 400-3200A H, 3200A N/S (Vertical / Horizontal)	CL609770000	
Frame-2 4000A S/H (Vertical)	CL604170000	
Frame-3 400-4000A H/V (Vertical)#	CL604180000	
Frame-3 5000A H/V (Vertical)#	CL603470000	
Frame-3 400-5000A H/V (Horizontal-Long)	CL603730000	

: Please consider 4 terminal adaptors per phase.

: Please consider 4 terminal adaptors per phase.





800V AC ACBs with UW-MTX1G (LSING - BCD Switches) [8536]

Breaking Capacity @ 800V AC (Icu=Ics=Icw for 1s)



800V AC Manual Fix/Draw-out ACB with UW-MTX1G										
Current Rating	Frame	Breaking Capacity @ 800V AC	3P				4P			
			Fix		Draw-out		Fix		Draw-out	
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
800A	1	50kA	UW108NXF0180ZM	*	UW108NXD0180ZM	*	UW108NFF0180ZM	*	UW108NFD0180ZM	*
1000A			UW110NXF0180ZM		UW110NXD0180ZM		UW110NFF0180ZM		UW110NFD0180ZM	
1250A			UW112NXF0180ZM		UW112NXD0180ZM		UW112NFF0180ZM		UW112NFD0180ZM	
1600A			UW116NXF0180ZM		UW116NXD0180ZM		UW116NFF0180ZM		UW116NFD0180ZM	
2000A			UW120NXF0180ZM		UW120NXD0180ZM		UW120NFF0180ZM		UW120NFD0180ZM	
2000A	2	50kA	UW220NXF0180ZM	*	UW220NXD0180ZM	*	UW220NFF0180ZM	*	UW220NFD0180ZM	*
2500A			UW225NXF0180ZM		UW225NXD0180ZM		UW225NFF0180ZM		UW225NFD0180ZM	
3200A			UW232NXF0180ZM		UW232NXD0180ZM		UW232NFF0180ZM		UW232NFD0180ZM	
4000A			-		UW240NXD0180ZM		-		UW240NFD0180ZM	
3200A	3	50kA	UW332NXF0180ZM	*	UW332NXD0180ZM	*	UW332NFF0180ZM	*	UW332NFD0180ZM	*
4000A			UW340NXF0180ZM		UW340NXD0180ZM		UW340NFF0180ZM		UW340NFD0180ZM	
5000A			UW350NXF0180ZM		UW350NXD0180ZM		UW350NFF0180ZM		UW350NFD0180ZM	
3200A	3	65kA	UW332SXF0180ZM	*	UW332SXD0180ZM	*	UW332SFF0180ZM	*	UW332SFD0180ZM	*
4000A			UW340SXF0180ZM		UW340SXD0180ZM		UW340SFF0180ZM		UW340SFD0180ZM	
5000A			UW350SXF0180ZM		UW350SXD0180ZM		UW350SFF0180ZM		UW350SFD0180ZM	

Note: 1. Above mentioned Cat. No. of ACBs are without Terminal Adaptors. Please consider Terminal Adaptors from below table.

2. Phase-Barriers are mandatory to be used with 800V AC ACBs:

- (a) For Draw-out ACBs, Phase-Barriers are provided as standard supply along with ACBs
(b) For Fix ACBs, kindly consider Phase-Barriers from below table

M.R.P. changes for product customization	M.R.P. (₹) Per Unit
Buscoupler (without protection release)	*
UW-MTX1.0 (LSI - BCD switch for selection)	
UW-MTX1G (LSING - BCD switch for selection)	
UW-MTX1.5G (LSING + display - BCD switch for selection)	
UW-MTX3.5 (LSING + Display + Option for other features)	
UW-TM - Temperature Rise Module (for MTX3.5)	
MDO to EDO or MF to EF Conversion kit (ECD + CR + SR)	
COM Module (MODBUS) for communication	
UW-PS (Auxiliary power supply module for display in No-load or OFF condition)	

Terminal Adaptors for 800V ACBs [8538]

Current Rating	Frame	Fix			Draw-out		
		Cat. No.	M.R.P. (₹) Per Unit	Qty (3P/4P)	Cat. No.	M.R.P. (₹) Per Unit	Qty (3P/4P)
630A	1	CL609670000	*	(6/8)	CL609630000	*	(6/8)
800A		CL609670000		(6/8)	CL609630000		(6/8)
1000A		CL609670000		(6/8)	CL609630000		(6/8)
1250A		CL609670000		(6/8)	CL609630000		(6/8)
1600A		CL609670000		(6/8)	CL609630000		(6/8)
2000A		CL601220000		(6/8)	CL609640000		(6/8)
2000A	2	CL609770000	*	(6/8)	CL609640000	*	(6/8)
2500A		CL603180000		(6/8)	CL609640000		(6/8)
3200A		CL604170000		(6/8)	CL604190000		(6/8)
4000A		-		-	CL604200000		(6/8)
3200A	3	CL604180000	*	(12/16)	CL601280000	*	(12/16)
4000A		CL604180000		(12/16)	CL600670000		(12/16)
5000A		CL603470000		(12/16)	CL609650000		(12/16)



Phase-Barriers for 800V AC Fix ACBs [8538]

Cat. No.	Type	Pole	M.R.P. (₹) Per Unit	Qty. per ACB
CL912580000	Fix	3P	*	2
CL912590000	Fix	4P		2

Note: Please contact the nearest branch office for more details of 1000V AC ACBs

* Available on request

Accessories of **OMEGA** Air Circuit Breakers

U-POWER



Operation Counter



Door Interlock

Description	Cat. No.	M.R.P. (₹) Per Unit
Other Accessories [8538]		
Operation Counter	CL909830000#	*
Door Interlock	CL9097800000	
Electrical Position Indication (EPI)	CL9582600000	
Microswitches for Indication [8536]		
Microswitch for Common Fault Indication (CFI)	CL9094900000	*
Microswitch for Ready To Close Indication (RTC)	CL9095300000^	
Microswitch for Shunt Release	CL9095100000	
Microswitch for Undervoltage Release	CL9094700000	
Microswitch for Spring Charging Indication	ST4267200000	

^ Cradle SIC block CL9582500000 needs to be ordered separately, If EPI not installed in same ACB

Operation Counter inbuilt for rating 4000A to 6300A



R-Lock



C-Lock

Description	Cat. No.	M.R.P. (₹) Per Unit
Mechanical Interlock using Key & Lock\$		
R - Lock Type - 1	CL0065900000	*
R - Lock Type - 2	CL0066000000	
R - Lock Type - 3	CL0066100000	
R - Lock Type - 12	CL0066200000	
R - Lock Type - 23	CL0066300000	
Locking arrangement for OFF button with R - Lock (on breaker)	CL9081500000	
Locking arrangement for ISO position with R - Lock (on Cradle)	CL9086500000	
Locking arrangement for ANY position with R - Lock (on Cradle)	CL9092700000	
C - Lock Type - S	CL0066400000	
C - Lock Type - T	CL0066500000	
C - Lock Type - ST	CL0066600000	
C - Lock Type - SS	CL0066700000	
C - Lock Type - TT	CL0066800000	
Locking arrangement for OFF button with C - Lock (on breaker)	CL9081400000	
Locking arrangement for ISO position for C - Lock (on Cradle)	CL9098200000	
Locking arrangement for ANY position with C - Lock (on Cradle)	CL9098100000	

Note: For Mechanical Interlock using Key & Lock please order combination of Lock and Locking arrangement.

* Available on request \$ Only locks [8301] Locking arrangement [8538]



Closing Release



Shunt Release



UV Release

Description	Cat. No.	M.R.P. (₹) Per Unit
Electrical Charging Device (ECD) [8501]		
24-30V DC	CL903620000	*
48/60V DC	CL903630000	
110V AC / 110-125V DC	CL903600000	
220V AC / 200V DC	CL903640000	
240V AC / 250V DC	CL903590000	
415V AC / 400V DC	CL903610000	
Closing Release (CR) [8538]		
24-30V DC	CL908174000	*
48/60V DC	CL908175000	
110V AC / 110V DC	CL90817A000	
125/127V DC	CL908171000	
220 - 240V AC / 220 - 250V DC	CL90817B000	
415V AC	CL90817D000	
Shunt Release (SR) [8538]		
24-30V DC	CL908160400	*
48/60V DC	CL908160500	
110V AC / 110V DC	CL908160A00	
125/127V DC	CL908160100	
220 - 240V AC / 220 - 250V DC	CL908160B00	
415V AC	CL908160D00	
Under Voltage Release (UVR) with time delay (0-1-3-5 sec) [8538]		
24-30V DC	CL908184000	*
48V DC	CL908185000	
110V AC / 110V DC	CL90818A000	
240V AC / 220V DC	CL90818B000	
415V AC	CL90818D000	



NCT

Description	Cat. No.	M.R.P. (₹) Per Unit
External Neutral CT for UW-MTX Releases [8504]		
Frame-1, 2 & 3 400-800A	CL0071700000	*
Frame-1, 2 & 3 1000-1600A	CL0071800000	
Frame-1 2000-2500A	CL0071900000	
Frame-2 & 3 2000-4000A	CL0072000000	
Frame-3 5000-6300A	CL0072100000	

Automatic Transfer Controllers (ATC) [9032]



AuXC-2000 Controller

Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
AuXC-2000 controller**	ATC20000000	31600	1

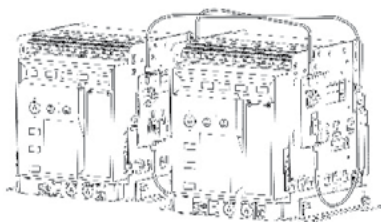
Can be used along with ACB, Motorised MCCBs, MCX contactors & Motorised Changeover switches

** Note: For communication version of AuXC controller refer page no-6



For AuXC 2000/2100 programming videos and more details please scan the QR code or click here

Accessories of **OMEGA** Air Circuit Breakers



Mechanical Interlock using Bowden Cable [8538]

Description	Cat. No.	M.R.P. (₹) Per Unit
Mechanical Interlock using Bowden Cable (5 meters length)		
Between 2 Incomers	CL906630000	*
Between 3 Incomers	CL906640000	
Between 2 Incomers & 1 Standby	CL906650000	
Between 2 Incomers & 1 Buscoupler	CL906660000	
Mechanical Interlock using Bowden Cable (3 meters length)		
Between 2 Incomers	CL906590000	*
Between 3 Incomers	CL906600000	
Between 2 Incomers & 1 Standby	CL906610000	
Between 2 Incomers & 1 Buscoupler	CL906620000	
Mechanical Interlock using Bowden Cable (2 meters length)		
Between 2 Incomers	CL908100000	*
Between 3 Incomers	CL908110000	
Between 2 Incomers & 1 Standby	CL908120000	
Between 2 Incomers & 1 Buscoupler	CL908130000	

Note: Common from 400A to 6300A and can be interlocked between Fixed / Draw-out / Mixed version

* Available on request



MODBUS Module



Power Metering Module

Description	Cat. No.	M.R.P. (₹) Per Unit
MATRIX Releases & Modules [8538]		
UW-MTX1.0	CL919660000	*
UW-MTX1G	CL919710000	
UW-MTX1Gi	CL905620000	
UW-MTX1.5G	CL919650000	
UW-MTX1.5Gi	CL905520000	
UW-MTX3.5	CL906450000	
UW-MTX3.5EC	CL906440000	
UW-MTX3.5H	CL906460000	
UW-MTX4.5	CL906470000	
Power supply module	CL907220000	
Relay Module	CL907160000	
MODBUS Module	CL907090000	
Profibus Module	CL902950000	
Matrix Smart Card Module	CL907050000	
Power Metering Module (415V)	CL906490000	
Power Metering Module (690V)	CL906850000	
ZSI Module	CL907180000	
TCS Module	CL907190000	
EL Module	CL907200000	
REF Module	CL907210000	
Simulation Kit	CL907240000	

For Energy Management Communication Software Please contact the nearest branch office

Upgrade to the new-age OMEGA ACB with Minimal Modifications



Pre-Engineered Retrofit Solution
Upgrade E&A CNCS ACB to OMEGA ACB



Presenting the pre-engineered L&T Electrical & Automation (E&A) CNCS to OMEGA Retrofit kit

The E&A CNCS to OMEGA Retrofit kit is a pre-engineered solution which allows you to upgrade from the old CNCS ACB to the advanced E&A OMEGA ACB - with minimal modification. All installations are done by trained Engineers from the nearest E&A Authorised Service Centre to ensure total reliability and minimum shut-down time.

Specifications

- ETP grade Copper links with Silver Plating
- CNCS to OMEGA Retrofit solution is available from 800A to 3200A



For more details please
scan the QR code or click here

Customer Interaction Center (CIC)

BSNL / MTNL (toll free): 1800 233 5858 Reliance (toll free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com

For retrofitting of any ACB to Omega ACB please contact the nearest branch office

C-POWER Air Circuit Breakers

C-POWER S1 Range of Air Circuit Breakers

- Conforms to IS/IEC 60947-2 & IEC 60947-2
- Current rating from 400A to 3200A
- Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed & Draw-out versions
- High short time withstand capacity, $I_{cu} = I_{cs} = I_{cw}$ for 1 sec for total selectivity
- High mechanical and electrical operating life
- 100% rated neutral pole
- Common height and depth across the range
- Protection through Thermal - Magnetic (DN1) & Microprocessor releases (SR18G, SR18G+D & SR18Gi+D)
- Self diagnostic Microprocessor based Releases with on-load testing through TEST button
- Inbuilt thermal memory
- Protection Releases conform to EMI/EMC standards
- Breaker Status and Control through MODBUS protocol (UN-CO module)



C-POWER S1 ACB



C-POWER ACB

C-POWER Range of Air Circuit Breakers

- Conforms to IS/IEC 60947-2 & IEC 60947-2
- Current rating from 800A to 6300A
- Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed & Draw-out versions
- High short time fault withstanding capacity, $I_{cu} = I_{cs} = I_{cw}$ for 1 sec for total selectivity
- High mechanical and electrical operating life
- 100% rated neutral pole
- Protection through Thermal - Magnetic (DN1) & Microprocessor releases (SR18G, SR18G+D, SR18Gi+D & SR71)
- Self diagnostic Microprocessor based Releases with on-load testing through TEST button
- Inbuilt thermal memory
- Protection Releases conform to EMI/EMC standards
- Data communication & Power Management
- Breaker Status and Control through MODBUS protocol (UN-CO module)

C-POWER HE ACBs for Harsh Environment

- Designed to operate at peak efficiency in Sulphur-rich environments
- Range 1250A to 5000A, 415/690V ac
- Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed and Draw-out versions
- Protection through Microprocessor release
- Operates reliably in 3C4 environmental conditions of SO₂ and H₂S

Please contact the nearest branch office for Details & product Selection



C-POWER HE Range

Breaking Capacities Offered:

Icu = Ics = Icw for 1 sec											
	630A	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A	6300A
CN-CS : E / G	50kA	50kA	50kA	50kA	50kA	50kA					
	Frame-1										
CN-CS : S1	50kA	50kA	50kA	50kA	50kA	50kA	60kA	60kA			
	Frame-1						Frame-2				
CN-CS : C		50kA	50kA	50kA	50kA	55kA	60kA			95kA	95kA
CN-CS : H		65kA	65kA	65kA	65kA	75kA	75kA				
CN-CS : H2								75kA	75kA		
CN-CS : H / H1								100kA	100kA		
CN-CS : HE				50kA		60kA		75kA		95kA	
	Frame-1				Frame-2		Frame-3		Frame-4		

For technical & dimension details please refer product catalogue. 400A ACB also available on request.



C-POWER Air Circuit Breakers [8536]



C-POWER S1 3 & 4 Pole Draw-out ACBs

Rating	Breaking Capacity Icu=Ics=Icw (1 sec)	Version
630A	50kA	MDO
		EDO
800A	50kA	MDO
		EDO
1000A	50kA	MDO
		EDO
1250A	50kA	MDO
		EDO
1600A	50kA	MDO
		EDO
2000A	50kA	MDO
		EDO
2500A	60kA	MDO
		EDO

Microprocessor Based SR18G			
3 Pole		4 Pole	
Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
SL96041	204200	SL96061	256200
SL96051	254900	SL96071	306900
SL96042	204200	SL96062	256200
SL96052	254900	SL96072	306900
SL96043	212400	SL96063	268400
SL96053	263100	SL96073	319100
SL96044	234300	SL96064	295600
SL96054	285000	SL96074	346300
SL96045	267200	SL96065	328600
SL96055	317900	SL96075	379300
SL96046	313800	SL96066	385500
SL96056	364500	SL96076	436200
SL96047	387900	SL96067	467500
SL96057	438600	SL96077	518200

Thermal-Magnetic DN1			
3 Pole		4 Pole	
Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
SL95331	199200	SL95351	251200
SL95341	249900	SL95361	301900
SL95332	199200	SL95352	251200
SL95342	258100	SL95362	301900
SL95333	207400	SL95353	263400
SL95343	258100	SL95363	314100
SL95334	229300	SL95354	290600
SL95344	280000	SL95364	341300
SL95335	262200	SL95355	323600
SL95345	312900	SL95365	374300
SL95336	308800	SL95356	380500
SL95346	359500	SL95366	431200
SL95337	382900	SL95357	462500
SL95347	433600	SL95367	513200

Note : Add a Suffix "OOOO" for all the above mentioned cat. nos.

C-POWER S1 3 & 4 Pole Fixed ACBs

Rating	Breaking Capacity Icu=Ics=Icw (1 sec)	Version
630A	50kA	MF
		EF
800A	50kA	MF
		EF
1000A	50kA	MF
		EF
1250A	50kA	MF
		EF
1600A	50kA	MF
		EF

Microprocessor Based SR18G			
3 Pole		4 Pole	
Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
SL95561	125300	SL95581	159700
SL95571	175300	SL95591	209700
SL95562	125300	SL95582	159700
SL95572	175300	SL95592	209700
SL95563	136900	SL95583	172700
SL95573	186900	SL95593	222600
SL95564	157600	SL95584	197000
SL95574	207600	SL95594	247000
SL95565	174800	SL95585	224800
SL95575	224800	SL95595	274700

Thermal-Magnetic DN1			
3 Pole		4 Pole	
Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
SL95481	120300	SL95501	154700
SL95491	170300	SL95511	204700
SL95482	120300	SL95502	154700
SL95492	170300	SL95512	204700
SL95483	131900	SL95503	167700
SL95493	181900	SL95513	217600
SL95484	152600	SL95504	192000
SL95494	202600	SL95514	242000
SL95485	169800	SL95505	219800
SL95495	219800	SL95515	269700

Note : Add a Suffix "OOOO" for all the above mentioned cat. nos.

M.R.P. changes for product customization w.r.t. SR18G ACB M.R.P.		M.R.P. (₹) Per Unit
Bus - Coupler (w/o protection)	Reduce	13000
Microprocessor based SR18G+D (LSING + Current Metering)	Add	15000
Microprocessor based SR18Gi+D (LSING + Current metering + ZSI)	Add	18000

C-POWER S1 Draw-Out ACBs will have inbuilt - 2NO+2NC Aux contact for MDO & 6NO+6NC Aux contact for EDO breakers, Safety shutter assembly, Racking handle, Door sealing frame, Push-button cover & Rating error preventor.

C-POWER S1 Fixed ACBs will have inbuilt - 2NO+2NC Aux contact for MF & 6NO+6NC Aux contact for EF breakers, Door sealing frame & Push-button cover.

Electrical version includes 240V AC Shunt trip coil, Closing coil and Motor for electrical charging.

Note: 1 NO Aux contact in manual version & 2NO+2NC in electrical version breakers will be pre-wired with accessories mounted in breaker.

In electrically operated breaker with DN1 release, either earth fault or undervoltage protection can be used.

CN-CS...E Range 3 Pole Manual Fixed

Rating	Breaking Capacity Icu=Ics=Icw (1 sec)	Version
400A	50kA	3P MF
630A	50kA	3P MF
800A	50kA	3P MF
1000A	50kA	3P MF
1250A	50kA	3P MF
1600A	50kA	3P MF
2000A	50kA	3P MF

Thermal-Magnetic Release Type DN1	
Cat. No.	M.R.P. (₹) Per Unit
SL957210000	82300
SL957220000	83000
SL957230000	87900
SL957240000	90100
SL957250000	118100
SL957260000	124300
SL932970000	142700

C-POWER Air Circuit Breakers [8536]



C-POWER 3 & 4 Pole Draw-out ACBs

Rating	Breaking Capacity I _{cu} =I _{cs} =I _{cw} (1 sec)	Version	Type	Microprocessor Based SR18G				Thermal-Magnetic DN1			
				3 Pole		4 Pole		3 Pole		4 Pole	
				Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
800A	65kA	MDO	H	SL95311	342700	#	444100	#	337700	#	439100
		EDO	H	SL95321	393400	#	494800	#	388400	#	489800
1000A	65kA	MDO	H	SL95312	349000	#	472000	#	344000	#	467000
		EDO	H	SL95322	399700	#	522700	#	394700	#	517700
1250A	65kA	MDO	H	SL95313	381600	#	506100	#	376600	#	501100
		EDO	H	SL95323	432300	#	556800	#	427300	#	551800
1600A	65kA	MDO	H	SL95314	429400	#	557200	#	424400	#	552200
		EDO	H	SL95324	480100	#	607900	#	475100	#	602900
2000A	75kA	MDO	H	SL95315	483700	#	611400	#	478700	#	606400
		EDO	H	SL95325	534400	#	662100	#	529400	#	657100
2500A	75kA	MDO	H	SL95316	493900	#	595900	#	488900	#	590900
		EDO	H	SL95326	544600	#	646600	#	539600	#	641600
3200A	75kA	MDO	H2	SL94822	492400	SL94826	604300	SL94814	487400	SL94818	599300
		EDO	H2	SL94824	543100	SL94828	655000	SL94816	538100	SL94820	650000
4000A	75kA	MDO	H2	SL94823	570000	SL94827	739400	SL94815	565000	SL94819	734400
		EDO	H2	SL94825	620700	SL94829	790100	SL94817	615700	SL94821	785100
5000A	95kA	MDO/EDO	C	#	*	#	*	#	*	#	*
6300A	95kA	MDO/EDO	C	#	*	#	*	#	*	#	*

Note: For higher breaking capacities & 690V AC application please contact the nearest branch office
Add a Suffix "OOOO" for all the above mentioned cat. nos.

C-POWER 3 & 4 Pole Manual Fixed ACBs

Rating	Breaking Capacity I _{cu} =I _{cs} =I _{cw} (1 sec)	Version	Type	Microprocessor Based SR18G				Thermal-Magnetic DN1			
				3 Pole		4 Pole		3 Pole		4 Pole	
				Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
800A	50kA	MF	C	*				*			
1000A	50kA										
1250A	50kA										
1600A	50kA										
2000A	55kA			SL97635	240200	#	311600	SL93005	235200	#	306600
2500A	60kA			SL97636	264700	#	356800	SL93006	259700	#	351800

Note: For higher breaking capacities & 690V AC application please contact the nearest branch office
Add a Suffix "OOOO" for all the above mentioned cat. nos.

M.R.P. changes for product customization w.r.t. SR18G M.R.P.		M.R.P. (₹) Per Unit
Bus-Coupler (w/o protection)	Reduce	13000
Microprocessor based SR18G+D (LSING + Current Metering)	Add	15000
Microprocessor based SR18Gi+D (LSING + Current metering + ZSI)	Add	18000
Microprocessor based SR71 (LSING + Current metering + Advance protection + PS Module)	Add	*
Communication Module (MODBUS) for SR71 release (SR71 - COM) ^{\$}	SL94698OOOO	
Power Metering Module for SR71 release (SR71 - PM) ^{\$}	SL94699OOOO	

^{\$} Chapter ID [8538]

C-POWER Draw-Out ACBs will have inbuilt - 6NO+6NC Aux contact, Safety shutter assembly, Racking handle, Door sealing frame, Push-button cover & Rating Error preventor. Option of horizontal & vertical termination upto 4000A also available. Operation counter for 4000A & above.
EDO version includes 240V AC Shunt trip coil, Closing coil and Motor for electrical charging.

C-POWER Fixed ACBs will have inbuilt - 6NO+6NC Aux contact, Door sealing frame & Push-button cover. Operation counter for 4000A & above.

Note: 1 NO Aux contact in manual version & 2NO+2NC in electrical version breakers will be pre-wired with accessories mounted in breaker.

In electrically operated breaker with DN1 release, either earth fault or undervoltage protection can be used.

Note: Electrical Fixed type breakers are available on request.

Available on "Made to order" basis. * Available on request



Accessories of C-POWER Air Circuit Breakers

Accessories (Common for C-POWER Family)



AN1 Module



LTPB



LIP



Shunt Release



UV Release

Description	Cat. No.	M.R.P. (₹) Per Unit
Lockable Trip Push Button (LTPB) [8301]		
Type AA	SL93148000A	4800
Type BB	SL93148000B	4800
Type CC	SL93148000C	4800
Type DD	SL93148000D	4800
Lockable Trip Push Button kit (3 I/C & 2 B/C)	SL919360000	24000
Locking of ACB in Isolated position (LIP) [8301]		
Type A	SL93146000A	4800
Type B	SL93146000B	4800
Type C	SL93146000C	4800
Type D	SL93146000D	4800
Locking of ACB in Any position (LAP) [8301]		
Type A	SL93147000A	4800
Type B	SL93147000B	4800
Type C	SL93147000C	4800
Type D	SL93147000D	4800
Racking Interlock [8301]		
Type AA	SL93149000A	6610
Type BB	SL93149000B	6610
Type CC	SL93149000C	6610
Type DD	SL93149000D	6610
Padlock [8301]		
Racking Padlock Assembly	CL900250000	2240
Other Accessories [8538]		
Door Interlock	SL931500000	3520
Mechanical Operation Counter*	XM808370000	3480
Mounting Kit for Front Mounted Counter	SL958820000	1230
Spring Charge Indication Microswitch	SL960000000	2790

* For mounting the Operation counter, mounting kit "SL958820000" needs to be ordered separately. Operation Counter inbuilt for rating 4000A to 6300A.



Vertical Terminal Adaptor

Description & Rating	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Vertical Terminal Adaptors for Draw out C-POWER ACB [8538]			
400-1250 S1/800-1000 C	SL932810000	5980	1
1600-2000 S1/1250-1600 C/800-1600 H	SL932820000	7260	1
2000 C	SL932840000	10700	1
2000 H/2500 C/H	SL932850000	11200	1
2500 S1	SL932890000	11200	1
3200 S1	SL932860000	13800	1
3200H2/H1, 4000H2/H	SL932880000	33400	1

Description	Cat. No.	M.R.P. (₹) Per Unit
Shunt Release (SR) [8538]		
Type EA : 24/48V DC	SL927180400	3750
Type EA : 110V DC	SL927180100	3750
Type EA : 220V DC	SL927180200	3750
Type EA1 : 110V AC	SL927180A00	3750
Type EA1 : 240V AC	SL927180B00	3750
Type EA1 : 415V AC	SL927180D00	3750
Under Voltage Release (UVR) [8538]		
Type MV : 24V DC	ST368770000	5410
Type MV : 240V AC	SL92720B000	5410
Type MV : 415V AC	SL92720D000	5410
Earth Fault Release (for DN1) [8538]		
Type EF1 (10%, 20% In)	SL913400000	4790
Type EF2 (30%, 40%, 50% In)	SL913410000	4790
Remote Fault Indication [8538]		
AN1 Remote Annunciation Module for SR18G/SR18G+D/SR18Gi+D : 240V AC	SL946540000	11600
Microswitches for Indication [8536]		
Microswitch for Voltmetric Releases (2) each	SL927030000	2970
Microswitch for Common Indication of O/L & S/C (3) each	SL927040000	2970
Microswitch for Separate Indication of O/L & S/C (3) each (for DN1 release)	SL927050000	4960
Service Position Microswitch - Right (2)	SL931420000	2010
Service Position Microswitch - Left (2)	SL931430000	2010
Test or Isolated Position Microswitch - Right (2)	SL931440000	2010
Test or Isolated Position Microswitch - Left (2)	SL931450000	2010

Note :

- The Numerical in brackets, against various accessories indicate the SICs required for wiring purpose in Draw-Out breakers
- Shunt release requires one set of auxiliary contacts
- Maximum 24 SICs can be fitted on an ACB. In Electrical ACBs 5 SICs are prewired for control circuit purpose



UN-CO module [8538]

Features

- Remote Status & Control of ACB
- Communicates on MODBUS Protocol
- Inbuilt RS485 Port

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
UN-CO module for Breaker control	CL908520000	13800	1

Spares of C-POWER Air Circuit Breakers

Protection Releases



SR71



SR18G+D/SR18Gi+D



SR18G



DN1



Universal Test Kit



CT

Description	Cat. No.	M.R.P. (₹) Per Unit
Protection Releases [8538]		
Microprocessor based type SR71	On Request	
Microprocessor based type SR18Gi+D	SL948130000	63000
Microprocessor based type SR18G+D	SL948120000	60000
Microprocessor based type SR18G	SL960300000	45000
Thermal-Magnetic Release type DN1	SL931520000	40000
Universal Test Kit	CL904620000	110400

Universal Test Kit

Compatible with following L&T Protection Releases:

- SR protection releases of C-Power ACB family
- UNRS protection releases of U-Power ACB family
- MTX and RC releases of D-Sine MCCB family

Upgrade to high end communicable Release SR71

Retrofit kit solutions are available

For further details please contact the nearest branch office

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CTs for SR18G / SR18G+D / SR18Gi+D [8504]			
400 S1 Fix & Draw-out	SL015230000	7070	1
630 S1 Fix & Draw-out	ST374950000	7070	1
800 C/H/S1 Fix & Draw-out	SL018570000	7070	1
1000 C/H/S1 Fix & Draw-out	SL018580000	7070	1
1250 C/H/S1 Fix & Draw-out	SL905710000	8560	1
1600 C/H/S1 Fix & Draw-out	SL905720000	8560	1
2000 C/H Fix & Draw-out	SL905650000	9490	1
2000 S1 Draw-out	SL932100000	9490	1
2500 C/H Fix & Draw-out	SL905660000	9490	1
2500 S1 Draw-out			
3200 H2/H1 Draw-out	SL017400000	10900	1
4000 H2/H Draw-out	SL017390000	13100	1

For External Neutral C.T.s please use the above Cat. No.

Protect your equipment in Sulphur-rich environments



L&T Electrical & Automations HE range of Air Circuit Breakers (ACBs) and Switch-Disconnecter-Fuse (S-D-F) are designed to ensure that they operate at peak efficiency for their entire lifespan in harsh, Sulphur-rich environments.

For more details please scan the QR code or click here



C-POWER HE Air Circuit Breaker

- Range 1250A to 5000A, 415/690V ac
- Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed & Draw-out versions
- Protection through Microprocessor release



FN BOLTED HE Switch-Disconnecter-Fuse

- Range 32A to 630A, 415V ac, AC 23A
- TPN version suitable for Bolted Fuse Link
- Door Interlocking & Padlocking facility



Customer Interaction Center (CIC)

BSNL / MTNL (toll free): 1800 233 5858 Reliance (toll free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com

Where continuity is crucial

The S-Line Busbar Trunking System from L&T Electrical & Automation provides reliable, safe and economic distribution solutions for commercial spaces.



Clarity/122014/8P

Key Features:

- Minimum transmission loss when compared to cables
- Current Rating: 250A to 6300A
- Rated Insulation Voltage - 1000V
- Class-F Halogen free insulation with RoHS compliance
- Maintenance free block set joints
- Enclosure: G.I. or Aluminium
- Ingress protection: IP-54, IP-55, IP-66
- Plug-in boxes with interlocking
- Excellent short circuit ratings up to 100kA

S-Line
Busbar Trunking System

Customer Interaction Center (CIC)

BSNL / MTNL (toll free): 1800 233 5858 Reliance (toll free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com



ENGINEERED FOR ENDURANCE BUILT TO WITHSTAND TOUGH CONDITIONS



LTXL Capacitor



Designed to operate at
Temperature upto 70°C



3 x In Over Current
withstand capacity



Highest 500 x In
Inrush current
withstand capacity.



Special Stainless
Steel Earthing pad
corrosion proof.



Glazed ceramic
bushing provide
better protection.



Enhanced Durability

Customer Interaction Center (CIC)

BSNL/MTNL(toll free):1800 233 5858 Reliance (toll free):1800 200 5858

Tel: 022 6774 5858 Email:cic@Lntbg.com Web: Lntbg.com



Power Factor Correction Capacitors [8532]

Parameters	Standard Duty		Heavy Duty		HD Plus Gas Filled	Super Heavy Duty	APP	LTXL Ultra Heavy Duty	
	Cylindrical	Box	Cylindrical	Box	Cylindrical	Cylindrical	Box	Cylindrical	Box
Over current withstand capability	1.5 x In	1.5 x In	1.8 x In	1.8 x In	1.8 x In	2.5 x In	2.5 x In	3 x In	3 x In
Operating losses	0.45 W/kVAr	0.45 W/kVAr	0.5 W/kVAr	0.35 W/kVAr	0.35 W/kVAr	0.45 W/kVAr	0.5 W/kVAr	0.45 W/kVAr	0.35 W/kVAr
Peak Inrush current withstand capability	200 x In	200 x In	250 x In	300 x In	250 x In	350 x In	300 x In	500 x In	500 x In
Number of switching operations per year	5000	5000	7500	8000	8000	15000	10000	18000	20000
Max. Temperature	55°C	55°C	55°C	55°C	55°C	65°C	55°C	65°C	70°C
Operating life	100000 hrs.	100000 hrs.	130000 hrs.	150000 hrs.	150000 hrs.	200000 hrs.	200000 hrs.	300000 hrs.	300000 hrs.

Standard Duty Capacitors

Features :

- Finger proof Sigut terminal in Cyl capacitor
- 150% continuous current carrying capacity
- Self-Healing property
- Soft resin as coolant
- Inbuilt Over Pressure Disconnecter (OPD)



Type	kVAr Rating	Voltage (V)	M.R.P. (₹) per kVAr
Cylindrical 1 to 6 kVAr - Series : LTCCF 7.5 to 33.1 kVAr - Series : LTCCD	1 to 25	440	266
	1.2 to 27.7	480	266
	1.3 to 33.1	525	266
Box 1 to 6 kVAr - Series : LTBCF 7.5 to 33.1 kVAr - Series : LTBCD	1 to 30	440	304
	11.1 to 27.7	480	304
	13.2 to 33.1	525	304

Heavy Duty Capacitors

Features :

- 180% continuous current carrying capacity
- Self-Healing property
- Soft resin as coolant
- Inbuilt over pressure disconnecter (OPD)
- Finger proof Sigut terminal in Cyl capacitor
- Low losses



Type	kVAr Rating	Voltage (V)	M.R.P. (₹) per kVAr
Cylindrical Series: LTCCH	1 to 4	440 V	508
	5 to 15		467
	20 to 30		455
	5.5 to 16.6	480 V	467
	22.1 & 27.7		455
	6.6 to 16.6	525 V	467
	20 to 33.1		455
Box Series: LT BCH	1 to 4	440 V	565
	5 to 15		479
	20 to 50		469
	5.5 to 15	480 V	503
	20 to 27.7		493
	6.6 to 15	525 V	503
	20 to 33.1		493

HD Plus Gas Filled Capacitor

Features :

- High inrush current carrying capacity 300 x In
- Inert gas as coolant (Non-flammable)
- Self-Healing property
- Inbuilt Over Pressure Disconnecter (OPD)
- Finger proof Sigut terminal in Cyl capacitor
- Long life



Type	kVAr Rating	Voltage (V)	M.R.P. (₹) per kVAr
Cylindrical Series: LTCCN	3 to 5	440	606
	7.5 to 15		495
	20 & 25		460
	7.5 to 15	480	495
	20 to 30		460
	7.5 to 15	525	495
	20 to 33.1		460

Power Quality Solutions

**Super Heavy Duty Capacitors



Type	kVAr Rating	Voltage (V)	M.R.P. (₹) per kVAr
**Cylindrical Series: LTCCR	3 to 5	440 V	613
	7.5 to 15		501
	20 & 25		474
	1.2 to 5.5	480 V	556
	11.1 & 15		548
	20 to 27.7		497
	1.3 to 5	525 V	656
	6.6 to 15		558
	20 to 33.3		507

APP Capacitors

Features :

- High over current withstand capacity 2.5 x In
- High Inrush current withstand capacity 300 x In
- Glazed ceramic bushing
- Tinned Copper studs



Type	kVAr Rating	Voltage (V)	M.R.P. (₹) per kVAr
Box Series: LTBCP	5 to 15	440 V	808
	20 to 50		782
	5.5 to 13.8	480 V	808
	16.6 to 55.3		782
	6.6 & 13.2	525 V	808
	16.6 to 66.2		782

LTXL - Ultra Heavy Duty Capacitors

Features :

- High over current withstand capacity 3 x In
- High Inrush current withstand capacity 500 x In
- Glazed ceramic bushing (In box type capacitor)
- Lower thermal impedance
- Designed to operate at temperature up to 70°C



Type	kVAr Rating	Voltage (V)	M.R.P. (₹) per kVAr
**Cylindrical Series : LTCCU	5 to 15	440V	1034
	20 & 25		1017
	7.5 to 15	480V	1034
	20		1017
	7.5 to 15	525V	1034
	20		1017
Box Series: LTBCU	5 to 15	440V	1169
	20 to 50		1146
	7.5 to 15	480V	1169
	20 to 30		1146
	7.5 to 15	525V	1169
	20 to 33.1		1146

Ordering Information for Capacitors

C - Cylindrical, B - Box	
Duty: D/F – Standard*	
M - Standard duty Box with MCB & LED Indication	
H - Heavy	
N - Gas Filled	
R - Super Heavy	
P - APP	
U - Ultra Heavy	
kVAr Rating	Sample ratings
	01 - 1 kVAr
	07 - 7.5 kVAr
	10 - 10 kVAr
	12 - 12.5 kVAr
Voltages: B-440V, C-480V, M- 525V	
** F - 1 to 6 kVAr. D - 7.5 kVAr & above	
L T C 3 2	Catalogue Number

** SHD (LTCCR) & LTXL Cyl (LTCCU) are long lead items. Contact nearest branch for delivery schedule & technical specs before ordering .

Capacitor Series	kVAr ratings		
	440 V	480 V	525 V
LTCCF	1, 2, 3, 4, 5, 6	1.2, 2.2, 3.3, 4.4, 5.5	1.3, 2.6, 3.9, 5.3, 6.6
LTBCF	1, 2, 3, 4, 5, 6	-	-
LTCCD/LTBCD	7.5, 8.33, 10, 12.5, 15, 20, 25, 30*	11.1, 13.8, 16.6, 22.1, 27.7	13.2, 16.6, 20, 26.5, 30, 33.1
LTBCM	5, 7.5, 8.33, 10, 12.5, 15, 20, 25	-	-
LTCCCH	1, 2, 3, 4, 5, 7.5, 10, 12.5, 15, 20, 25, 30	5.5, 11.1, 13.8, 16.6, 22.1, 27.7	6.6, 13.2, 16.6, 20, 26.5, 30, 33.1
LTBCH	1, 2, 3, 4, 5, 7.5, 8.33, 10, 12.5, 15, 20, 25, 30, 50	5.5, 11.1, 15, 20, 25, 27.7	6.6, 13.2, 15, 20, 25, 30, 33.1
LTCCN	3, 4, 5, 7.5, 8.33, 10, 12.5, 15, 20, 25	7.5, 12.5, 15, 20, 25, 30	7.5, 12.5, 15, 20, 25, 30, 33.1
LTCCR	3, 4, 5, 7.5, 8.33, 10, 12.5, 15, 20, 25	1.2, 2.2, 3.3, 4.4, 5.5, 11.1, 15, 20, 25, 27.7	1.3, 2.6, 3.9, 5, 6.6, 13.2, 15, 20, 25, 30, 33.3
LTBCP	5, 7.5, 10, 12.5, 15, 20, 25, 50	5.5, 11.1, 13.8, 16.6, 22.1, 27.7, 55.3	6.6, 13.2, 16.6, 20, 26.5, 30, 33.1, 66.2
LTCCU	5, 7.5, 8.33, 10, 12.5, 15, 20, 25	7.5, 10, 12.5, 15, 20	7.5, 10, 12.5, 15, 20
LTBCU	5, 7.5, 8.33, 10, 12.5, 15, 20, 25, 30, 50	7.5, 10, 12.5, 15, 20, 25, 30	7.5, 12.5, 15, 20, 25, 30, 33.1

* Only LTBCD is available at 30 kVAr



Power Quality Solutions

Detuned Reactors, 440 V, 50 Hz [8504]

- Copper & Aluminium wound reactors
- H-class insulation
- Lower operating losses
- 180% linearity*
- Thermal cut off
- Better Harmonic Blocking Capability [Quality Factor > 35]



kVAr Rating	7% Copper Reactor		7% Aluminium Reactor		14% Copper Reactor		14% Aluminium Reactor	
	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
1	LTFR0701B2	9185	LTAL0701B2	6665	LTFR1401B2	17855	LTAL1401B2	11000
2	LTFR0702B2	10030	LTAL0702B2	7270	LTFR1402B2	19465	LTAL1402B2	11980
3	LTFR0703B2	11370	LTAL0703B2	8235	LTFR1403B2	22075	LTAL1403B2	13575
4	LTFR0704B2	12085	LTAL0704B2	8755	LTFR1404B2	23470	LTAL1404B2	14440
5	LTFR0705B2	13075	LTAL0705B2	9465	LTFR1405B2	25375	LTAL1405B2	15620
10	LTFR0710B2	18535	LTAL0710B2	13435	LTFR1410B2	35970	LTAL1410B2	23500
12.5	LTFR0712B2	20340	LTAL0712B2	14740	LTFR1412B2	39460	LTAL1412B2	25685
15	LTFR0715B2	22995	LTAL0715B2	17685	LTFR1415B2	42220	LTAL1415B2	30690
20	LTFR0720B2	25930	LTAL0720B2	19500	LTFR1420B2	50285	LTAL1420B2	34885
25	LTFR0725B2	27435	LTAL0725B2	19875	LTFR1425B2	53215	LTAL1425B2	35820
50	LTFR0750B2	43525	LTAL0750B2	31535	LTFR1450B2	84440	LTAL1450B2	52035
75	LTFR0775B2	64695	LTAL0775B2	46895	LTFR1475B2	125515	LTAL1475B2	77365
100	LTFR0700B2	88945	LTAL0700B2	64440	LTFR1400B2	172435	LTAL1400B2	106325

* Prices of 200% linearity reactors are available on request.

For industries with High Voltage Harmonics, special solutions are available on request. Contact your nearest sales office for the customised solutions.

Selection of capacitors for detuned harmonic filter application

Step Size & 440 V Reactor rating (kVAr)	With 7% detuned reactor			With 14% detuned reactor	
	Capacitor series	480 V Capacitor (kVAr)	525 V Capacitor (kVAr)	Capacitor series	525 V Capacitor (kVAr)
1	LTCCF, LTCCR	1.2	1.3	LTCCF, LTCCR	1.3
2	LTCCF, LTCCR	2.2	2.6	LTCCF, LTCCR	2.6
3	LTCCF, LTCCR	3.3	3.9	LTCCF, LTCCR	3.9
4	LTCCF	4.4	5.3	LTCCF	5.3
	LTCCR		5	LTCCR	5
5	LTCCF, LTCCH, LTCCR, LTBCB, LTBCP	5.5	6.6	LTCCF, LTCCH, LTCCR, LTBCB, LTBCP	6.6
	LTCCN, LTCCU, LTBCU	7.5	7.5	LTCCN, LTCCU, LTBCU	7.5
10	LTCCD, LTCCH, LTCCR, LTBCD, LTBCB, LTBCP	11.1	13.2	LTCCD, LTCCH, LTCCR, LTBCD, LTBCB, LTBCP	13.2
	LTCCN, LTCCU, LTBCU	12.5	12.5	LTCCN, LTCCU, LTBCU	12.5
12.5	LTCCN, LTCCR, LTCCU, LTBCB, LTBCU	15	15	LTCCN, LTCCR, LTCCU, LTBCB, LTBCU	15
	LTCCD, LTCCH, LTBCD, LTBCP	13.8	16.6	LTCCD, LTCCH, LTBCD, LTBCP	16.6
15	LTCCN, LTCCR, LTCCU, LTBCB, LTBCU	20	20	LTCCD, LTCCN, LTCCH, LTCCR, LTCCU, LTBCD, LTBCB, LTBCP, LTBCU	20
	LTCCD, LTCCH, LTBCD, LTBCP	16.6			
20	LTCCN, LTCCR, LTBCB, LTBCU	25	25	LTCCN, LTCCR, LTBCB, LTBCU	25
	LTCCD, LTCCH, LTBCD, LTBCP	22.1	26.5	LTCCD, LTCCH, LTBCD, LTBCP	26.5
	LTCCU	7.5 + 15	2 x 12.5	LTCCU	2x12.5
25	LTCCD, LTCCH, LTCCR, LTBCD, LTBCB, LTBCP	27.7	33.1	LTCCD, LTCCN, LTCCH, LTCCR, LTBCD, LTBCB, LTBCP, LTBCU	30
	LTBCU, LTCCN	30			
	LTCCU	12.5 + 15		LTCCU	(10+20)
50	LTCCD, LTCCH, LTCCR, LTBCD, LTBCB	2 x 27.7	2 x 33.1	LTCCD, LTCCN, LTCCH, LTCCR, LTBCD, LTBCB, LTBCP, LTBCU	2 x 30
	LTBCU, LTCCN	2 x 30			
	LTCCU	2 x (12.5 + 15)		LTCCU	3 x 20
	LTBCP	55.3			
75	LTCCD, LTCCH, LTCCR, LTBCD, LTBCB	3 x 27.7	3 x 33.1	LTCCD, LTCCN, LTCCH, LTCCR, LTBCD, LTBCB, LTBCP, LTBCU	3 x 30
	LTBCU, LTCCN	3 x 30			
	LTCCU	3 x (12.5 + 15)		LTCCU	(4 x 20) + 10
	LTBCP	27.7 + 55.3			
100	LTCCD, LTCCH, LTCCR, LTBCD, LTBCB, LTBCP	4 x 27.7	4 x 33.1	LTCCD, LTCCN, LTCCH, LTCCR, LTBCD, LTBCB, LTBCP, LTBCU	4 x 30
	LTBCU, LTCCN	4 x 30			
	LTCCU	4 x (12.5 + 15)		LTCCU	6 x 20
	LTBCP	2 x 55.3			

Power Quality Solutions

Capacitor Duty Contactors - Type MO C [8536]



MO C25



MO C50



MO C100

Size	kVA Rating @ 440V, 3Ph, 50Hz	Type	Built-in Auxiliary Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	3	MO C3	1NO	CS96146	2120	1
	5	MO C5	1NO	CS96127	2220	1
	8.5	MO C8.5	1NO	CS96320	2490	1
	10	MO C10	1NO	CS96156	2650	1
	12.5	MO C12.5	1NO	CS96321	2780	1
	15	MO C15	1NO	CS90019	3750	1
	20	MO C20	1NO	CS90021	4220	1
	25	MO C25▲	1NO	CS96322	4860	1
Fr 2	30	MO C30\$	1NO	CS96148	7360	1
	40	MO C40	1NO	CS96147	12200	1
	50	MO C50	1NO	CS96324	13400	1
Fr 3	60	MO C60\$	1NO	CS96149	14700	1
	75	MO C75	1NO	CS96150	17800	1
	85	MO C85	1NO	CS96157	19200	1
	100	MO C100\$	1NO	CS96158	19800	1

Thyristor Switching Module, 440V 50Hz [8538]

- High Peak Inverse Voltage (PIV) - 2.2 kV
- Lower operating losses
- Auto thermal cut off
- Compact Design
- No moving parts
- LEDs for various status/fault indications



kVA Rating	Cat. No.	M.R.P. (₹) Per Unit
10	LTTSM10B2	25440
25	LTTSM25B2	36290
50	LTTSM50B2	41565

Note: Above prices include Quick Discharge Resistors (QDR)

Note :

- 1) For ordering add-on aux. contact block, please refer page No. 8
- 2) For ordering suffix, please refer page No.10
- 3) For ordering spare coils, please refer page No. 11
- 4) Standard coil voltage : 240V, 50/60 Hz
- 5) For ordering MO C surge suppressor, please refer page No. 9

▲ If using 16 sq mm cable use of spreader link kit is mandatory

▲ For ordering spreader link kit, Please refer page No. 9

\$ Spreader link along with phase barrier included in packing

Active Harmonic Filter (AHF) [8543]

Features :

- Reduces THD within IEEE - 519 limits
- Harmonic cancellation up to 50th order
- Improves both Distortion & Displacement Power Factor (Leading & Lagging)
- Load balancing
- 3 Phase 4 Wire AHF to be used where 3rd Harmonic Mitigation is required
- Modular Design allowing for future expansion
- Ease of Monitoring using Touch Screen HMI
- Customization as per site condition
- Communication : MODBUS RS485 Protocol Available

* Standard CAT. No. Configuration

Contact your nearest sales office for customised solutions:

Customisable Options Available:

IP Class : IP20/IP40/IP42

Cable Entry : Bottom / Top / Additional Cable Alley

Conformal coating (3C3)



Filter Rating (A)	3 Phase 3 wire AHF Without Neutral Compensation		3 Phase 4 wire AHF With Neutral Compensation	
	Cat. No.*	M.R.P. (₹) Per Unit	Cat. No.*	M.R.P. (₹) Per Unit
30	AHF030431D2	On Request	AHF030441D2	On Request
60	AHF060431D2		AHF060441D2	
75	AHF075431D2		AHF075441D2	
100	AHF100431D2		AHF100441D2	
150	AHF150431D2		AHF150441D2	
200	AHF200431D2		AHF200441D2	
225	AHF225431D2		AHF225441D2	
300	AHF300431D2		AHF300441D2	
400	AHF400431D2		-	
600	AHF600431D2			
800	AHF800431D2			



Next Gen Power Quality Monitoring: **Elevate Efficiency with our Power Quality Meters**



WC7000
Power Quality Monitors



WC8000
Power Quality Analyzers

Take control of your operation with our Power Quality Meters!

Accurately measure power quality parameters to extend asset lifespan and take proactive steps to prevent issues. Empower your maintenance strategy with WC7000 & WC8000 Power Quality Meters!

- **High Sampling Rate:** 1024 or 512 Samples/Cycle - Enhances power quality analysis precision
- **Tracking Power Quality Events** – Sag, Swell, Flicker, Transient, Interruption, Harmonics upto 127th Order(Odd, Even & inter Harmonics)
- **Dual Communication Port** – RS485 & Ethernet Port Enables seamless integration across systems simultaneously
- **IOT Enabled:** Seamless IoT Cloud integration for remote asset monitoring convenience
- **Power Quality Reports:** Produces IEEE519, EN 50160, IEC61000-4-30 & ITIC-CBEMA Curve reports

"Reach out to the nearest branch office for further information"

Customer Interaction Center (CIC)

BSNL/MTNL(toll free):1800 233 5858 Reliance (toll free):1800 200 5858
Tel: 022 6774 5858 Email:cic@Lntbg.com Web: Lntbg.com



etaULTRA - APFC Controller - 3 CT inputs

Features:

- 3 Phase Current and Voltage measurement
- PF display - 3 Digit after decimal
- Individual harmonics measurement up to 31st order
- Dual PF setting for Mains - DG application
- Communication through Inbuilt MODBUS RS-485 Protocol

Cascading (Master - Slave configuration) for APFC panel with more than 16 steps



2 & 4 Quadrant Operation for sites with / without Solar Plants

Model Name	No. of steps (For Contactor switching)	No. of steps (For Thyristor switching)	Voltage Input	Cat No.	Size	M.R.P. (₹) Per Unit
etaULTRA 8R	8	0	110 / 415	CS910500000	144 x 144	19900
etaULTRA 16R	16	0		CS910510000		26300
etaULTRA 14T+2R	2	14		CS910530000		26300
etaULTRA 8T+8R	8	8		CS910540000		19900

Last Two Contacts can be programmed for Capacitor Switching / Alarm Function / Fan Control

APFC Controller [8538]

etaSMART - APFC Controller - 1 CT input

Features:

- Simple and Smart Controller
- Auto programming function available
- CT secondary - 1 / 5 Amp site selectable



2 & 4 Quadrant Operation for sites with / without Solar Plants

etaSMART T - APFC Controller for Thyristor Switching with 1 CT input

No. of O/P steps (for Thyristor switching)	Size	Cat. No.	Single CT input	Voltage Input	M.R.P. (₹) Per Unit
6	96x96	CS916130000	1/ 5 Amp	415 V	13755
8	144 x 144	CS916140000			16380
12	144 x 144	CS916150000			20055
15	144 x 144	CS916160000			23730

One separate relay contact is available for Alarm

etaSMART R - APFC controller for Contactor switching with 1 CT input

No. of steps (For Contactor Switching)	Size	Cat. No.	Single CT input	Voltage Input	M.R.P. (₹) Per Unit
4	96 x 96	CS908840000	1/ 5 Amp	415 V	6950
6	96 x 96	CS908850000			8850
8	96 x 96	CS909020000			10500
12	144 x 144	CS909030000			18800
14	144 x 144	CS909040000			20800
16	144 x 144	CS909050000			22900

Last Two Contacts can be Programmed for Capacitor Switching / Alarm Function / Fan Control

etaCON M5 APFC Controller

APFC controller for Contactor switching with 1 CT input

Features:

- CT secondary - 1 A / 5 A Site selectable
- Suitable for LT as well as HT side sensing



2 & 4 Quadrant Operation for sites with / without Solar Plants

No. of Steps	Single CT input	Voltage input	Cat. No.	Size	M.R.P. (₹) Per Unit
5 Steps*	1 A / 5 A	415V / 110V	ETACONM005R	96 X 96	15600
8 Steps*			ETACONM005R + ETACONEXP3R	96 X 96	19100

* Available till stock last



Type Tested APFC Panels – Safe, Reliable and Smart solution to maintain Power Factor

Type tested and certified design

- Engineered to the highest standards - Type tested as per IEC 61439-1&2, IEC61921 & IS13947
- Ingress Protection up to IP42 as per IEC 60529, IS2147 to protect equipment under harsh environments

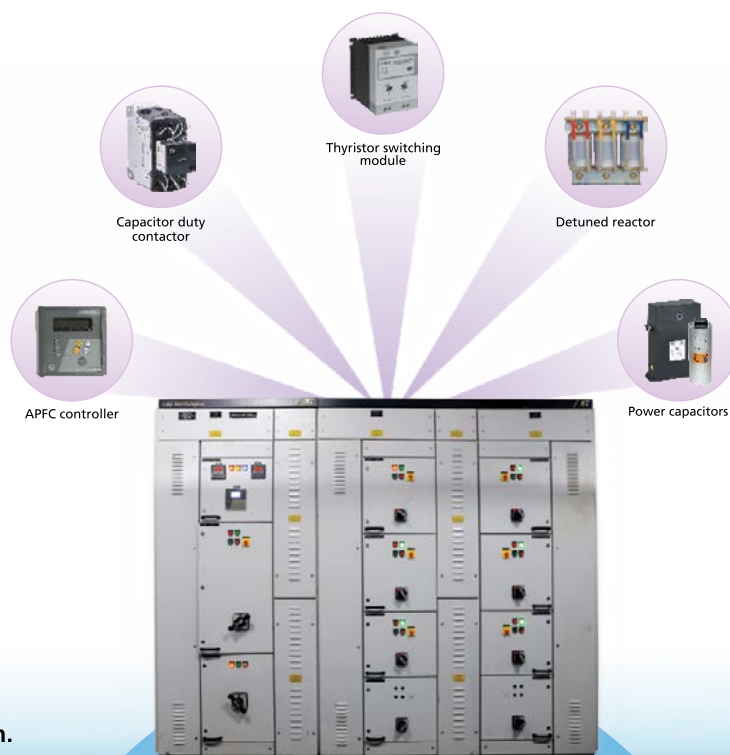
Reliable

- Worry free PF management with 4 quadrant PF controller
- Certified for better thermal management as per IEC 61921
- Design verified assemblies of both constructional & performance requirements
- Separate section for detuned reactors, capacitors & switchgear ensures longer life of components & less worry on maintenance

Safety

- Form 3B separation (compartmentalized design for switchgear)
- Bus bars with more clearance than prescribed in standards
- A minimum of IP2X degree of protection even when the doors / covers in open condition
- Earthing of each and every door and structural members
- Zero stray voltage on doors & covers ensures both operator & equipment safety

Hybrid Harmonic Filters (AHF + APFC) can also be offered.
Contact our nearest sales office for such customized solution.



Suggested Step Ratings for APFC Panels

Panel Rating (kVar)	Physical Step Size (kVar)	No. of Physical Steps	Electrical Steps (All Possible Combination of Physical Steps)	No. of Electrical Steps
10	4 + 3 + 2 + 1	4	1,2,3,4...8,9,10	10
15	5 + 4 + 3 + 2 + 1	5	1,2,3,4...13,14,15	15
20	10 + 5 + 2x2 + 1	5	1,2,3,4...18,19,20	20
25	15 + 5 + 2x2 + 1	5	1,2,3,4...23,24,25	20
30	15 + 10 + 2x2 + 1	5	1,2,3,4...28,29,30	22
35	20 + 10 + 2x2 + 1	5	1,2,3,4...33,34,35	23
40	20 + 10 + 5 + 3 + 2	5	2,3,5,7...35,37,38,40	24
45	25 + 10 + 5 + 3 + 2	5	2,3,5,7...40,42,43,45	24
50	25 + 15 + 5 + 3 + 2	5	2,3,5,10...45,47,48,50	24
55	25 + 15 + 10 + 3 + 2	5	2,3,5,10...50,52,53,55	25
60	25 + 15 + 10 + 5 + 3 + 2	6	2,3,5,7...55,57,58,60	36
65	25 + 2x15 + 5 + 3 + 2	6	2,3,5,7...60,62,63,65	35
70	25 + 20 + 15 + 5 + 3 + 2	6	2,3,5,7...65,67,68,70	36
75	2x25 + 15 + 5 + 3 + 2	6	2,3,5,7...70,72,73,75	39
80	2x25 + 15 + 10 + 3 + 2	6	2,3,5,10...75,77,78,80	36
85	50 + 20 + 5 + 4 + 2x3	6	2,3,5,6...80,81,82,85	44
90	50 + 25 + 5 + 4 + 2x3	6	3,4,5,6...85,86,87,90	47
95	50 + 25 + 10 + 4 + 2x3	6	3,4,6,7...89,91,92,95	43
100	50 + 25 + 15 + 4 + 2x3	6	3,4,6,7...94,96,97,100	44
105	50 + 25 + 15 + 5 + 4 + 2x3	7	3,4,5,6...100,101,102,105	85
110	50 + 25 + 15 + 10 + 4 + 2x3	7	3,4,5,6...104,106,107,110	65
115	50 + 25 + 2x15 + 4 + 2x3	7	3,4,6,7...109,111,112,115	65

Panel Rating (kVar)	Physical Step Size (kVar)	No. of Physical Steps	Electrical Steps (All Possible Combination of Physical Steps)	No. of Electrical Steps
120	50 + 25 + 20 + 15 + 4 + 2x3	7	3,4,6,7...114,116,117,120	85
125	50 + 2x25 + 15 + 4 + 2x3	7	3,4,6,7...119,121,122,125	55
130	50 + 2x25 + 20 + 4 + 2x3	7	3,4,6,7...124,126,127,130	60
135	2x50 + 15 + 10 + 4 + 2x3	7	3,4,6,7...129,131,132,135	65
140	2x50 + 20 + 10 + 4 + 2x3	7	3,4,6,7...134,136,137,140	62
145	2x50 + 25 + 10 + 4 + 2x3	7	3,4,6,7...139,141,142,145	65
150	2x50 + 25 + 15 + 4 + 2x3	7	3,4,6,7...144,146,147,150	66
155	2x50 + 25 + 15 + 3x5	7	5,10,15,20...145,150,155	31
175	2x50 + 2x25 + 10 + 3x5	8	5,10,15,20...165,170,175	35
200	2x50 + 3x25 + 15 + 2x5	8	5,10,15,20...190,195,200	40
225	3x50 + 2x25 + 15 + 10	7	10,15,25,35...210,215,225	27
250	3x50 + 3x25 + 15 + 10	8	10,15,25,35...235,240,250	30
275	4x50 + 2x25 + 15 + 10	8	10,15,25,35...260,265,275	33
300	100 + 2x50 + 3x25 + 15 + 10	8	10,15,25,35...285,290,300	36
325	100 + 3x50 + 2x25 + 15 + 10	8	10,15,25,35...310,315,325	39
350	100 + 4x50 + 25 + 15 + 10	8	10,15,25,35...335,340,350	42
375	2x100 + 2x50 + 2x25 + 15 + 10	8	10,15,25,35...360,365,375	45
400	2x100 + 2x50 + 4x25	8	25,50,75,100...350,375,400	16
425	2x100 + 3x50 + 3x25	8	25,50,75,100...375,400,425	17
450	2x100 + 3x50 + 4x25	9	25,50,75,100...400,425,450	18
475	2x100 + 4x50 + 3x25	9	25,50,75,100...425,450,475	19
500	2x100 + 5x50 + 2x25	9	25,50,75,100...450,475,500	20

Note : Above mentioned steps are typical recommendations, suitable for most of the industries. For accurate compensation, step size selection may have to be decided after studying load profile of that industry.

3 Phase Over Current + Earth Fault Relay

C.T. Rating 1A or 5A, Field Selectable



- IDMT & Definite time characteristics
- Last 30 trip data recording with date and time
- Password Protection

Model	Aux. Supply (V)	Output Contacts	Device Code	Cat. No.	M.R.P. (₹) Per Unit
MC31AnX*	24 - 240V AC/ DC	2 NO + 2 NC	51, 51N	MC31ANX2200	21000
		4 NO		MC31ANX4000	

3 Phase Over Current + Earth Fault Relay with High Set

C.T. Rating 1A or 5A, Field Selectable



- IDMT & Definite time characteristics
- Last 30 trip data recording with date and time
- Password Protection

Model	Aux. Supply (V)	Output Contacts	Device Code	Cat. No.	M.R.P. (₹) Per Unit
MC61AnX*	24 - 240V AC/ DC	2 NO + 2 NC	51, 51N,	MC61ANX2200	23000
		4 NO	50, 50N	MC61ANX4000	

3 Phase Over Current + Earth Fault Relay with High Set & RS - 485 Port

C.T. Rating 1A or 5A, Field Selectable



- IDMT & Definite time characteristics
- Last 30 trip data recording with date and time
- Password Protection

Model	Aux. Supply (V)	Output Contacts	Device Code	Cat. No.	M.R.P. (₹) Per Unit
MC61CnX*	24 - 240V AC/ DC	4 NO	51, 51N, 50, 50N	MC61CNX4000	25500

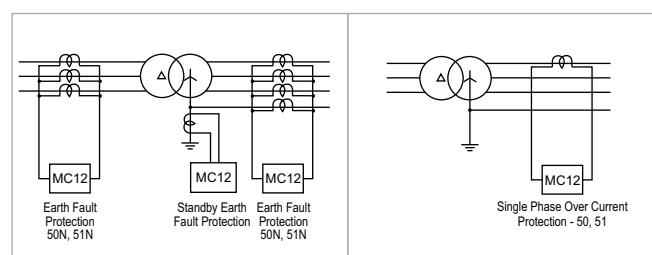
Single Pole Over Current or Earth Fault Relay

C.T. Rating 1A or 5A, Not Field Selectable



- IDMT and Definite time characteristics

Model	Aux. Supply (V)	C.T. Secondary (A)	Device Code	Cat. No.	M.R.P. (₹) Per Unit
MC12*	20 - 110V AC/DC	1A	50, 51 or 50N, 51N	MC12AA10X00	14800
		5A		MC12AA50X00	
	88 - 264V AC/DC	1A		MC12AB10X00	
		5A		MC12AB50X00	



Reverse Power Relay

C.T. Rating 1A or 5A, Not Field Selectable



- System Voltage is site selectable - 110V / 415V AC

Model	Aux Supply (V)	C.T. Secondary (A)	Device Code	Cat. No.	M.R.P. (₹) Per Unit
MRP11*	20 - 110V AC/DC	1A	32	MRP11A10X00	24500
		5A		MRP11A50X00	
	88 - 264V AC/DC	1A		MRP11B10X00	
		5A		MRP11B50X00	

Trip Circuit Supervision Relay



- Static Relay.
- Monitors Trip Coil in Breaker ON & OFF condition
- Site selectable Trip Coil Voltage

Model	Aux. Supply (V)	Cat. No.	M.R.P. (₹) Per Unit
TCS01nX*	20 - 110 V AC/ DC	TCS01NXA000	8500
	88 - 264 V AC/ DC	TCS01NXB000	

* Available till stock last

MV12

Single Phase Under Voltage or Over Voltage Relay

- System Voltage is site selectable - 110 / 240 / 415V AC



Model	Aux. Supply (V)	Device code	Cat. No.	M.R.P. (₹) Per Unit
MV12*	20 - 110V AC/DC	27 or 59	MV12AA00X00	14800
	88 - 264V AC/DC		MV12AB00X00	

* Available till stock last

Lockout Relay - LocR

Features:

- Lockout Relays [Master Trip Relay] - LocR
- Designed to operate the circuit breaker trip coils at high speed
- Available with Hand reset contact (HRC) and hand reset Flag (HRF)



ANSI Code - 86

Description	Output contacts	Reset Contacts	Reset Flag	Coil Voltage	Cat. No.	M.R.P. (₹) Per Unit
Single element Lockout relay	3NO + 2NC	Hand	Hand	24VDC	L1H32DC024X	6000
				110VDC	L1H32DC110X	
				220VDC	L1H32DC220X	
				230VAC	L1H32AC230X	

Auxiliary Relay - AuxR

Features:

- AuxR relay provides additional contacts for interlocking, control and signal applications
- Available with hand reset or self-reset contacts and hand reset Flag

Description	Output Contacts	Reset Contacts	Reset Flag	Coil Voltage	Cat. No.	M.R.P. (₹) Per Unit
Three element Auxiliary relay	4 N/O	Hand	Hand	24VDC	A3H40DC024X	12000
				110VDC	A3H40DC110X	
				220VDC	A3H40DC220X	
				230VAC	A3H40AC230X	
Three element Auxiliary relay	2 N/O + 2 N/C	Auto	Hand	24VDC	A3A22DC024X	
				110VDC	A3A22DC110X	
				220VDC	A3A22DC220X	
				230VAC	A3A22AC230X	

Single Phase kWh meter with LCD display

Model EM101+ Class 1 Base mounting



Description	Cat. No.	M.R.P. (₹) Per Unit
1P LCD Meter 5-30A	WM101BC5DL0	1820
1P LCD Meter 5-30A with BOX	WM101BC5DL0BOX	2430
1P LCD Meter 5-30A with OPTICAL PORT	WM101BC5DDH	2500
1P LCD Meter 5-30A with Optical port + BOX	WM101BC5DDHBOX	3110
1P LCD Meter 10-60A	WM101BC7DL0	2150
1P LCD Meter 10-60A with BOX	WM101BC7DL0BOX	2710
1P LCD Meter 10-60A with Optical Port	WM101BC7DDH	2750
1P LCD Meter 10-60A with Optical Port + BOX	WM101BC7DDHBOX	3160
1P LCD Meter 5-30 with Optical Port + RS232	WM101BC5DLMSC	2800

3 Phase 4 Wire kWh meter LCD type

Model ER300P Base Mounting



Description	Cat. No.	M.R.P. (₹) Per Unit
3Ph 4 W kWh CT op base mtg 240V, /5A, Acc 0.5s	WR301BC3C00	5810
3Ph 4 W kWh Dir base mtg 240V 5- 30 A Acc 1	WR301BC4D20	4870
3Ph 4 W kWh Dir base mtg 240V 10- 40 A Acc 1	WR301BC6D20	5010
3Ph 4 W kWh Dir base mtg 240V 10- 60 A Acc 1	WR301BC7D10	6350
3Ph 4 W kWh Dir base mtg 240V 20- 100 A Acc 1	WR301BC8D10	9200

Trivector Meter Class 1 whole current meter

Model ER300P Class 1 (Base Mounting)



Description	Cat. No.	M.R.P. (₹) Per Unit
3Ph, 4W TVM 240 V 10 - 60A BM	WR300BC7300	8580
3Ph, 4W TVM 240 V 10 - 60A BM RS 485 Modbus*	WR300BC73RS485	12240
3Ph, 4W TVM 240 V 10 - 60A BM with Hinge type Box	WR300BC73BOXH	10630

*- Available on request only & minimum order quantity is 100 Nos

Trivector Meter Class 0.5s

Model ER300P Class 0.5s (Base Mounting)



- Inform CT/PT ratio while ordering
- Meters with DLMS Protocol (IS 15959)

Description	Cat. No.	M.R.P. (₹) Per Unit
3Ph, 4W TVM 110V (L-L) 1 A Class 0.5s BM RS 485 Modbus	WR300BB12RS	34300
3Ph, 4W TVM 110V (L-L) 5 A Class 0.5s BM RS 485 Modbus#	WR300BB52RS	34300
3Ph, 4W TVM 240V (L-N) 5 A CI 0.5s BM RS 485 Modbus	WR300BC52RS	30760

- available on request

Pre-Payment® & Smart Meter Solutions\$



Pre-Payment Meter (IS 15884)®, Smart Meter (IS 16444) solutions please contact our nearest Branch

@ - Long lead item. Available on request

Trivector Meter Class 0.2s

Model ER300P Class 0.2s (Base Mounting)

- Inform CT/PT ratio while ordering
- Meters with DLMS Protocol (IS 15959)



Description	Cat. No.	M.R.P. (₹) Per Unit
3Ph, 4W TVM 110V (L-L) 1 A Class 0.2s BM RS485 Modbus	WR300BB11RS	73990
3Ph, 4W TVM 110V (L-L) 5 A Class 0.2s BM RS485 Modbus	WR300BB51RS	73990

Meter Reading Instrument

[8471]



Description	Cat. No.	M.R.P. (₹) Per Unit
Meter Reading Instrument - (16.5 MB)	990MRIXX000	146460
Meter Optical port to USB cable	990PCXXUSB	1750

Net Meters\$



Net Meters for solar roof top application & solar generation plant please contact our nearest Branch

ORION (40-200A)\$



Combined CT Meter (Available for Generation and Net Metering)

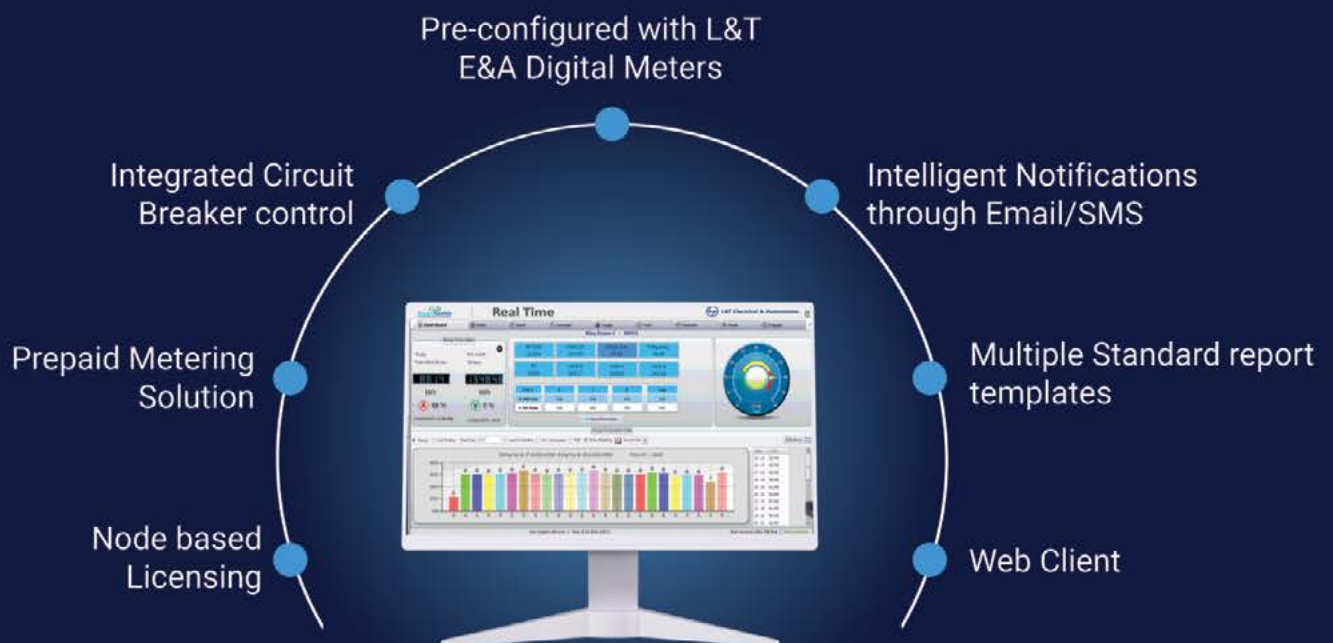
\$ For more details please contact nearest branch



THE ENERGY MANAGEMENT SYSTEM THAT FOSTERS ENERGY EFFICIENCY



SmartComm EMS is a simple yet robust solution for organizations seeking to optimize energy consumption and operational efficiency, all within a user-friendly environment. The on-premise implementation gives you direct control and oversight of energy-related data, allowing for real-time monitoring, analysis, and decision-making through an intuitive and easy-to-use interface. With cutting edge features, SmartComm EMS empowers you to proactively manage energy usage, identify savings opportunities, and ensure compliance with sustainability goals and regulations.



Customer Interaction Center (CIC)

BSNL/MTNL (toll free): 1800 233 5858 Reliance (toll free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntbg.com Web: Lntbg.com

Single Function Meters [9030]

1xxx Series

- Accuracy Class 1.0, 0.5
- Input voltage measurement range 50-520 VAC (P-P)
- Aux supply 80-300 VAC
- CT secondary site selectable 1A / 5A
- Flush mounting 96 x 96 mm
- Inbuilt selector switch for 3 phase meters
- CT/PT site programmable
- Frequency parameter available in 3Ph Voltmeter additionally



Description	Cat. No.	M.R.P. (₹) Per Unit
1Ph LED Ammeter CI 1	WL1110100000	925
1Ph LED Voltmeter CI 1	WL1120100000	925
3Ph LED Ammeter CI 1	WL1310100000	1395
3Ph LED Voltmeter CI 1	WL1320100000	1395
LED Freq meter CI 0.2	WL1130400000	925
1Ph LED Ammeter CI 0.5	WL1110200000	1245
1Ph LED Voltmeter CI 0.5	WL1120200000	1245
3Ph LED Ammeter CI 0.5	WL1310200000	1680
3Ph LED Voltmeter CI 0.5	WL1320200000	1680

VAF + PF Meters [9030]

4110 Series



- Accuracy Class 1.0, 0.5
- Input voltage measurement range 50-520 VAC (P-P)
- Aux supply 80-300 VAC/DC
- CT secondary site selectable 1A / 5A
- Flush mounting 96 x 96 mm
- Parameters: VLL, VLN, A, F, PF, On Hrs, RPM, Apeak

Description	Cat. No.	M.R.P. (₹) Per Unit
VAF + PF meter, CI 1	WL4110100000	2380
VAF + PF meter with RS485, CI 1	WL4110110000	2980
VAF + PF meter, CI 0.5	WL4110200000	2735
VAF + PF meter with RS485, CI 0.5	WL4110210000	3310

Counter type Energy Meter [9030]

4030 Series



Features

- Accuracy Class 1.0
- Flush mounting 96 x 96 mm
- Available with sealing arrangement
- Parameter : kWh

Description	Cat. No.	M.R.P. (₹) Per Unit
kWh Counter type meter CI 1 (3Ph 4W 240V 5A)*	WL4030100000	3705

* for availability please contact nearest branch office.

Energy Meters [9030]

4000 Series

- Accuracy Class 1.0, 0.5
- Input voltage measurement range 50-520 VAC (P-P)
- Aux supply 80-300 VAC/DC
- CT secondary site selectable 1A / 5A
- Flush mounting 96 x 96 mm
- CT/PT site programmable
- Auto scaling of Kilo, Mega and Giga
- Parameters: Site selectable kWh / kVA / PF / W, Old energy

kWh or kVAh is site selectable



Energy display in kWh in its lifetime#

Description	Cat. No.	M.R.P. (₹) Per Unit
kWh LED meter CI 1	WL4000100000	2810
kWh LED meter CI 1 with RS485	WL4000110000	3160
kWh LED meter CI 0.5	WL4000200000	3570
kWh LED meter CI 0.5 with RS485	WL4000210000	3870
kWh LCD meter CI 1	WC4000100000	3180
kWh LCD meter CI 1 with RS485	WC4000110000	3510
kWh LCD meter CI 0.5	WC4000200000	3940
kWh LCD meter CI 0.5 with RS485	WC4000210000	4240

For 415V LL and CT Primary value of 400 and below

DIN Basic Multifunction Meters [9030]

4000 Series

•Parameters: Voltage, Current, kW, kWh, PF#, KVA#, KVAh#, MD#



till stocks lasts

Description	Cat. No.	M.R.P. (₹) Per Unit
Energy meter 1P 5-40A CI 1 DIN	WD4000101000	2630
Energy meter 3P 10-60A CI 1 DIN	WD4000103000	5975
Energy meter RS485 module	WD400010RS00	2630

Parameter Available in 3P Model



4010 Series

- DIN mounting whole current operated meter
- Accuracy Class 1.0
- Inbuilt RS485 option
- Parameters: Voltage, Current, kW, kWh, kVA, kVAh, RPM, Load hours, Interruptions



Description	Module	Cat. No.	M.R.P. (₹) Per Unit
Single Phase - 60A	2	WD4010100000	2630
Three Phase - 80A	5	WD4020100000	5975
Single Phase - 60A (RS485)	2	WD4010110000	4200
Three Phase - 80A (RS485)	5	WD4020110000	8605



Dual Source Basic MFM [9030]

4040 Series

Features

- Accuracy Class 1.0, 0.5
- Input voltage measurement range 50-520 VAC (P-P)
- Aux supply 80-300 VAC/DC
- CT secondary site selectable 1A / 5A
- DG sensing input 230 VAC
- Flush mounting 96 X 96 mm
- CT/PT site programmable
- Discrete LED for EB and DG
- True PF or Displacement PF site selectable
- Parameters: V, A, F, PF, kW, kVA, Run hours, kWh (EB and DG), Old energy, Site selectable kWh / kVAh

kWh or kVAh
is site selectable



LCD offers better readability
of parameters

Description	Cat. No.	M.R.P. (₹) Per Unit
Dualsource LED meter CI1	WL4040100000	4600
Dualsource LED meter CI1 with RS485	WL4040110000	5415
Dualsource LED meter CI0.5	WL4040200000	5470
Dualsource LED meter CI0.5 with RS485	WL4040210000	6405
Dualsource LCD meter CI1	WC4040100000	5060
Dualsource LCD meter CI1 with RS485	WC4040110000	5890
Dualsource LCD meter CI0.5	WC4040200000	5940
Dualsource LCD meter CI0.5 with RS485	WC4040210000	6795

Basic Multifunction Meters [9030]

4400 Series

Features

- Accuracy Class 1.0, 0.5
- Input voltage measurement range 50-520 VAC
- Aux supply 80-300 VAC/DC
- CT secondary site selectable 1A / 5A
- Flush mounting 96 x 96 mm
- CT/PT site programmable
- True PF or Displacement PF site selectable
- V, A, F, PF, kW, kVA, Old energy, Load hours, site selectable kWh/ kVAh



LCD offers better readability
of parameters

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4400 LED meter CI 1	WL4400100000	4430
MFM 4400 LED meter CI 1 with RS485	WL4400110000	5215
MFM 4400 LED meter CI 0.5 with RS485	WL4400210000	6165
MFM 4400 LED meter CI 0.5S with RS485	WL4400310000	6230
MFM 4400 LCD meter CI 1	WC4400100000	4890
MFM 4400 LCD meter CI 1 with RS485	WC4400110000	5675

Basic Multifunction Meters [9030]

4405 Series

Features

- Accuracy Class 1.0, 0.5
- Input voltage measurement range 50-520 VAC
- Aux supply 80-300 VAC/DC
- CT secondary site selectable 1A / 5A
- Flush mounting 96 x 96 mm
- CT/PT site programmable
- V, A, F, PF, kW, kVA, Old energy, On and Run hours, site selectable kWh/ kVAh
- True PF or Displacement PF site selectable

All parameters
of 4400 series
in 3 line
LED display



Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4405 LED meter CI 1	WL4405100000	6010
MFM 4405 LED meter CI 1 with RS485	WL4405110000	6785
MFM 4405 LED meter CI 0.5 with RS485	WL4405210000	7800
MFM 4405 LED meter CI 0.5S with RS485	WL4405310000	7865

Multifunction Meters [9030]

Features

- Accuracy Class 1.0, 0.5, 0.5S, 0.2, 0.2S
- Input voltage measurement range 50-520 VAC (P-P)
- Aux supply 80-300 VAC/DC
- CT secondary site selectable 1A / 5A
- Flush mounting 96 x 96 mm
- CT/PT site programmable
- 128 samples / cycle
- My favourite page in LCD multifunction meters site selectable for kWh + 2 parameters
- Dedicated buttons available for direct access to Basic, Power and Energy parameters

True and
Displacement
PF available

Constant Wh viewing in LCD
MFM even in auto scroll mode.
LCD offers better readability
of parameters



4410 Series

- Parameters: V, A, F, PF, kW, kVA, kVAR, kWh, kVAh, kVARh, Runhours, On hours, Phase angle, Interrupts, THD, Events (High-Low), Neutral Current, K Factor

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4410 LED meter CI 1	WL4410100000	8420
MFM 4410 LED meter CI 1 with RS485	WL4410110000	9165
MFM 4410 LED meter CI 0.5 with RS485	WL4410210000	10880
MFM 4410 LED meter CI 0.5S with RS485	WL4410310000	12025
MFM 4410 LED meter CI 0.2 with RS485	WL4410410000	14315
MFM 4410 LED meter CI 0.2S with RS485	WL4410510000	18320
MFM 4410 LCD meter CI 1	WC4410100000	9900
MFM 4410 LCD meter CI 1 with RS485	WC4410110000	10595
MFM 4410 LCD meter CI 0.5 with RS485	WC4410210000	12360
MFM 4410 LCD meter CI 0.5S with RS485	WC4410310000	13540
MFM 4410 LCD meter CI 0.2 with RS485	WC4410410000	15890
MFM 4410 LCD meter CI 0.2S with RS485	WC4410510000	20005

Multifunction Meters [9030]

4420 Series Max Demand Indicator (without Real time clock)

Parameters:

- All parameters of 4410 series
- Maximum Demand (kW & kVA)

2 Relay outputs
for MD Alarm

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4420 LED meter CI 1	WL4420100000	12400
MFM 4420 LED meter CI 1 with RS485	WL4420110000	12920
MFM 4420 LED meter CI 0.5 with RS485	WL4420210000	14610
MFM 4420 LED meter CI 0.5S with RS485	WL4420310000	15735
MFM 4420 LED meter CI 0.2 with RS485	WL4420410000	17980
MFM 4420 LED meter CI 0.2S with RS485	WL4420510000	21915
MFM 4420 LCD meter CI 1	WC4420100000	14200
MFM 4420 LCD meter CI 1 with RS485	WC4420110000	14720
MFM 4420 LCD meter CI 0.5 with RS485	WC4420210000	16485
MFM 4420 LCD meter CI 0.5S with RS485	WC4420310000	17655
MFM 4420 LCD meter CI 0.2 with RS485	WC4420410000	20005
MFM 4420 LCD meter CI 0.2S with RS485	WC4420510000	24135

For Max Demand Controller (with Real time clock)
please refer 6000 series

4430 Series MFM for IE

Parameters:

- All parameters of Model 4420 series
- Bi-directional (Import-Export)

2 Relay outputs
for MD Alarm

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4430 LED meter CI 1	WL4430100000	17400
MFM 4430 LED meter CI 1 with RS485	WL4430110000	17660
MFM 4430 LED meter CI 0.5 with RS485	WL4430210000	19260
MFM 4430 LED meter CI 0.5S with RS485	WL4430310000	20330
MFM 4430 LED meter CI 0.2 with RS485	WL4430410000	22475
MFM 4430 LED meter CI 0.2S with RS485	WL4430510000	26220
MFM 4430 LCD meter CI 1	WC4430100000	18500
MFM 4430 LCD meter CI 1 with RS485	WC4430110000	18725
MFM 4430 LCD meter CI 0.5 with RS485	WC4430210000	20330
MFM 4430 LCD meter CI 0.5S with RS485	WC4430310000	21400
MFM 4430 LCD meter CI 0.2 with RS485	WC4430410000	23540
MFM 4430 LCD meter CI 0.2S with RS485	WC4430510000	27290

4440 Series

Parameters:

- All parameters of 4410 series
- Maximum Demand with Real Time Clock (RTC)
- Events (high-low) with time stamp

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4440 LED meter CI 1 with RS485	WL4440110000	14775
MFM 4440 LED meter CI 0.5 with RS485	WL4440210000	16610
MFM 4440 LED meter CI 0.2 with RS485	WL4440410000	20310
MFM 4440 LCD meter CI 1 with RS485	WC4440110000	16005
MFM 4440 LCD meter CI 0.5 with RS485	WC4440210000	17845
MFM 4440 LCD meter CI 0.2 with RS485	WC4440410000	21540

Advanced Multifunction Meters [9030]

5000 Series

Features

- Datalog (8 MB)
- Bi-directional (Import - Export)
- 128 samples/ cycle
- Analog I/O, digital I/O variants available
- Meter with Ethernet port available

True and
Displacement
PF available

Parameters:

- V, A, F, kW, KVA, kVAh, kWh, kVAh, kVAh, PF, Runhr, Onhr, Interrupts, Phase angle, THD, Neutral current, Max Demand (with RTC) K Factor
- Bi-directional (Import-Export)
- Events (high-low) with time stamp
- Individual Harmonics upto 31st.
- My favourite page in LCD multifunction meters site selectable for kWh + 2 parameters

Constant Wh viewing in LCD
MFM even in auto scroll mode.
LCD offers better readability
of parameters



Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 5000 LED meter CI 1 with RS485	WL5000110000	32730
MFM 5000 LED meter CI 1 with Ethernet	WL5000120000	37190
MFM 5000 LED meter CI 0.5 with Ethernet	WL5000220000	38785
MFM 5000 LED meter CI 0.5S with Ethernet	WL5000320000	39850
MFM 5000 LCD meter CI 1 with RS485	WC5000110000	33800
MFM 5000 LCD meter CI 1 with Ethernet	WC5000120000	38255
MFM 5000 LCD meter CI 0.5 with RS485	WC5000210000	35385
MFM 5000 LCD meter CI 0.5S with RS485	WC5000310000	36455
MFM 5000 LCD meter CI 0.5 with Ethernet	WC5000220000	39850
MFM 5000 LCD meter CI 0.5S with Ethernet	WC5000320000	40910
MFM 5000 LCD meter CI 0.2 with RS485	WC5000410000	38575
MFM 5000 LCD meter CI 0.2S with RS485	WC5000510000	42295
MFM 5000 LED meter CI 1 RS485 2A/O	WL5000110BOO	35380
MFM 5000 LED meter CI 0.5 RS485 2D/I	WL5000210OBO	36975
MFM 5000 LED meter CI 0.5 RS485 4D/O	WL5000210OOD	38040
MFM 5000 LCD meter CI 1 RS485 2A/O	WC5000110BOO	36450
MFM 5000 LCD meter CI 0.5 RS485 2D/I	WC5000210OBO	38040
MFM 5000 LCD meter CI 0.5 RS485 4D/O	WC5000210OOD	39105
MFM 5000 LCD meter CI 1 + RS485, 1AO, 1DO	WC5000110AOA	36685

5000 series with Digital outputs are preconfigured for
I - THD% at 8% and True PF at 0.98.

Meter can be site selected for parameters and values - A THD, V THD, VA, W, under PF, under/over (VLL, A, F) with programmable trip time (1 to 180 sec) to protect the equipments from electrical abnormalities.

Parameters	Data Log Interval			
	15 Min	30 Min	45 Min	60 Min
	No. of Days			
1	10230	20460	30690	40920
2	6820	13640	20460	27280
4	4092	8184	12276	16368
9	2046	4092	6138	8184
14	1364	2728	4092	5456
29	682	1364	2046	2728



Advanced Multifunction Meters [9030]

5010 Series

Features

- 128 samples / cycle
- Running demand, max demand, prediction demand in single page window

Parameters:

- V, A, F, kW, KVA, kVAh, kWh, kVAh, PF, Runhr, Onhr, Interrupts, Phase angle, THD, Neutral current, Max Demand (with RTC)
- Bi-directional (Import-Export)
- Events (high-low) with time stamp
- Individual Harmonics upto 31st.

True and Displacement PF available



Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 5010 LED meter CI 1	WL5010100000	12600
MFM 5010 LED meter CI 1 with RS485	WL5010110000	13145
MFM 5010 LED meter CI 0.5S	WL5010300000	15500
MFM 5010 LED meter CI 0.5S with RS485	WL5010310000	15880
MFM 5010 LED meter CI 0.2 with RS485	WL5010410000	18075

Maximum Demand Controller [9030]

6000 Series

Features

- Accuracy Class 1.0, 0.5S
- Input voltage measurement range 50-520 VAC (P-P)
- Aux supply 80-300 VAC/DC
- CT secondary site selectable 1A / 5A
- Flush mounting 96 x 96 mm
- CT/PT site programmable
- Datalog (8MB)
- 4 relay outputs for Max. demand controller
- Time of Day (TOD) 6 slots available
- Block/sliding window site selectable
- Running demand, max demand, prediction demand in single page window
- Individual harmonics upto 31st

8MB Datalog preconfigured for 9 parameters including kWh, Running demand and Max Demand for 15 mins interval

Parameters:

- V, A, F, kW, KVA, kVAh, kWh, kVAh, PF, Runhr, Onhr, Intr, Phase angle, THD, Events, Neutral current, Max Demand (with RTC)



True and Displacement PF available

Description	Cat. No.	M.R.P. (₹) Per Unit
MDC 6000 LED meter CI 1 with RS485	WL6000110000	27990
MDC 6000 LED meter CI 0.5S with RS485	WL6000310000	30680
MDC 6000 LCD meter CI 1 with RS485	WC6000110000	29065
MDC 6000 LCD meter CI 0.5S with RS485	WC6000310000	31760

Prepaid Metering Solutions with SmartComm EMS [9030]



- Dual source meters by default
- Class 1 accuracy as per IS 15884
- Ratings : 1P (10-60A) : 3P (10-60A, 20-80A, CT operated)
- Parameters: V, A, PF, W, VA, Wh - EB, DG
- Communication: Wired (Modbus RS485) or Wireless (LoRaWAN)
- Facility for connection or disconnection of electric supply based on the credit balance in the meter through relay
- Optional
 - In RS485 model upto 4DI for water and gas meter
 - In LoRaWAN model upto 2DI for water and gas meters
- Wireless postpaid or prepaid metering solutions for large townships on SmartComm EMS Platform available.
- With LoRaWAN technology, meters upto 1 km approx from LoRa Gateway can be monitored without Line of sight.
- Prices available on request.

New Smartcomm Edge [8517]

SMARTCOMM Edge

Gateways and converters from the backbone of interconnected networks, and are a crucial link between our devices and cloud-based or on-premises softwares. They facilitate seamless communication, protocol translation, and data aggregation from various type of devices, enabling efficient data transmission and integration.

MQ1000

- MQTT Gateway with ethernet port
- Easy integration with Smartcomm EMS Cloud
- Compact & Secure
- Data storage in case of network failure



Description	Cat. No.	M.R.P. (₹) Per Unit
MQTT Gateway with Ethernet port	MQ10000000	36000

TG1000

- Modbus RS485 to MODBUS TCP/IP Gateway
- Easy integration with Smartcomm EMS/PMS On-prem or 3rd party Software/HMI



Description	Cat. No.	M.R.P. (₹) Per Unit
MODBUS RTU to TCP/IP Gateway	TG10000000	20000

Empowering You with Energy Insights, Anytime, Anywhere!



EMS on Cloud simplifies energy monitoring with real time data

Smartcomm EMS on Cloud empowers business owners and plant heads to seamlessly monitor energy usage & efficiency across operations and facilities. With our subscription-based software license, harness the power of cloud with minimal investment, faster deployment, seamless updates and easy scalability. Businesses owners can now track and take decisions on energy optimization based on real-time as well as historical insights, thereby reducing energy costs and increasing business efficiency.

- **Accessibility:** Accessible from anywhere, enabling remote monitoring and management
- **Cost-Effectiveness:** Lower upfront costs reducing IT maintenance expenses
- **Integration:** Integrate with IoT devices for a comprehensive energy management solution
- **Updates and Maintenance:** Automatic software updates and maintenance
- **Data Analytics:** Data Analytics at its best through widget-based dashboards and reports
- **Key Performance Indicators:** Intelligent Notifications through SMS and Email based alerts and alarms

Customer Interaction Center (CIC)

BSNL/MTNL(toll free):1800 233 5858 Reliance (toll free):1800 200 5858

Tel: 022 6774 5858 Email:cic@Lntbg.com Web: Lntbg.com



AC Drive Solutions from L&T Electrical & Automation

Based on experience. Backed by commitment.



Hx2000 | HVAC Drive

Hx2000 AC drive adds a new dimension to our AC Drive Solutions.

Built to stringent quality standards, the Hx2000 is tested and certified to meet global benchmarks, thus giving you the assurance of total reliability.

It sets the standard for the drive industry by introducing Innovative Energy Reduction, Environment friendly features for HVAC System that incorporates the outstanding energy saving benefits for Fans & Pump application.

Range: 0.75kW to 90kW

Features:

- Built-in RTC for Scheduling
- Built-in EMC filter as default (C3)
- Built-in 4 PID (1 Main & 3 EPID)
- Multiple-Motor Control (1 main motor and 5 auxiliary motors)
- Built-in Payback Counter
- Pump Clean Control
- V/F, Slip Compensation
- Fire Mode
- Flow Compensation
- Password Protection
- Built-in RS485 Communication for HVAC - BACnet, Modbus-RTU, Metasys N2
- Lubrication Control
- Dry Pump Detection
- Global Compliant- UL Plenum Rated, CE

Customer Interaction Center (CIC)

BSNL / MTNL (toll free): 1800 233 5858 Reliance (toll free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com



Nx2000⁺

High on compactness,
Higher on functionality



- Complying to IEC 61800 - 3 Standard
- Reduced electrical noise and more immune to external noise



- LTOP-DOP-52 : Easy to mount on panel door
- Comes with 3 metre cable



- 2 Nos Multifunctional Relay Output
- Rating: 250VAC/30VDC-1A



- Easy to fix
- Allows quick installation for side by side mounting

Fx2000

Internally mounted
PLC optional module



- Digital Points: 6 Nos (NPN/PNP)
- Digital Output points: 4 Nos (Relay)
- RS-232 port to download program from KGLWIN
- RS485 (Modbus-RTU) port for Master/Slave Configuration
- 2 Nos LED indication (Green: RUN LED, Red: ERROR LED)
- 3 step switch for RUN, PAU/REM, STOP
- Built-in RTC (Real Time Clock) for various Clock functions
- Data of latch area and RTC data through using CR2032 lithium battery



AC Drives [8504]



New Series Nx2000 & Nx2000+



- Range: 0.2 kW to 11 kW
- Simplified sensorless vector control
- Built-in EMC filter to meet IEC 61800-3
- Built-in Potentiometer
- DIN Rail mounting for Side-by-Side installation
- Built-in PID
- Built-in Brake Control
- Conformal Coating complying to IEC 60721-3-3 class 3C3 Avg.
- Built-in RS485 Modbus RTU
- Interface:
Nx2000: 5DI, 2DO (R), 2AI (V & V/I), 1AO (V)
Nx2000+: 5DI, 2DO (R), 2AI (V & I), 1AO (V)

Input Voltage	Description	Cat. No.	M.R.P. (₹) Per Unit
Single Phase 230VAC	Nx2000 230V 1Ph Drive 0.20 kW (HD)	LTVF-N101P4BAA	*
	Nx2000 230V 1Ph Drive 0.40 kW (HD)	LTVF-N102P4BAA	*
	Nx2000 230V 1Ph Drive 0.75 kW (HD)	LTVF-N104P2BAA	*
	Nx2000 230V 1Ph Drive 1.50 kW (HD)	LTVF-N107P5BAA	*
	Nx2000 230V 1Ph Drive 2.20 kW (HD)	LTVF-N110P0BAA	*
Three Phase 230VAC	Nx2000+ 230V Drive 0.40kW(HD)/0.75kW(ND)	LTVF-N203P1BAA	*
	Nx2000+ 230V Drive 0.75kW(HD)/1.50kW(ND)	LTVF-N206P0BAA	*
	Nx2000+ 230V Drive 1.50kW(HD)/2.20kW(ND)	LTVF-N209P6BAA	*
	Nx2000+ 230V Drive 2.20kW(HD)/3.70kW(ND)	LTVF-N212P0BAA	*
	Nx2000+ 230V Drive 4.00kW(HD)/5.50kW(ND)	LTVF-N218P0BAA	*
	Nx2000+ 230V Drive 5.50kW(HD)/7.50kW(ND)	LTVF-N230P0BAA	*
	Nx2000+ 230V Drive 7.50kW(HD)/11.0kW(ND)	LTVF-N240P0BAA	*
Three Phase 415VAC	Nx2000+ 415V Drive 0.40kW(HD)/0.75kW(ND)	LTVF-N402P0BAA	*
	Nx2000+ 415V Drive 0.75kW(HD)/1.50kW(ND)	LTVF-N403P1BAA	*
	Nx2000+ 415V Drive 1.50kW(HD)/2.20kW(ND)	LTVF-N405P1BAA	*
	Nx2000+ 415V Drive 2.20kW(HD)/3.70kW(ND)	LTVF-N406P9BAA	*
	Nx2000+ 415V Drive 4.00kW(HD)/5.50kW(ND)	LTVF-N410P0BAA	*
	Nx2000+ 415V Drive 5.50kW(HD)/7.50kW(ND)	LTVF-N416P0BAA	*
	Nx2000+ 415V Drive 7.50kW(HD)/11.0kW(ND)	LTVF-N423P0BAA	*

Note: * For prices please contact nearest branch office

Smart Series Sx2000



- Range: 0.75kW to 90kW
- Starting Torque: 150% at 3 Hz for V/F, 200% at 0.5Hz for Sensorless Vector Control
- Built-in Brake Control
- Built-in PLC functionality
- Peer to Peer Communication to share I/O's
- Conformal Coating complying to IEC 60721-3-3 Class 3C3 Avg.
- Built-in RS485 Modbus RTU
- Component Life Monitor
- Built-in Braking Chopper till 30kW ND
- Interface :
Upto 30kW ND: 7DI, 2DO (R+T), 2AI (V & V/I), 1AO (V/I)
From 37kW ND: 7DI, 3DO (2R+T), 2AI (V & V/I), 2AO (V & V/I)

Input Voltage	Description	Cat. No.	M.R.P. (₹) Per Unit
Single Phase 230Vac	Sx2000 VVVF 230V 1Ph Drive 0.40 kW (HD) / 0.75 kW (ND)	LTVF-S10003BAA	*
	Sx2000 VVVF 230V 1Ph Drive 0.75 kW (HD) / 1.5 kW (ND)	LTVF-S10006BAA	*
	Sx2000 VVVF 230V 1Ph Drive 1.5 kW (HD) / 2.20 kW (ND)	LTVF-S10010BAA	*
	Sx2000 VVVF 230V 1Ph Drive 2.2 kW (HD) / 3.70 kW (ND)	LTVF-S10012BAA	*
Three Phase 230Vac	Sx2000 VVVF 230V 3Ph Drive 0.40 kW (HD) / 0.75 kW (ND)	LTVF-S20003BAA	*
	Sx2000 VVVF 230V 3Ph Drive 0.75 kW (HD) / 1.5 kW (ND)	LTVF-S20006BAA	*
	Sx2000 VVVF 230V 3Ph Drive 1.5 kW (HD) / 2.20 kW (ND)	LTVF-S20010BAA	*
	Sx2000 VVVF 230V 3Ph Drive 2.2 kW (HD) / 3.70 kW (ND)	LTVF-S20012BAA	*
	Sx2000 VVVF 230V 3Ph Drive 4.0 kW (HD) / 5.5 kW (ND)	LTVF-S20018BAA	*
	Sx2000 VVVF 230V 3Ph Drive 5.5 kW (HD) / 7.5 kW (ND)	LTVF-S20030BAA	*
	Sx2000 VVVF 230V 3Ph Drive 7.5 kW (HD) / 11 kW (ND)	LTVF-S20040BAA	*
	Sx2000 VVVF 230V 3Ph Drive 11 kW (HD) / 15 kW (ND)	LTVF-S20056BAA	*
	Sx2000 VVVF 230V 3Ph Drive 15 kW (HD) / 18.5 kW (ND)	LTVF-S20069BAA	*
	Sx2000 VVVF 415V Drive 0.40 kW (HD) / 0.75 kW (ND)	LTVF-S40002BAA	*
Three Phase 415Vac	Sx2000 VVVF 415V Drive 0.75 kW (HD) / 1.50 kW (ND)	LTVF-S40003BAA	*
	Sx2000 VVVF 415V Drive 1.50 kW (HD) / 2.20 kW (ND)	LTVF-S40005BAA	*
	Sx2000 VVVF 415V Drive 2.20 kW (HD) / 3.7 kW (ND)	LTVF-S40007BAA	*
	Sx2000 VVVF 415V Drive 4.00 kW (HD) / 5.50 kW (ND)	LTVF-S40010BAA	*
	Sx2000 VVVF 415V Drive 5.50 kW (HD) / 7.50 kW (ND)	LTVF-S40016BAA	*
	Sx2000 VVVF 415V Drive 7.50 kW (HD) / 11.0 kW (ND)	LTVF-S40023BAA	*
	Sx2000 VVVF 415V Drive 11.0 kW (HD) / 15.0 kW (ND)	LTVF-S40030BAA	*
	Sx2000 VVVF 415V Drive 15.0 kW (HD) / 18.5 kW (ND)	LTVF-S40038BAA	*
	Sx2000 VVVF 415V Drive 18.5 kW (HD) / 22.0 kW (ND)	LTVF-S40044BAA	*
	Sx2000 VVVF 415V Drive 22.0 kW (HD) / 30.0 kW (ND)	LTVF-S40058BAA	*
	Sx2000 VVVF 415V Drive 30.0 kW (HD) / 37.0 kW (ND)	LTVF-S40075BAA	*
	Sx2000 VVVF 415V Drive 37.0 kW (HD) / 45.0 kW (ND)	LTVF-S40091BAA	*
	Sx2000 VVVF 415V Drive 45.0 kW (HD) / 55.0 kW (ND)	LTVF-S40107BAA	*
	Sx2000 VVVF 415V Drive 55.0 kW (HD) / 75.0 kW (ND)	LTVF-S40142BAA	*
	Sx2000 VVVF 415V Drive 75.0 kW (HD) / 90.0 kW (ND)	LTVF-S40169BAA	*

Note:

* For prices please contact nearest branch office
Drives are covered under HS code 8504 40 90 and are charged at 18% GST.

Smart Series Sx2000 IP66



- Range: 0.40 to 22kW (HD)
- V/F, Slip Compensation, Sensorless Vector Control
- Starting Torque: 150% at 3Hz for V/F, 200% at 0.5Hz for Sensorless Vector Control
- Conformal Coating complying to IEC 60721-3-3, Class 3C3 Avg.
- Built-in RS485 Modbus
- Peer to Peer communication to share I/Os
- Built-in Brake Control
- Built-in PLC functionality
- Component Life Monitor
- Built-in PID
- Built-in Braking Chopper
- Interface: 5DI, 2DO (R+T), 2AI (V & I/I), 1AO (V/I)

Input Voltage	Description	Cat. No.	M.R.P. (₹) Per Unit
Three Phase 415Vac	Sx2000 VVVF 415V IP66 Drive 0.40 kW (HD)	LTVF-S40001XAA	*
	Sx2000 VVVF 415V IP66 Drive 0.75 kW (HD)	LTVF-S40003XAA	*
	Sx2000 VVVF 415V IP66 Drive 1.50 kW (HD)	LTVF-S40004XAA	*
	Sx2000 VVVF 415V IP66 Drive 2.20 kW (HD)	LTVF-S40006XAA	*
	Sx2000 VVVF 415V IP66 Drive 4.00 kW (HD)	LTVF-S40009XAA	*
	Sx2000 VVVF 415V IP66 Drive 5.50 kW (HD)	LTVF-S40012XAA	*
	Sx2000 VVVF 415V IP66 Drive 7.50 kW (HD)	LTVF-S40016XAA	*
	Sx2000 VVVF 415V IP66 Drive 11.0 kW (HD)	LTVF-S40024XAA	*
	Sx2000 VVVF 415V IP66 Drive 15.0 kW (HD)	LTVF-S40030XAA	*
	Sx2000 VVVF 415V IP66 Drive 18.5 kW (HD)	LTVF-S40039XAA	*
	Sx2000 VVVF 415V IP66 Drive 22.0 kW (HD)	LTVF-S40045XAA	*

Note: * For prices please contact nearest branch office

Flexi Series Fx2000



- Range: 0.75kW to 375kW (HD)
- Ideal for Heavy Duty Applications - Crane, Winder, Textile Application, Plastic extruders
- Starting Torque: 250% at 0Hz for Closed Loop Vector Control
- Overload Capacity: 200% for 3 sec and 150% for 1 min
- Built-in Crane function
- Optional Smart PLC Card
- Conformal Coating complying to IEC 60721-3-3 Class 3C3 Avg.
- Built-in RS485 Modbus RTU
- Built-in DC Reactor from 22kW to 220kW HD
- Built-in Braking Chopper till 22kW HD
- Interface : 8DI, 3DO (2R+1T), 2AI (V & I), 2AO (V & I)

Input Voltage	Description	Cat. No.	M.R.P. (₹) Per Unit
Three Phase 415Vac	Fx2000 VVVF 415V Drive 0.75 kW (HD) / 1.50 kW (ND)	LTVF-F40004CAA	*
	Fx2000 VVVF 415V Drive 1.50 kW (HD) / 2.20 kW (ND)	LTVF-F40006CAA	*
	Fx2000 VVVF 415V Drive 2.20 kW (HD) / 3.70 kW (ND)	LTVF-F40008CAA	*
	Fx2000 VVVF 415V Drive 3.70 kW (HD) / 4.00 kW (ND)	LTVF-F40012CAA	*
	Fx2000 VVVF 415V Drive 5.50 kW (HD) / 7.50 kW (ND)	LTVF-F40016CAA	*
	Fx2000 VVVF 415V Drive 7.50 kW (HD) / 11.0 kW (ND)	LTVF-F40024CAA	*
	Fx2000 VVVF 415V Drive 11.0 kW (HD) / 15.0 kW (ND)	LTVF-F40030CAA	*
	Fx2000 VVVF 415V Drive 15.0 kW (HD) / 18.5 kW (ND)	LTVF-F40039CAA	*
	Fx2000 VVVF 415V Drive 18.5 kW (HD) / 22.0 kW (ND)	LTVF-F40045CAA	*
	Fx2000 VVVF 415V Drive 22.0 kW (HD) / 30.0 kW (ND)	LTVF-F40061CAA	*
	Fx2000 VVVF 415V Drive 30.0 kW (HD) / 37.0 kW (ND)	LTVF-F40075CAA	*
	Fx2000 VVVF 415V Drive 37.0 kW (HD) / 45.0 kW (ND)	LTVF-F40091CAA	*
	Fx2000 VVVF 415V Drive 45.0 kW (HD) / 55.0 kW (ND)	LTVF-F40110CAA	*
	Fx2000 VVVF 415V Drive 55.0 kW (HD) / 75.0 kW (ND)	LTVF-F40152CAA	*
	Fx2000 VVVF 415V Drive 75.0 kW (HD) / 90.0 kW (ND)	LTVF-F40183CAA	*
	Fx2000 VVVF 415V Drive 90.0 kW (HD) / 110 kW (ND)	LTVF-F40223AAA	*
	Fx2000 VVVF 415V Drive 110 kW (HD) / 132 kW (ND)	LTVF-F40264AAA	*
	Fx2000 VVVF 415V Drive 132 kW (HD) / 160 kW (ND)	LTVF-F40325AAA	*
	Fx2000 VVVF 415V Drive 160 kW (HD) / 185 kW (ND)	LTVF-F40370AAA	*
	Fx2000 VVVF 415V Drive 185 kW (HD) / 220 kW (ND)	LTVF-F40432AAA	*
	Fx2000 VVVF 415V Drive 220 kW (HD) / 285 kW (ND)	LTVF-F40547AAA	*
	Fx2000 VVVF 415V Drive 285 kW (HD) / 315 kW (ND)	LTVF-F40613AAA	*
	Fx2000 VVVF 415V Drive 315 kW (HD) / 375 kW (ND)	LTVF-F40731AAA	*
	Fx2000 VVVF 415V Drive 375 kW (HD) / 450 kW (ND)	LTVF-F40877AAA	*

Note:

* For prices please contact nearest branch office
Drives are covered under HS code 8504 40 90 and are charged at 18% GST.



AC Drives [8504]

HVAC Series Hx2000



- Range: 0.75 to 90kW
- V/F, Slip Compensation
- Built-in RTC for Scheduling
- Built-in EMC filter class C3
- Password Protection
- Multi-motor Control
- Built-in Payback Counter
- Dry Pump Detection
- Built-in 4 PID (1 Main & 3 EPID)
- Built-in RS485 Communication, BACnet, Modbus-RTU, Metasys N2
- Global Specification Compliant - CE, UL (Plenum Rated)
- Conformal Coating complying to IEC 60721-3-3, Class 3C2 (3C3 Avg.)
- Interface: 7DI, 6DO (5R+1T), 2AI (V & V/I), 2AO (V & V/I)

Input Voltage	Description	Cat. No.	M.R.P. (₹) Per Unit
Three Phase 415Vac	Hx2000 VVVF 415V Drive 0.75 kW (ND)	LTVF-H40002BAA	*
	Hx2000 VVVF 415V Drive 1.50 kW (ND)	LTVF-H40004BAA	*
	Hx2000 VVVF 415V Drive 2.20 kW (ND)	LTVF-H40006BAA	*
	Hx2000 VVVF 415V Drive 3.7 kW (ND)	LTVF-H40008BAA	*
	Hx2000 VVVF 415V Drive 5.50 kW (ND)	LTVF-H40012BAA	*
	Hx2000 VVVF 415V Drive 7.50 kW (ND)	LTVF-H40016BAA	*
	Hx2000 VVVF 415V Drive 11.0 kW (ND)	LTVF-H40024BAA	*
	Hx2000 VVVF 415V Drive 15.0 kW (ND)	LTVF-H40030BAA	*
	Hx2000 VVVF 415V Drive 18.5 kW (ND)	LTVF-H40038BAA	*
	Hx2000 VVVF 415V Drive 22.0 kW (ND)	LTVF-H40045BAA	*
	Hx2000 VVVF 415V Drive 30.0 kW (ND)	LTVF-H40061BAA	*
	Hx2000 VVVF 415V Drive 37.0 kW (ND)	LTVF-H40075BAA	*
	Hx2000 VVVF 415V Drive 45.0 kW (ND)	LTVF-H40091BAA	*
	Hx2000 VVVF 415V Drive 55.0 kW (ND)	LTVF-H40107BAA	*
	Hx2000 VVVF 415V Drive 75.0 kW (ND)	LTVF-H40142BAA	*
	Hx2000 VVVF 415V Drive 90.0 kW (ND)	LTVF-H40169BAA	*

Note: * For prices please contact nearest branch office

Accessories for AC Drives [8504]

Drive Model	Description	Cat. No.	M.R.P. (₹) Per Unit
Nx2000	Nx2000 Remote Keypad with 3m cable	LTOP-DOP-51	*
Nx2000+	Nx2000+ Remote Keypad with 3m cable	LTOP-DOP-52	*
	CANOpen Comm Card for Nx2000+	LTCI-CAN-NP	*
	Eth.IP/Mod.TCP/RAPIEnet Opt for Nx2000+	LTCI-ETH-NP	*
	Profibus-DP Comm Card for Nx2000+	LTCI-PDP-NP	*
Sx2000	Sx2000 Remote Keypad with 3m cable	LTOP-DOP-150	*
	LCD Digital Operator	LTOP-DOP-200	*
	I/O Expansion Card for Sx2000	LTIO-EXP-S	*
	CANOpen Communication card	LTCI-CAN-S	*
	Profibus-DP Communication card	LTCI-PDP-S	*
	Profinet option card for Sx2000	LTCI-PFN-S	*
	Ethernet IP - Modbus TCP Communication card	LTCI-ETH-S	*
Fx2000	LCD Digital Operator	LTOP-DOP-200	*
	I/O Expansion Card 1 for Fx2000	LTIO-EX1-F	*
	I/O Expansion Card 2 for Fx2000	LTIO-EX2-F	*
	Synchronization Option Card	LTCN-SYN-F	*
	Position control option card for Fx2000	LTCN-PCN-F	*
	Incremental card for Open collector and Line Driver Encoder	LTEN-INC-F	*
	Application Development PLC Option card	LTAD-PLC-F	*
	Profibus-DP Communication Interface card	LTCI-PDP-F	*
	Profinet option card for Fx2000	LTCI-PFN-F	*
	CANOpen Communication Interface card	LTCI-CAN-F	*
	DeviceNet Communication Interface card	LTCI-DEN-F	*
	Ethernet IP/Modbus TCP Communication Interface card	LTCI-ETH-F	*
Hx2000	I/O Expansion Card for Hx2000	LTIO-EXP-H	*
	I/O Expansion Card 2 for Hx2000	LTIO-EXP2-H	*
DBU for Sx2000, Fx2000	Dynamic Braking Unit for 11 - 15kW	LTDBU-0150-4	*
	Dynamic Braking Unit for 18.5 - 22kW	LTDBU-0220-4	*
	Dynamic Braking Unit for 30 - 37kW	LTDBU-0370-4	*
	Dynamic Braking Unit for 45 - 55kW	LTDBU-0550-4	*
	Dynamic Braking Unit for 75kW	LTDBU-0750-4	*
	Dynamic Braking Unit for 75kW 100% ED	LTDBU-075H-4	*
	Dynamic Braking Unit for 220 - 375kW	LTDBU-2200-4	*

Note:

* For prices please contact nearest branch office
Drives are covered under HS code 8504 40 90 and are charged at 18% GST.

Integrate your pumping solution with **EMX4** soft starters streamlined setup process



**PRODUCT RANGE:
24A to 1250A**



Features :

- Inbuilt Real Time Clock (RTC)
- Compact Design - Saves valuable space in panel
- On-board USB provides quick setup and backup
- Extensive voltage range - 200VAC to 525VAC, 380VAC to 690VAC
- IE3 Compatible and 99% energy efficient when running
- Smart cards Analog output Optional features for advanced applications
- Communication options: DeviceNet, Ethernet/IP, Modbus RTU, Modbus TCP, Profibus, Profinet

Customer Interaction Center (CIC)

BSNL / MTNL (toll-free): 1800 233 5858 Reliance (toll-free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com



EMX4e Soft Starters



- Range: 24A to 580A
- Built in bypass contactor
- Compact & Flexible Design
- Screw-less design for easy and fast servicing
- USB port for easy and fast commissioning and data extraction
- Full graphical display with multi-languages support
- Built-in Simulation Mode
- 384 event logs
- Communication options available
- Fire Mode Function
- Starts per hour count

Description	Cat. No.	M.R.P. (₹) Per Unit	Bypass Contactor
EMX4e, 24A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0024B-511	*	Built - In
EMX4e, 42A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0042B-511	*	
EMX4e, 52A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0052B-511	*	
EMX4e, 64A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0064B-511	*	
EMX4e, 69A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0069B-511	*	
EMX4e, 105A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0105B-511	*	
EMX4e, 115A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0115B-511	*	
EMX4e, 135A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0135B-511	*	
EMX4e, 184A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0184B-511	*	
EMX4e, 200A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0200B-511	*	
EMX4e, 229A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0229B-511	*	
EMX4e, 250A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0250B-511	*	
EMX4e, 352A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0352B-511	*	
EMX4e, 397A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0397B-511	*	
EMX4e, 410A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0410B-511	*	
EMX4e, 550A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0550B-511	*	
EMX4e, 580A, Main 200-525Vac, CTR 110-240Vac	EMX4e-0580B-511	*	

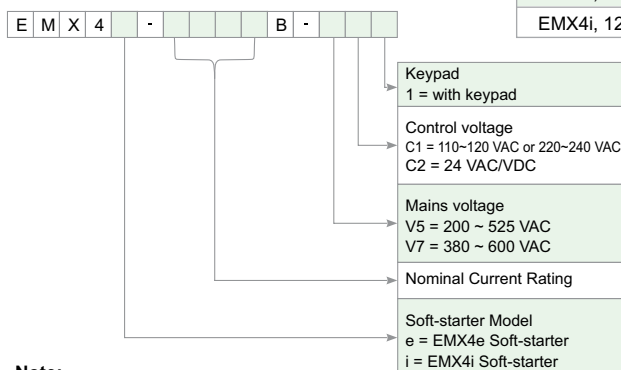
EMX4i Soft Starters



- Range: 24A to 1250A
- Built in bypass contactor
- Compact & Flexible Design
- Screw-less design for easy and fast servicing
- USB port for easy and fast commissioning and data extraction
- Full graphical display with multi-languages support
- Real time graphs of motor operating performance
- 384 event logs with time stamping
- Advanced protection system
- Communication options available
- Smart card for level controlled pump activation and pump protection
- Under Voltage / Over Voltage protection available
- Fire Mode Function
- Starts per hour count
- Power through function available
- Scheduling based on RTC

Description	Cat. No.	M.R.P. (₹) Per Unit	Bypass Contactor
EMX4i, 24A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0024B-511	*	Built - In
EMX4i, 42A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0042B-511	*	
EMX4i, 52A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0052B-511	*	
EMX4i, 64A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0064B-511	*	
EMX4i, 69A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0069B-511	*	
EMX4i, 105A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0105B-511	*	
EMX4i, 115A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0115B-511	*	
EMX4i, 135A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0135B-511	*	
EMX4i, 184A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0184B-511	*	
EMX4i, 200A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0200B-511	*	
EMX4i, 229A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0229B-511	*	
EMX4i, 250A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0250B-511	*	
EMX4i, 352A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0352B-511	*	
EMX4i, 397A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0397B-511	*	
EMX4i, 410A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0410B-511	*	
EMX4i, 550A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0550B-511	*	
EMX4i, 580A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0580B-511	*	
EMX4i, 835A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0835B-511	*	
EMX4i, 940A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0940B-511	*	
EMX4i, 1070A, Main 200-525Vac, CTR 110-240Vac	EMX4i-1070B-511	*	
EMX4i, 1230A, Main 200-525Vac, CTR 110-240Vac	EMX4i-1230B-511	*	
EMX4i, 1250A, Main 200-525Vac, CTR 110-240Vac	EMX4i-1250B-511	*	
EMX4i, 735A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0735C-511	*	External bypass contactor (AC1 rating)
EMX4i, 830A, Main 200-525Vac, CTR 110-240Vac	EMX4i-0830C-511	*	
EMX4i, 1025A, Main 200-525Vac, CTR 110-240Vac	EMX4i-1025C-511	*	
EMX4i, 1170A, Main 200-525Vac, CTR 110-240Vac	EMX4i-1170C-511	*	
EMX4i, 1220A, Main 200-525Vac, CTR 110-240Vac	EMX4i-1220C-511	*	\$ All protections remain active during bypass operation

Ordering Information for **EMX4** Soft Starter



Note:

* For prices please contact nearest branch office
Soft Starters are covered under HS code 8504 40 90 and are charged at 18% GST.

We recommend the use of :

1. Line Contactor : This will isolate and protect the soft starter SCR's from any voltage transient while it's not in operation.
2. Semiconductor fuses : This will protect the starter SCR's during starting and stopping states from current transient's and excess I²T.

Digital Soft Starters [8504]

CSX Soft Starters



CSXi Soft Starters



Motor kW	Cat. No.	M.R.P. (₹) Per Unit
7.5	CSX-007-41	*
15	CSX-015-41	*
18	CSX-018-41	*
22	CSX-022-41	*
30	CSX-030-41	*
37	CSX-037-41	*
45	CSX-045-41	*
55	CSX-055-41	*
75	CSX-075-41	*
90	CSX-090-41	*
110	CSX-110-41	*

Motor kW	Cat. No.	M.R.P. (₹) Per Unit
7.5	CSXi-007-41	*
15	CSXi-015-41	*
18	CSXi-018-41	*
22	CSXi-022-41	*
30	CSXi-030-41	*
37	CSXi-037-41	*
45	CSXi-045-41	*
55	CSXi-055-41	*
75	CSXi-075-41	*
90	CSXi-090-41	*
110	CSXi-110-41	*

Note:

* For prices please contact nearest branch office

The above CSX & CSXi ratings are based on 400% starting current, 10 starts per hour up to 30kW & 6 starts per hour for 37kW & above, 6 seconds starting time and ambient temperature of 45°C.

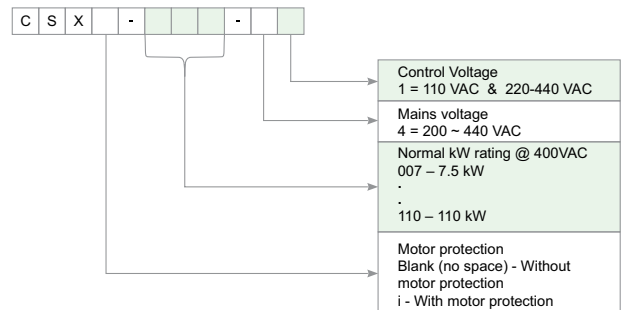
For proper sizing of soft starter based on the application parameters please use Winstart Software.

Optional Modules/Cards for CSX / CSXi / EMX4



Description	Cat. No.	M.R.P. (₹) Per Unit
Modbus Interface	PIM-MB-01	*
Profibus Interface	PIM-PB-01	*
DeviceNet Interface	PIM-DN-01	*
USB Interface	PIM-USB-01	*
Modbus TCP Module	PIM-MT-01	*
Ethernet IP Module	PIM-EI-01	*
Profinet Module	PIM-PN-01	*
DeviceNet Card, EMX4	PIC-DN-01	*
Ethernet IP Card, EMX4	PIC-EI-01	*
Modbus RTU Card, EMX4	PIC-MB-01	*
Modbus TCP Card, EMX4	PIC-MT-01	*
Profibus Card, EMX4	PIC-PB-01	*
Profinet Card, EMX4	PIC-PN-01	*
Remote Keypad Card, EMX4	PIC-RC-01	*
Remote Keypad Card & Keypad EMX4	PIC-RC-02	*
Remote Keypad with cable & mounting kit, EMX4	PIC-RK-01	*
Smart Control Card Pump Application, EMX4	SCC-PC-01	*
Ground Fault + Ethernet IP Card EMX4	PIC-EI-02	*
Ground Fault + Modbus RTU Card EMX4	PIC-MB-02	*
Ground Fault + Modbus TCP Card EMX4	PIC-MT-02	*
Ground Fault + Profinet Card EMX4	PIC-PN-02	*

Ordering Information for CSX Series Soft Starter



CSX Soft Starters : For Standard Applications

- Inbuilt Bypass Contactor
- Soft Start / Soft Stop
- Compact
- Complements existing motor protection
- Truly plug & play
- Communication options available

CSXi Soft Starters : For standard applications

- Inbuilt Bypass Contactor
- Soft start / Soft stop / Adjustable current limit
- Essential motor protections against
 - Overload
 - Single phasing
 - Instantaneous overcurrent
 - Phase sequence reversal
 - Abnormality in supply
 - Unbalanced current
- Thermistor protection through PTC
- Excess start time setting
- Communication options available
- PC Interface as optional

We recommend the use of :

1. Line Contactor : This will isolate and protect the soft starter SCR's from any voltage transient while it's not in operation.
2. Bypass Contactor (For models without built-in bypass) : This will bypass and protect the soft starter SCR's while in running state from Current and Voltage transient's.
3. Semiconductor fuses : This will protect the starter SCR's during starting and stopping states from current transient's and excess I²T.

Note:

EMX3 soft starters will be available till stock lasts

* For prices please contact nearest branch office

Soft Starters are covered under HS code 8504 40 90 and are charged at 18% GST.



Human Machine Interface

iXP2 Series

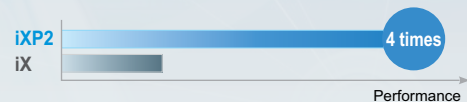
Intelligent XT Panel



iXP2 provides optimal performance for all industrial sites.

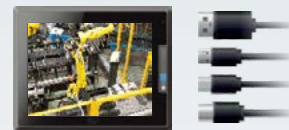
- **Dual-Core CPU offers high-speed communication and processing**

Better performance than ever with enhanced serial communication, CPU processing, memory access and vector/raster graphic processing



- **Multiple interface methods to cope with the Internet of Things**

Ethernet 2ch., HDMI / Audio output, USB host / device, multimedia (video)



- **Robust IP66 Aluminium frame**

Reinforced protection against water and dust. Conforms to NEMA 4X standard.



- **Screen gesture**

Flick to change screens.

No extra switching button is needed to change screens.



- **Object gesture**

Select the object you want and then swipe and flick it.

Object list

• Logging trend graph • View logging history • View history alarms



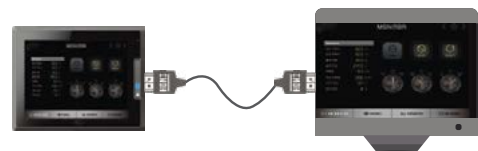
- **Multi-touch**

Use multi-touch to protect your system from undesired errors.

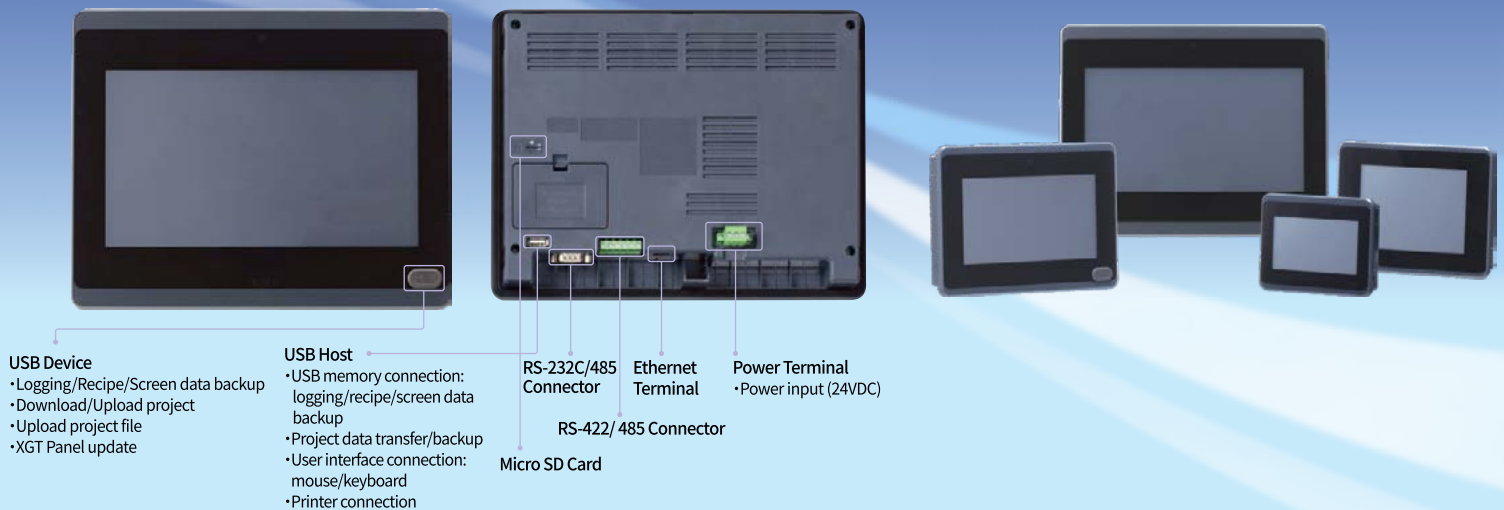


- **Dual monitor mode and extension mode**

Increase your convenience by duplicating or extending your screens.



s-XT Reloaded



► Portrait Mode



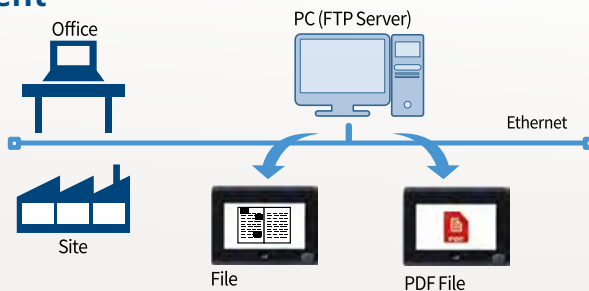
- Vertical mounting is available
- Setting in XP-Builder: [COMMON] - [Project Property Setting]

► PDF Viewer



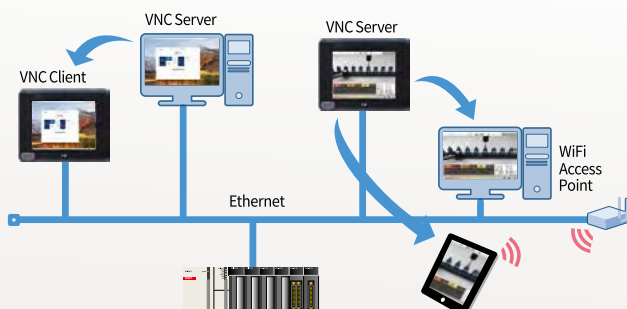
- PDF files can be displayed on XGT Panel.
- In the event of an alarm, the content of the alarm's trouble shooting can be checked on site as a PDF file.
- PDF files on an FTP sever can be displayed using a PDF viewer object.

► FTP Client



- FTP client is an object that can connect to the FTP sever, display the list of files and directories on the FTP server, and download the selected file.
- PDF files on an FTP server can be displayed using a PDF viewer object.

► VNC Viewer



- Remotely monitoring PC or HMI using VNC Viewer is available
 - Download VNC server to HMI using XP-Manager.
 - Install a universal VNC server on your PC. (Ultra VNC, Real VNC, etc.)
- Add 'VNC Viewer' object to the project screen.



PLC

Features:

- Processing speed: 0.06μs/step
- Expandable upto 10 modules
- Built-in Function: RTC, HSC, PTO, PID, Interrupt, Analog I/O
- Various communication Interface: Built-in USB / RS-232C / RS-485 / Ethernet, optional other communication modules
- Built-in Web-server, E-mail
- EtherCAT based motion control modules with Virtual Axis
- Built-in SD Card interface
- Smart Remote IO



Range:

- Up to 352 local I/O points
- Up to 5728 remote I/O points

HMI



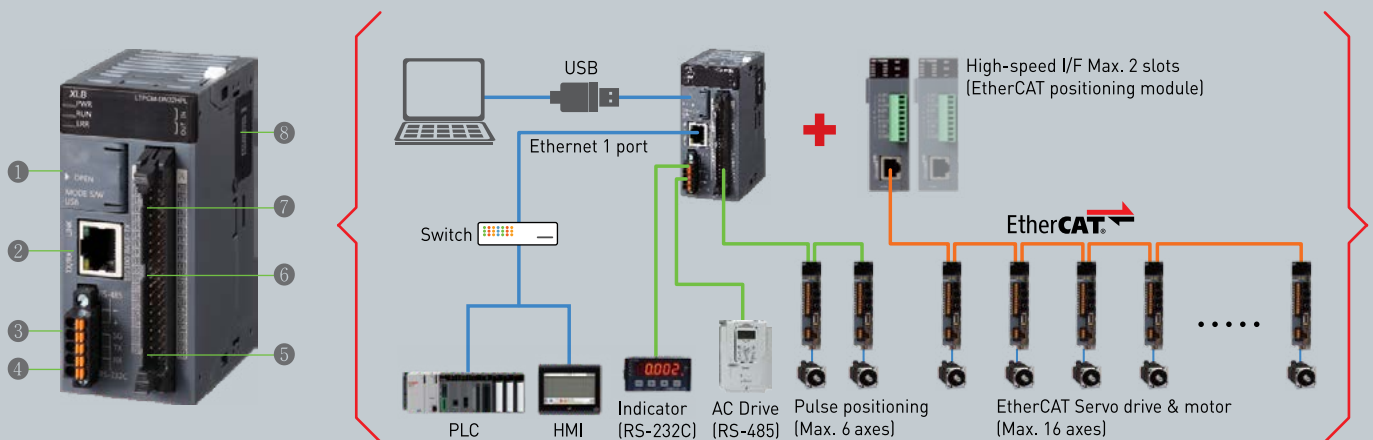
Range:

- Text Display
- 4" ~ 15" TFT color LCD

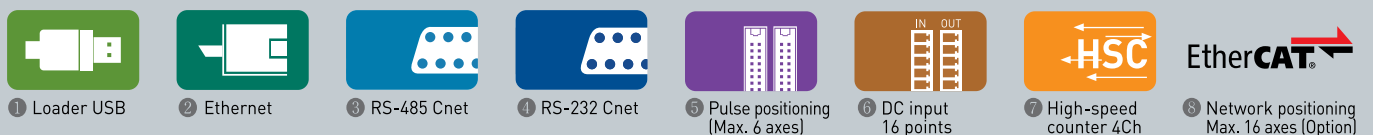
Features:

- Large Memory: Upto 128MB display data and 1MB back-up memory
- Various Communication Interface: Ethernet / RS-232C / RS-422/485
- USB host and device
- SD memory card interface
- Web server / Data monitoring
- Remote controlling and monitoring
- Presence sensor (within 1m)
- Sound Output

XLB - HPL Series PLC



Built in Function



XLB Series PLC - CPU [8537]



- Processing speed: 0.06μs/step
- Expandable upto 10 modules
- Built-in Function: RTC, HSC, PTO, PID, Interrupt, Analog I/O
- Various communication Interface: Built-in USB / RS-232C / RS-485 / Ethernet, optional other communication modules
- Built-in Web-server, E-mail
- EtherCAT based motion control modules with Virtual Axis
- Built-in SD Card interface
- Smart Remote IO

Category		Description	Cat. No.	M.R.P. (₹) Per Unit
CPU	E - Series	AC 110~220V, 6P DC Input, 4P TR (NPN) output	LTPCM-DN10E1	*
		AC 110~220V, 6P DC Input, 4P Relay output	LTPCM-DR10E1	*
		AC 110~220V, 8P DC Input, 6P TR(NPN) output	LTPCM-DN14E1	*
		AC 110~220V, 8P DC Input, 6P Relay output	LTPCM-DR14E1	*
		AC 110~220V, 12P DC Input, 8P TR(NPN) output	LTPCM-DN20E1	*
		AC 110~220V, 12P DC Input, 8P Relay output	LTPCM-DR20E1	*
		AC 110~220V, 18P DC Input, 12P TR(NPN) output	LTPCM-DN30E1	*
	AC 110~220V, 18P DC Input, 12P Relay output	LTPCM-DR30E1	*	
	S - Series	AC 110~220V, 12P DC Input, 8P TR(NPN) output	LTPCM-DN20S1	*
		AC 110~220V, 12P DC Input, 8P Relay output	LTPCM-DR20S1	*
		AC 110~220V, 18P DC Input, 12P TR(NPN) output	LTPCM-DN30S1	*
		AC 110~220V, 18P DC Input, 12P Relay output	LTPCM-DR30S1	*
		AC 110~220V, 24P DC Input, 16P TR(NPN) output	LTPCM-DN40S1	*
		AC 110~220V, 24P DC Input, 16P Relay output	LTPCM-DR40S1	*
		AC 110~220V, 36P DC Input, 24P TR(NPN) output	LTPCM-DN60S1	*
		AC 110~220V, 36P DC Input, 24P Relay Output	LTPCM-DR60S1	*
	U - Series	AC 110~220V, 16P DC Input, 16P TR(NPN) output	LTPCM-DN32UB	*
		AC 110~220V, 16P DC Input, 16P TR(NPN) output	LTPCM-DN32UA	*
		AC 110~220V, 16P DC Input, 16P TR(NPN) output	LTPCM-DN32UP	*
		DC 24V, 16P DC Input, 16P TR(NPN) output	LTPCM-DN32UB/DC	*
		DC 24V, 16P DC Input, 16P TR(NPN) output	LTPCM-DN32UA/DC	*
		DC 24V, 16P DC Input, 16P TR(NPN) output	LTPCM-DN32UP/DC	*
		HPL - Series	DC 24V, 16P DC Input, 16 Point TR (NPN) output	LTPCM-DN32HPL

XT Series HMI [8537]

- Large Memory: Upto 128MB display data and 1MB back-up memory
- Various Communication Interface: Ethernet / RS-232C / RS-422/485
- USB host and device
- SD memory card interface
- Web server / Data monitoring
- Remote controlling and monitoring
- Presence sensor (within 1m)
- Sound Output

Category	Description	Cat. No.	M.R.P. (₹) Per Unit
b-XT Series 	4.1" Mono green LCD,DC24V	LTOP-B04DSAA	*
	4.1" Mono green LCD,DC24V,RTC	LTOP-B04DSAR	*
s-XT Series 	4" TFT, Ethernet, DC24V	LTOP-S04EDAA	*
	4" TFT, Ethernet, DC24V	LTOP-S04EDAB*	*
	7" TFT, Ethernet, DC24V	LTOP-S07EDAB*	*
	7" TFT, Ethernet, DC24V, SD Card slot	LTOP-S07EDAC**	*
	10.2" TFT, Ethernet, DC24V	LTOP-S10EDAB*	*
	10.2" TFT, Ethernet, DC24V, SD card Slot	LTOP-S10EDAC**	*
i-XT Series 	8.4" TFT, Ethernet, DC24V	LTOP-I08EDAA	*
	10.4" TFT, Ethernet,DC12/24V	LTOP-I10EDAA	*
	12.1" TFT, Ethernet, DC12/24V	LTOP-I12EDAA	*
	15" TFT, Ethernet, DC12/24V	LTOP-I15EDAA	*
iXP2 Series 	i-XP2 10.4" TFT,DC24V,WinCE	LTOP-A10EDAA	*
	i-XP2 12.1" TFT,DC24V,WinCE	LTOP-A12EDAA	*
	i-XP2 15" TFT,DC24V,WinCE	LTOP-A15EDAA	*

Note:

* Upgraded version of our s-XT series HMI

** Upgraded version with SD card slot for our existing s-XT series HMI



Experience the robust performance of our ACCL

Single Phase ACCL



Mains rating : 30A

Genset rating : 1A to 30A

Three Phase ACCL With MCX contactors inside

Range : 32A to 125A



Settable overload
current limit at DG side



Separate power consumption
monitoring for Mains & Genset



Settable TPN / SPN mode
for three phase and single phase
DG supply



To Experience Scan or Click



Customer Interaction Center (CIC)

BSNL / MTNL (toll-free): 1800 233 5858 Reliance (toll-free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com



Miniature Circuit Breaker (MCB) [8536]



Range Highlights

- True contact indication for individual pole
- Label holder facility for all configurations
- Conforms to IS/IEC 60898 - 10kA
- Conforms to IEC 60947 - 2
 - 15kA C-curve till 40 A
 - 10kA C-curve for 50A, 63A
- Available in B, C & D curves
- Low watt loss - almost 50% of the values prescribed by IS/IEC 60898
- Trip free mechanism
- Design based on advanced current limiting hammer trip mechanism
- No Line-Load bias
- Bi connect feature on both side
- Suitable for accessory fitment



Rating	Modules 1 Mod = 17.5 mm	B-Curve Cat. No.	M.R.P. (₹) Per Unit	C-Curve Cat. No.	M.R.P. (₹) Per Unit	D-Curve Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)							
0.5A	1	-	-	BB10E50C	455	BB10E50D	460
1A	1	-	-	BB10010C	455	BB10010D	460
2A	1	-	-	BB10020C	455	BB10020D	460
3A	1	-	-	BB10030C	455	BB10030D	460
4A	1	-	-	BB10040C	455	BB10040D	460
6A	1	BB10060B	280	BB10060C	280	BB10060D	385
10A	1	BB10100B	280	BB10100C	280	BB10100D	385
16A	1	BB10160B	280	BB10160C	280	BB10160D	385
20A	1	BB10200B	280	BB10200C	280	BB10200D	385
25A	1	BB10250B	280	BB10250C	280	BB10250D	385
32A	1	BB10320B	280	BB10320C	280	BB10320D	385
40A	1	BB10400B	645	BB10400C	645	BB10400D	695
50A	1	BB10500B	645	BB10500C	645	BB10500D*	695
63A	1	BB10630B	645	BB10630C	645	BB10630D*	695

Double Pole (DP)



0.5A	2	-	-	BB20E50C	1270	BB20E50D	1290
1A	2	-	-	BB20010C	1270	BB20010D	1290
2A	2	-	-	BB20020C	1270	BB20020D	1290
3A	2	-	-	BB20030C	1270	BB20030D	1290
4A	2	-	-	BB20040C	1270	BB20040D	1290
6A	2	BB20060B	910	BB20060C	910	BB20060D	940
10A	2	BB20100B	910	BB20100C	910	BB20100D	940
16A	2	BB20160B	910	BB20160C	910	BB20160D	940
20A	2	BB20200B	910	BB20200C	910	BB20200D	940
25A	2	BB20250B	910	BB20250C	910	BB20250D	940
32A	2	BB20320B	910	BB20320C	910	BB20320D	940
40A	2	BB20400B	1470	BB20400C	1470	BB20400D	1535
50A	2	BB20500B	1470	BB20500C	1470	BB20500D*	1535
63A	2	BB20630B	1470	BB20630C	1470	BB20630D*	1535

Three Pole (TP)



0.5A	3	-	-	BB30E50C	1865	BB30E50D	1895
1A	3	-	-	BB30010C	1865	BB30010D	1895
2A	3	-	-	BB30020C	1865	BB30020D	1895
3A	3	-	-	BB30030C	1865	BB30030D	1895
4A	3	-	-	BB30040C	1865	BB30040D	1895
6A	3	BB30060B	1450	BB30060C	1450	BB30060D	1510
10A	3	BB30100B	1450	BB30100C	1450	BB30100D	1510
16A	3	BB30160B	1450	BB30160C	1450	BB30160D	1510
20A	3	BB30200B	1450	BB30200C	1450	BB30200D	1510
25A	3	BB30250B	1450	BB30250C	1450	BB30250D	1510
32A	3	BB30320B	1450	BB30320C	1450	BB30320D	1510
40A	3	BB30400B	2235	BB30400C	2235	BB30400D	2340
50A	3	BB30500B	2235	BB30500C	2235	BB30500D*	2340
63A	3	BB30630B	2235	BB30630C	2235	BB30630D*	2340

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

* For details, please contact nearest branch office



Miniature Circuit Breaker (MCB) [8536]



Rating	Modules 1 Mod = 17.5 mm	B-Curve Cat. No.	M.R.P. (₹) Per Unit	C-Curve Cat. No.	M.R.P. (₹) Per Unit	D-Curve Cat. No.	M.R.P. (₹) Per Unit
Four Pole (FP)							
0.5A	4	-	-	BB40E50C	2345	BB40E50D	2350
1A	4	-	-	BB40010C	2345	BB40010D	2350
2A	4	-	-	BB40020C	2345	BB40020D	2350
3A	4	-	-	BB40030C	2345	BB40030D	2350
4A	4	-	-	BB40040C	2345	BB40040D	2350
6A	4	BB40060B	1980	BB40060C	1980	BB40060D	2030
10A	4	BB40100B	1980	BB40100C	1980	BB40100D	2030
16A	4	BB40160B	1980	BB40160C	1980	BB40160D	2030
20A	4	BB40200B	1980	BB40200C	1980	BB40200D	2030
25A	4	BB40250B	1980	BB40250C	1980	BB40250D	2030
32A	4	BB40320B	1980	BB40320C	1980	BB40320D	2030
40A	4	BB40400B	2805	BB40400C	2805	BB40400D	3010
50A	4	BB40500B	2805	BB40500C	2805	BB40500D*	3010
63A	4	BB40630B	2805	BB40630C	2805	BB40630D*	3010

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos., TP- 4 Nos., FP - 3 Nos.

MCBs (Miniature Circuit Breakers) : 80A-125A [8536]

Range Highlights

- Short circuit Breaking Capacity - 15kA (IEC 60947-2, EN 60947-2)
- C & D Characteristics
- Available in SP, DP, TP and FP
- Suitable for Isolation
- Protection Degree - IP 20
- Availability of wide Range of Site Mountable Accessories



Rating	Module	C Curve Cat. No.	M.R.P. (₹) Per Unit	D Curve Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)					
80A	1.5	AU15S10803C	2550	AU15S10803D	2900
100A	1.5	AU15S11003C	2855	AU15S11003D	3245
125A	1.5	AU15S11253C	3070	AU15S11253D	3510
Double Pole (DP)					
80A	3	AU15S20803C	5650	AU15S20803D	6430
100A	3	AU15S21003C	6025	AU15S21003D	6855
125A	3	AU15S21253C	6630	AU15S21253D	7540
Three Pole (TP)					
80A	4.5	AU15S30803C	8915	AU15S30803D	10150
100A	4.5	AU15S31003C	9505	AU15S31003D	10805
125A	4.5	AU15S31253C	10545	AU15S31253D	11985
Four Pole (FP)					
80A	6	AU15S40803C	11640	AU15S40803D	13215
100A	6	AU15S41003C	12105	AU15S41003D	13775
125A	6	AU15S41253C	13710	AU15S41253D	15585

We are thrilled to announce that
Exora has been recognised as the
Best Brand 2023
 by The Economic Times



Solar Combo MCBs

Complete Protection for Solar Rooftop Installations

Combo Pack
Tested for Reliable
Performance



DC MCB



AC MCB

- [1 DP DC (500V) MCB] + [1 DP AC MCB] in a combo pack
- Provides complete protection for DC and AC sides of solar rooftop installations
- DC MCB : 10kA as per IEC 60947-2
- AC MCB : 10kA as per IS/IEC 60898-1



Customer Interaction Center (CIC)

BSNL / MTNL (toll-free): 1800 233 5858 Reliance (toll-free): 1800 200 5858

Tel: 022 6774 5858 Email: cic@Lntebg.com Web: www.Lntebg.com



Miniature Circuit Breaker (MCB) [8536]

DC MCBs as per IEC 60947-2 [8536]

Rated Voltage:
Breaking capacity of 6 kA - BB Series DC MCBs

130V DC SP MCB

Rating	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)			
0.5A	1	BB10E5DC	660
1A	1	BB1001DC	660
2A	1	BB1002DC	660
3A	1	BB1003DC	660
4A	1	BB1004DC	660
6A	1	BB1006DC	570
10A	1	BB1010DC	570
16A	1	BB1016DC	570
20A	1	BB1020DC	570
25A	1	BB1025DC	570
32A	1	BB1032DC	570
40A	1	BB1040DC	750
50A	1	BB1050DC	750
63A	1	BB1063DC	750

Rated Voltage:
Breaking capacity of 10 kA - BJ Series DC MCBs

250V DC SP MCB

Rating	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)			
0.5A	1	BJ10E5DC	810
1A	1	BJ1001DC	810
2A	1	BJ1002DC	810
3A	1	BJ1003DC	810
4A	1	BJ1004DC	810
6A	1	BJ1006DC	660
10A	1	BJ1010DC	660
16A	1	BJ1016DC	660
20A	1	BJ1020DC	660
25A	1	BJ1025DC	660
32A	1	BJ1032DC	660
40A	1	BJ1040DC	915
50A	1	BJ1050DC	915
63A	1	BJ1063DC	915

250V DC DP MCB

Rating	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
0.5A	2	BB20E5DC	1410
1A	2	BB2001DC	1410
2A	2	BB2002DC	1410
3A	2	BB2003DC	1410
4A	2	BB2004DC	1410
6A	2	BB2006DC	1240
10A	2	BB2010DC	1240
16A	2	BB2016DC	1240
20A	2	BB2020DC	1240
25A	2	BB2025DC	1240
32A	2	BB2032DC	1240
40A	2	BB2040DC	1680
50A	2	BB2050DC	1680
63A	2	BB2063DC	1680

500V DC DP MCB

Rating	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
0.5A	2	BJ20E5DC	1690
1A	2	BJ2001DC	1690
2A	2	BJ2002DC	1690
3A	2	BJ2003DC	1690
4A	2	BJ2004DC	1690
6A	2	BJ2006DC	1430
10A	2	BJ2010DC	1430
16A	2	BJ2016DC	1430
20A	2	BJ2020DC	1430
25A	2	BJ2025DC	1430
32A	2	BJ2032DC	1430
40A	2	BJ2040DC	1820
50A	2	BJ2050DC	1820
63A	2	BJ2063DC	1820

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos.

1000V DC MCBs [8536]

Rated Voltage:1000V DC
with breaking capacity of 6 kA - BK Series DC MCBs

Description	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
DP 6A 1000V DC 6kA MCB	4	BK2006DC	2245
DP 10A 1000V DC 6kA MCB	4	BK2010DC	2245
DP 16A 1000V DC 6kA MCB	4	BK2016DC	2245
DP 20A 1000V DC 6kA MCB	4	BK2020DC	2245
DP 25A 1000V DC 6kA MCB	4	BK2025DC	2245
DP 32A 1000V DC 6kA MCB	4	BK2032DC	2245
DP 40A 1000V DC 6kA MCB	4	BK2040DC	2725
DP 50A 1000V DC 6kA MCB	4	BK2050DC	2725
DP 63A 1000V DC 6kA MCB	4	BK2063DC	2725

Solar Combo MCBs [8536] (AC MCB + DC MCB)

Description	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
1 AC 16A DP MCB [^] + 1 DC 16A DP 500V MCB	2+2	SC221616	1805
1 AC 25A DP MCB [^] + 1 DC 16A DP 500V MCB	2+2	SC222516	1805
1 AC 32A DP MCB [^] + 1 DC 16A DP 500V MCB	2+2	SC223216	1805
1 AC 32A DP MCB [^] + 1 DC 32A DP 500V MCB	2+2	SC223232	1805

[^]AC MCB with C-Curve

Isolators [8536]



Range Highlights

- Conforms to IEC 60947-3
- Utilization category AC-22A
- Available in DP, TP and FP versions in 40A, 63A, 80A & 100A ratings



Rating	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit	Modules	Cat. No.	M.R.P. (₹) Per Unit	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Double Pole (DP)				1 Mod = 17.5 mm	Three Pole (TP)		Four Pole (FP)		
40A	2	BF204000	555	3	BF304000	965	4	BF404000	1250
63A	2	BF206300	715	3	BF306300	1125	4	BF406300	1305
80A	2	BF208000	910	3	BF308000	1235	4	BF408000	1465
100A	2	BF210000	950	3	BF310000	1315	4	BF410000	1580

Note: Standard Pack Quantity for Isolator : DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

RCCB (Residual Current Circuit Breaker) [8536]



Range Highlights

- Conforms to IS 12640 (Part 1) / IEC 61008-1
- RCCBs are available in DP and FP versions from 25 to 100A ratings with 30 mA, 100 mA and 300 mA sensitivity



- Truly current operated - operation even at nominal voltage
- Operates on Core Balance Current Transformer (CBCT) principle
- Advanced neutral mechanism

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Double Pole (DP)				
25A	30 mA	2	BG202503	3205
	100 mA	2	BG202510	3330
	300 mA	2	BG202530	3330
40A	30 mA	2	BG204003	3595
	100 mA	2	BG204010	3805
	300 mA	2	BG204030	3805
63A	30 mA	2	BG206303	4485
	100 mA	2	BG206310	4595
	300 mA	2	BG206330	4595
100A	30 mA	2	BG210003	7825
	100 mA	2	BG210010	7925
	300 mA	2	BG210030	7925

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Four Pole (FP)				
25A	30 mA	4	BG402503	4235
	100 mA	4	BG402510	4345
	300 mA	4	BG402530	4345
40A	30 mA	4	BG404003	4275
	100 mA	4	BG404010	4420
	300 mA	4	BG404030	4420
63A	30 mA	4	BG406303	4835
	100 mA	4	BG406310	5070
	300 mA	4	BG406330	5070
100A	30 mA	4	BG410003	8345
	100 mA	4	BG410010	8490
	300 mA	4	BG410030	8490

RCCBs (Residual Current Circuit Breakers) : Type-Adi (with Added immunity) [8536]



Range Highlights

- Wide Range of Current Ratings - 25A to 100A
- Precise Sensitivities for variety of applications - from 30mA to 300mA
- 2P & 4P versions
- Suitable for Isolation
- Protection Degree - IP 20
- Availability of wide Range of Site Mountable Accessories
- Type Adi : Suitable for AC + Pulsating DC (Type A) + Harmonics

Rating	Sensitivity	Module	CAT Nos.	M.R.P. (₹) Per Unit
2P Adi				
25A	30mA	2	AURAD202503	5130
	100mA	2	AURAD202510	5360
	300mA	2	AURAD202530	5360
40A	30mA	2	AURAD204003	5445
	100mA	2	AURAD204010	5530
	300mA	2	AURAD204030	5530
63A	30mA	2	AURAD206303	6365
	100mA	2	AURAD206310	6485
	300mA	2	AURAD206330	6485
100A	30mA	2	AURAD210003	9405

Rating	Sensitivity	Module	CAT Nos.	M.R.P. (₹) Per Unit
4P Adi				
25A	30mA	4	AURAD402503	6200
	100mA	4	AURAD402510	6320
	300mA	4	AURAD402530	6320
40A	30mA	4	AURAD404003	6440
	100mA	4	AURAD404010	6540
	300mA	4	AURAD404030	6540
63A	30mA	4	AURAD406303	7010
	100mA	4	AURAD406310	7155
	300mA	4	AURAD406330	7155
100A	30mA	4	AURAD410003	11165
	300mA	4	AURAD410030	11165



Adi an All-Rounder RCDs (RCCB & RCBO)

Specially designed Adi RCDs ensure Safe and Reliable protection for All Applications in AC networks with Pulsating DC along with Harmonics



Added Immunity



RCBOs (Residual Current Breaker with Overcurrent Protection) [8536]



Range Highlights*

- Conforms to IEC 61009-1, IS 12640-2, EN 61009-1
- Short circuit Breaking Capacity - 10kA
- Precise Sensitivities for a variety of applications
- from 10mA to 300mA
- Suitable for Isolation



- Availability of wide Range of Site Mountable Accessories
- Available in
 - Type AC : For standard AC installations
 - Type Adi : Suitable for AC + Pulsating DC (Type A) + Harmonics

Type-AC

Rating	Sensitivity	Module	CAT Nos.	M.R.P. (₹) Per Unit
2P AC				
6A	10mA	2	AUF3C200601	4745
	30mA	2	AUF3C200603	4745
	100mA	2	AUF3C200610	4845
	300mA	2	AUF3C200630	4900
10A	10mA	2	AUF3C201001	4745
	30mA	2	AUF3C201003	4745
	100mA	2	AUF3C201010	4845
	300mA	2	AUF3C201030	4900
16A	10mA	2	AUF3C201601	4745
	30mA	2	AUF3C201603	4745
	100mA	2	AUF3C201610	4845
	300mA	2	AUF3C201630	4900
20A	30mA	2	AUF3C202003	4745
	100mA	2	AUF3C202010	4845
	300mA	2	AUF3C202030	4900
25A	30mA	2	AUF3C202503	4745
	100mA	2	AUF3C202510	4845
	300mA	2	AUF3C202530	4900
32A	30mA	2	AUF3C203203	4745
	100mA	2	AUF3C203210	4845
	300mA	2	AUF3C203230	4900
40A	30mA	2	AUF3C204003	4745
	100mA	2	AUF3C204010	4845
	300mA	2	AUF3C204030	4900
63A	30mA	4	AUF3C206303	5940
	100mA	4	AUF3C206310	6300
	300mA	4	AUF3C206330	6350
4P AC				
16A	30mA	7.5	AUF3C401603	5370
	100mA	7.5	AUF3C401610	5980
	300mA	7.5	AUF3C401630	6100
20A	30mA	7.5	AUF3C402003	5370
	100mA	7.5	AUF3C402010	5980
	300mA	7.5	AUF3C402030	6100
25A	30mA	7.5	AUF3C402503	5370
	100mA	7.5	AUF3C402510	5980
	300mA	7.5	AUF3C402530	6100
32A	30mA	7.5	AUF3C403203	5545
	100mA	7.5	AUF3C403210	5985
	300mA	7.5	AUF3C403230	6115
40A	30mA	7.5	AUF3C404003	5635
	100mA	7.5	AUF3C404010	5985
	300mA	7.5	AUF3C404030	6135
63A	30mA	7.5	AUF3C406303	6750
	100mA	7.5	AUF3C406310	6875
	300mA	7.5	AUF3C406330	6875
80A	30mA	12	AUF3C408003	25685
	100mA	12	AUF3C408010	26260
	300mA	12	AUF3C408030	26260
100A	30mA	12	AUF3C410003	27460
	100mA	12	AUF3C410010	28115
	300mA	12	AUF3C410030	28115

Type-Adi

Rating	Sensitivity	Module	CAT Nos.	M.R.P. (₹) Per Unit
2P Adi				
6A	30mA	2	AUF3D200603	6285
	100mA	2	AUF3D200610	6920
	300mA	2	AUF3D200630	7180
10A	30mA	2	AUF3D201003	6285
	100mA	2	AUF3D201010	6920
	300mA	2	AUF3D201030	7180
16A	30mA	2	AUF3D201603	6285
	100mA	2	AUF3D201610	6920
	300mA	2	AUF3D201630	7180
20A	30mA	2	AUF3D202003	6285
	100mA	2	AUF3D202010	6920
	300mA	2	AUF3D202030	7180
25A	30mA	2	AUF3D202503	6285
	100mA	2	AUF3D202510	6920
	300mA	2	AUF3D202530	7180
32A	30mA	2	AUF3D203203	6285
	100mA	2	AUF3D203210	6920
	300mA	2	AUF3D203230	7180
40A	30mA	2	AUF3D204003	6285
	100mA	2	AUF3D204010	6920
	300mA	2	AUF3D204030	7180
63A	30mA	4	AUF3D206303	7665
	100mA	4	AUF3D206310	8110
	300mA	4	AUF3D206330	8180
4P Adi				
16A	30mA	7.5	AUF3D401603	6925
	100mA	7.5	AUF3D401610	7705
	300mA	7.5	AUF3D401630	7860
20A	30mA	7.5	AUF3D402003	6925
	100mA	7.5	AUF3D402010	7705
	300mA	7.5	AUF3D402030	7860
25A	30mA	7.5	AUF3D402503	6925
	100mA	7.5	AUF3D402510	7705
	300mA	7.5	AUF3D402530	7860
32A	30mA	7.5	AUF3D403203	7150
	100mA	7.5	AUF3D403210	7710
	300mA	7.5	AUF3D403230	7870
40A	30mA	7.5	AUF3D404003	7255
	100mA	7.5	AUF3D404010	7710
	300mA	7.5	AUF3D404030	7905
63A	30mA	7.5	AUF3D406303	8695
	100mA	7.5	AUF3D406310	8870
	300mA	7.5	AUF3D406330	8870
80A	30mA	12	AUF3D408003	25685
	100mA	12	AUF3D408010	26260
	300mA	12	AUF3D408030	26260
100A	30mA	12	AUF3D410003	27460
	100mA	12	AUF3D410010	28115
	300mA	12	AUF3D410030	28115

* For technical details, please contact nearest branch office



SPDs (Surge Protection Devices) [8536]



Range Highlights

- Conforms to IEC 61643-11
- Available in Type 2 and Type 1+2
- Type 2 : Protection against indirect lightning and switching surges
 - Maximum Discharge Current - I_{max} up to 70kA
- Type 1+2 : Protection against direct and indirect lightning surges

800V Solar Application

Description	Configuration	Module	Voltage (Uc)	Cat. No.	M.R.P. (₹) Per Unit
Type 2, I _{imp} 12.5kA	3P	4	1500	AUSP023P40-1500	12500
Type 1+2, I _{imp} 12.5kA	3P	5	1360	AUSP123P50-1360	41430
Type 1+2, I _{imp} 12.5kA	3P	4	880	AUSP123P50-880	30000

440V Application

Description	I _{max}	Configuration	Module	Cat. No.	M.R.P. (₹) Per Unit
Type 1+2, I _{imp} 12.5kA	50kA	1P+N	2	AUSP121PN50	10045
		3P+N	4	AUSP123PN50	19235
Type 2	40kA	1P+N	1	AUSP021PN40	6275
		3P+N	2	AUSP023PN40	12545
Type 2	15kA	1P+N	1	AUSP021PN15	5020
		3P+N	2	AUSP023PN15	9875
Type 1+2, I _{imp} 8kA	100kA	1P+N	2	AUSP121PN100	9030
		3P+N	4	AUSP123PN100	17740
Type 2	70kA	1P+N	2	AUSP021PN70	9855
		3P+N	4	AUSP023PN70	16420

Extend SPD life with Spare Cartridges



Description	Cat. No.	M.R.P. (₹) Per Unit
Cartridge for AUSP021PN15	AUSC021PN15	2515
Cartridge for AUSP021PN40	AUSC021PN40	3135
Cartridge for AUSP021PN70 / AUSP023PN70	AUSC021PN70	3350
Cartridge for AUSP023PN15	AUSC023PN15	3290
Cartridge for AUSP023PN40	AUSC023PN40	4185
Cartridge for AUSP121PN100 / AUSP123PN100	AUSC121PN100	5020
Cartridge for AUSP121PN50 / AUSP123PN50	AUSC121PN50	5420

Changeover Switches (Automatic Changeover with Current Limiter, CO) [8536]

Single Phase ACCL



Range Highlights

- Conforms to IEC 60947-6, IEC 60947-3
- Wide Range of Current Ratings
 - (Generator side) - 1A to 30A
 - (Electricity Board side) - 30A
- RoHS compliant

Description EB/DG	Module	CAT Nos.	M.R.P. (₹) Per Unit
30A/1A	4	AUCL01030001	2410
30A/1.5A	4	AUCL010301E5	2410
30A/2A	4	AUCL01030002	2410
30A/2.5A	4	AUCL010302E5	2410
30A/3A	4	AUCL01030003	2410
30A/4A	4	AUCL01030004	2410
30A/5A	4	AUCL01030005	2410
30A/6A	4	AUCL01030006	2410
30A/8A	4	AUCL01030008	2410
30A/10A	4	AUCL01030010	2410
30A/12A	4	AUCL01030012	2410
30A/15A	4	AUCL01030015	2410
30A/20A	4	AUCL01030020	2410
30A/30A	4	AUCL01030030*	2410

* Non-current limiting variant

Changeover Switches

Rating	Module	Cat. No.	M.R.P. (₹) Per Unit
Double Pole			
25A	2	AUC00202500	1630
40A	2	AUC00204000	2490
63A	3	AUC00206300	2900



Three Phase ACCL



Range Highlights

- Settable overload current limit at DG side
- Separate power consumption monitoring for Mains & Genset
- Settable overvoltage & undervoltage protection
- Settable TPN or SPN mode at DG side
- Protection against single phasing

Description (AC-1) EB/DG	Cat. No.	M.R.P. (₹) Per Unit
32A / 32A	AUCL03032032	10165
40A / 32A	AUCL03040032	10475
40A / 40A	AUCL03040040	11340
50A / 50A	AUCL03050050	16155
63A / 50A	AUCL03063050	17830
63A / 63A	AUCL03063063	20195
80A / 80A	AUCL03080080	30780
125A / 125A	AUCL03125125	51815

For 3 Phase ACCL programming video please scan the QR code or click here



Range Highlights

- Conforms to IEC 60947-3 and IS/IEC 60947-3
- Available in 3 positions (I-O-II) with centre off position
- Utilization category AC-22A

Rating	Module	Cat. No.	M.R.P. (₹) Per Unit
Four Pole			
40A	4	AUC00404000	4290
63A	6	AUC00406300	4865

Modular Contactors [8536]



Range Highlights

- Wide Range of Current Ratings:
- 25A, 40A and 63A
- Conforms to:
- IEC 61095, EN 61095
- IEC 60947-4-1, EN 60947-4-1
- IEC 60947-5-1
- Protection Degree IP 20

Description (AC-1)	Module	Cat. No.	M.R.P. (₹) Per Unit
25A-1NO	1	AUMC1002501	1810
25A-2NO	1	AUMC2002501	2265
40A-2NO	3	AUMC2004003	3880
40A-3NO	3	AUMC3004003	5560
40A-4NO	3	AUMC4004003	6525
63A-2NO+2NC	3	AUMC2206303	6895
63A-3NO	3	AUMC3006303	7065
63A-4NO	3	AUMC4006303	7780
Accessory [8538]			
Auxiliary Contact, 2NO	0.5	AUMCAUX240	1740

Time Switches [9107]



Description	Module	Cat. No.	M.R.P. (₹) Per Unit
Analog time switch	1	AUTS01ANA00*	4645
Analog time switch	3	AUTS03ANA00*	5650
Digital time switch	2	AUTS02DIG00*	3595
Astro time switch	2	AUTS02AST00*	6040
Digital time switch	2	67DDT0*	2355
Astro time switch	2	T2DDT7*	4410

*Available till stocks last

Energy Meters [9030]



Range Highlights

- Communication with additional RS485 & WiFi module
- Class 1 accuracy
- Direct current operated meter
- Reverse current indication for three-phase meter

Description	Module	Cat. No.	M.R.P. (₹) Per Unit
Single Phase - 60A	2	WD4010100000	2630
Three Phase - 80A	5	WD4020100000	5975
Single Phase - 60A (RS485)	2	WD4010110000	4200
Three Phase - 80A (RS485)	5	WD4020110000	8605

Accessories

Accessories [8538]



All Half Module and One Module Accessories are common for 80A-125A MCBs, RCBOs and Adi RCCBs

Description	Configuration	Module	Voltage	CAT Nos.	M.R.P. (₹) Per Unit
Auxiliary Contact	1NO+1NC	0.5	240V AC, 24V DC	AUAXAC240	940
AUX/TAC*	1NO+1NC	0.5	240V AC, 24V DC	AUATAC240	1105
HR AUX/TAC*	1NO+1NC	0.5	240V AC, 24V DC	AUATAC240HR	1105
Undervoltage Release	-	1	240V AC	AUUVAC240	2225
	-	1	24V DC	AUUVDC024	2225
Overvoltage Release	-	1	240V AC	AUOVAC240	2750
Shunt Release	-	1	240V AC	AUSRAC240	2550
	-	1	24V DC	AUSRDC024	2550
Padlock-Suitable for Lock Hasp 3.5 - 5 mm dia. max	Suitable for 1Pole=1Mod devices: RCCBs, RCBOs, Changeover Switches up to 40A			AUPD01	505
	Suitable for 1Pole-1.5Mod devices: MCBs 80A-125A, Changeover Switch 63A			AUPD02	570

Note: Standard Pack Quantity for Padlock - 2 Nos.

Indicating Lights [8531]



Description	Module	Cat. No.	M.R.P. (₹) Per Unit
RED	1	AUIL01RED00	1035
YELLOW	1	AUIL01YEL00	1035
BLUE	1	AUIL01BLU00	1035
GREEN	1	AUIL01GRE00	1035
RED-YELLOW-BLUE	1	AUIL01RYB00	1255

Auxiliary & Accessories for Exora MCBs [8538]



Description	Cat. No.	M.R.P. (₹) Per Unit
Auxiliary Contact - 6A, 240V AC, (1NO+1NC), 0.5 Mod	BZA11006	885
Shunt Release - 240V AC, 1 Mod	BZS00240	2425
Trip Alarm Contact - 6A, 240V AC, (1NO+1NC), 0.5 Mod	BZT11006	1040



Specially Designed

Distribution Board suitable for Aluminum shuttering (Mivan) Construction



> To experience Scan or click



DBs suitable for Aluminum Shuttering Construction [8537]

SPN DBs

Highlights

- Available in CRCA sheet steel, RAL9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bar | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification label
- With provision for DP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer + Outgoing			
IP 43 - Metal Door				
4 way	2	2	LTSD04M	*
6 way	2	4	LTSD06M	*
8 way	2	6	LTSD08M	*
12 way	2	10	LTSD12M	*
16 way	2	14	LTSD16M	*

TPN DBs

Highlights

- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer + Outgoing			
IP 43 - Metal Door				
4 way	8	4+4+4	LTTD04M	*
6 way	8	6+6+6	LTTD06M	*
8 way	8	8+8+8	LTTD08M	*

* For details, please contact nearest branch office

Highlights

- Conforms to IS 8623-1 & 3, IEC 61439-1 & 3
- IK 08-for single door DBs, IK 09-for double door DBs
- Available in CRCA sheet steel, RAL9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bar | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification label
- With provision for DP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoings



IP 30 - Single Door

IP 43 - Metal Door

IP 43 - Glazed Door

Highlights

- Conforms to IS 8623-1 & 3, IEC 61439-1 & 3
- IK 08-for single door DBs, IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoings



IP 30 - Single Door

IP 43 - Metal Door

IP 43 - Glazed Door

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer + Outgoing			
IP 30 - Single Door				
4 way	2	2	DBSPN004SDS	1510
6 way	2	4	DBSPN006SDS	1585
8 way	2	6	DBSPN008SDS	1830
12 way	2	10	DBSPN012SDS	2165
16 way	2	14	DBSPN016SDS	2685
18 way	2	16	DBSPN018SDS	3115
IP 43 - Metal Door				
4 way	2	2	DBSPN004DDS	1960
6 way	2	4	DBSPN006DDS	2260
8 way	2	6	DBSPN008DDS	2410
12 way	2	10	DBSPN012DDS	2890
16 way	2	14	DBSPN016DDS	3655
18 way	2	16	DBSPN018DDS	3860
IP 43 - Glazed Door				
4 way	2	2	DBSPN004GDS	2625
6 way	2	4	DBSPN006GDS	2795
8 way	2	6	DBSPN008GDS	3040
12 way	2	10	DBSPN012GDS	3700
16 way	2	14	DBSPN016GDS	4595
18 way	2	16	DBSPN018GDS	4890
IP 54 - Metal Door				
4 way	2	2	DBSPN00454S	6910
6 way	2	4	DBSPN00654S	7705
8 way	2	6	DBSPN00854S	8195
12 way	2	10	DBSPN01254S	9410
16 way	2	14	DBSPN01654S	10480
18 way	2	16	DBSPN01854S	10710

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 30 - Single Door				
4 way	4	4+4+4	DBTPE004SDS	3940
6 way	4	6+6+6	DBTPE006SDS	4840
4 way	8	4+4+4	DBTPN004SDS	4135
6 way	8	6+6+6	DBTPN006SDS	5095
8 way	8	8+8+8	DBTPN008SDS	6010
12 way	8	12+12+12	DBTPN012SDS	8655
16 way	8	16+16+16	DBTPN016SDS	10650
IP 43 - Metal Door				
4 way	4	4+4+4	DBTPE004DDS	4610
6 way	4	6+6+6	DBTPE006DDS	5730
4 way	8	4+4+4	DBTPN004DDS	4825
6 way	8	6+6+6	DBTPN006DDS	6010
8 way	8	8+8+8	DBTPN008DDS	7215
12 way	8	12+12+12	DBTPN012DDS	10760
16 way	8	16+16+16	DBTPN016DDS	13350
IP 43 - Glazed Door				
4 way	4	4+4+4	DBTPE004GDS	6265
6 way	4	6+6+6	DBTPE006GDS	7525
4 way	8	4+4+4	DBTPN004GDS	6515
6 way	8	6+6+6	DBTPN006GDS	7880
8 way	8	8+8+8	DBTPN008GDS	9365
12 way	8	12+12+12	DBTPN012GDS	14365
16 way	8	16+16+16	DBTPN016GDS	17265
IP 54 - Metal Door				
4 way	4	4+4+4	DBTPE00454S	15645
6 way	4	6+6+6	DBTPE00654S	18285
4 way	8	4+4+4	DBTPN00454S	16615
6 way	8	6+6+6	DBTPN00654S	20005
8 way	8	8+8+8	DBTPN00854S	21870
12 way	8	12+12+12	DBTPN01254S	30825
16 way	8	16+16+16	DBTPN01654S	36995



Highlights

- Conforms to IS 8623-1 & 3, IEC 61439-1 & 3
- IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing

**Horizontal PPI DBs**

IP 43 - Metal Door

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
4 way	8	2+2+2	4+4+4	DBHPI004DD	8515
6 way	8	2+2+2	6+6+6	DBHPI006DD	10085
8 way	8	2+2+2	8+8+8	DBHPI008DD	12095
12 way	8	2+2+2	12+12+12	DBHPI012DD	16660
16 way	8	2+2+2	16+16+16	DBHPI016DD	19985

**Tier PPI DBs**

IP 43 - Metal Door

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
6 way	8	2+2+2	6+6+6	DBTPI006DD	10460
8 way	8	2+2+2	8+8+8	DBTPI008DD	13115
10 way	8	2+2+2	10+10+10	DBTPI010DD	13750
12 way	8	2+2+2	12+12+12	DBTPI012DD	14565
16 way	8	2+2+2	16+16+16	DBTPI016DD	16610
12 way	MCCB*	2+2+2	12+12+12	DBTPL012DD	15580

* Suitable for 3 Pole & 4 Pole DU100H, DU100D, DN0-100D & DN0-100C MCCB as incomer

Highlights

- Conforms to IS 8623-1 & 3, IEC 61439-1 & 3
- IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for 1. Modular Incomer - FP MCB/Isolator/RCCB/RCBO as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing
- 2. MCCB Incomer - MCCB* as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing

**With Modular Incomer**

IP 43 - Metal Door

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
4 way	8	4+4+4	4+4+4	DBPSG004DD	12775
6 way	8	4+4+4	6+6+6	DBPSG006DD	14405
8 way	8	4+4+4	8+8+8	DBPSG008DD	16070
12 way	8	4+4+4	12+12+12	DBPSG012DD	19935

**With MCCB Incomer**

IP 43 - Metal Door

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
4 way	MCCB	4+4+4	4+4+4	DBPGL004DD	17570
6 way	MCCB	4+4+4	6+6+6	DBPGL006DD	20095
8 way	MCCB	4+4+4	8+8+8	DBPGL008DD	23240
12 way	MCCB	4+4+4	12+12+12	DBPGL012DD	26210

* Suitable for 3 Pole & 4 Pole DU100H, DU100D, DN0-100D & DN0-100C MCCB as incomer

TPN Phase Selector DB [8537]

Highlights

- Conforms to IS 8623-1 & 3, IEC 61439-1 & 3
- IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 3 nos. of 63A E&A rotary switches | 3 nos. of rocker switches for phase identification | 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for - FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoings



IP 43 - Metal Door

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 43 - Metal Door				
4 way	8	4+4+4	DBPSR004DD	17425
6 way	8	6+6+6	DBPSR006DD	17705
8 way	8	8+8+8	DBPSR008DD	18965
10 way	8	10+10+10	DBPSR010DD	20260
12 way	8	12+12+12	DBPSR012DD	21355

Flexi/Row DB [8537]

Highlights

- Conforms to IS 8623-1 & 3, IEC 61439-1 & 3
- IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | cable ties | circuit identification labels
- With provision to mount modular devices as per requirement



IP 43 - Metal Door

Description	No. of Modules Per Row	Cat. Nos.	M.R.P. (₹) Per Unit
IP 43 - Metal Door			
2 Row 28 Module	14	DBROW228DD	6225
3 Row 42 Module	14	DBROW342DD	7465
4 Row 56 Module	14	DBROW456DD	8115
4 Row 64 Module	16	DBROW464DD	9440

Vertical TPN DB with Modular Incomer [8537]

Highlights

- Conforms to IS 8623-1 & 3, IEC 61439-1 & 3
- IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with insulated vertical phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP/TP MCBs as outgoings



IP 43 - Metal Door

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 43 - Metal Door				
4 way	8	4+4+4	DBVTM004DD	11940
6 way	8	6+6+6	DBVTM006DD	13365
8 way	8	8+8+8	DBVTM008DD	15510
12 way	8	12+12+12	DBVTM012DD	21025
16 way	8	16+16+16	DBVTM016DD	24850
IP 54 - Metal Door				
4 way	8	4+4+4	DBVTM00454	25245
6 way	8	6+6+6	DBVTM00654	27670
8 way	8	8+8+8	DBVTM00854	30550

Vertical TPN DB with MCCB Incomer [8537]

Highlights

- Conforms to IS 8623-1 & 3, IEC 61439-1 & 3
- IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with insulated vertical phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for 3 pole and 4 Pole MCCB* as incomer and SP/TP MCBs as outgoings



IP 43 - Metal Door
Up to 125A MCCB Incomer

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Outgoing		
IP 43 - Metal Door				
4 way	MCCB	4+4+4	DBVTL004DD	14120
6 way	MCCB	6+6+6	DBVTL006DD	16050
8 way	MCCB	8+8+8	DBVTL008DD	17670
12 way	MCCB	12+12+12	DBVTL012DD	24040
16 way	MCCB	16+16+16	DBVTL016DD	28675
IP 54 - Metal Door				
4 way	MCCB	4+4+4	DBVTL00454	29250
6 way	MCCB	6+6+6	DBVTL00654	33355
8 way	MCCB	8+8+8	DBVTL00854	36110

* Suitable for 3 Pole & 4 Pole DU100H, DU100D, DU125D, DU125H & DN0 MCCB as incomer



Vertical TPN DB with MCCB Incomer [8537]

Plug & Socket DB [8537]



Up to 250A MCCB Incomer



IP 30 - Single Door



IP 43 - Metal Door

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Outgoing		
IP 43 - Metal Door				
4 way	MCCB	4+4+4	DBVTH004DD	18180
6 way	MCCB	6+6+6	DBVTH006DD	20360
8 way	MCCB	8+8+8	DBVTH008DD	22390
12 way	MCCB	12+12+12	DBVTH012DD	27350
16 way	MCCB	16+16+16	DBVTH016DD	36420
IP 54 - Metal Door				
4 way	MCCB	4+4+4	DBVTH00454	33570
6 way	MCCB	6+6+6	DBVTH00654	36655
8 way	MCCB	8+8+8	DBVTH00854	37910

Highlights

- Conforms to IS 8623-1 & 3, IEC 61439-1 & 3
- Suitable for Surface and Flush mounting
- Available in CRCA sheet steel, RAL9003, powder coated
- Loose Metal Plugs & Sockets conforms to IS 8804; available in Single Phase & Three Phase



Metal Plug & Socket



Plastic Plug & Socket

Description	No. of Pins	No. of Modules	Cat. Nos.	M.R.P. (₹) Per Unit
Metal Plug & Sockets				
10 A, 2 Pin + SC [^]	P + N	1	DBMPS110SD	1925
20 A, 2 Pin + SC [^]	P + N	1	DBMPS120SD	2070
20 A, 2 Pin + SC [^]	P + N	2	DBMPS220SD	2245
20 A, 3 Pin + SC [^]	3P	3	DBMPS320SD	3805
32 A, 3 Pin + SC [^]	3P	3	DBMPS332SD	4500
32 A, 3 Pin + SC [^]	3P	4	DBMPS432SD	4790
63 A, 5 Pin + SC [^]	3P+N+E	4	DBMPS463SD	16225
Plastic Plug & Sockets				
16 A, 3 Pin	P+N+E	2	DBPPS316SD	3150
32 A, 3 Pin	P+N+E	4	DBPPS332SD	3400
32 A, 5 Pin	3P+N+E	8	DBPPS532SD	5680
63 A, 5 Pin	3P+N+E	8	DBPPS563SD	14220

Metal Plug [8536]



Description	No. of Pins	Cat. Nos.	M.R.P. (₹) Per Unit
10 A, 2 Pin + SC [^]	P + N	MPS210P	185
20 A, 2 Pin + SC [^]	P + N	MPS220P	195
20 A, 3 Pin + SC [^]	3P	MPS320P	255
32 A, 3 Pin + SC [^]	3P	MPS332P	490

Note: Standard pack quantity - 20 nos.

Metal Socket [8536]



Description	No. of Pins	Cat. Nos.	M.R.P. (₹) Per Unit
10 A, 2 Pin + SC [^]	P + N	MPS210S	190
20 A, 2 Pin + SC [^]	P + N	MPS220S	210
20 A, 3 Pin + SC [^]	3P	MPS320S	290
32 A, 3 Pin + SC [^]	3P	MPS332S	490

[^] SC-Scraping Earth

Note: Standard pack quantity - 20 nos.

Enclosure [8537]

Highlights

- Conforms to IS 8623-1 & 3, IEC 61439-1 & 3
- Suitable for Surface and Flush mounting
- Available in CRCA sheet steel, RAL9003, powder coated
- With provision to mount MCB/Isolator/RCCB/RCBO and other modular devices



IP 30 - Metal Door

Description	No. of Modules	Cat. Nos.	M.R.P. (₹) Per Unit
IP 30 - Metal Door			
2 way	2	DBENC002SD	775
3 way	3	DBENC003SD	775
4 way	4	DBENC004SD	775
6 way	6	DBENC006SD	1180

DBs with provision for TV/Telephone splitters [8537]

Highlights

- Distribution Boards equipped with provisions to mount TV / Telephone splitters
- Available in SPN & TPN DBs



DB Type	Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
		Incomer + Outgoing			
IP 43 - Metal Door					
SPN	6 way	2	4	DBSPN006DDTV	4295
	8 way	2	6	DBSPN008DDTV	4615
	12 way	2	10	DBSPN012DDTV	5680
	16 way	2	14	DBSPN016DDTV	6585
	18 way	2	16	DBSPN018DDTV	7790
TPN	4 way	8	4+4+4	DBTPN004DDTV	8440
	6 way	8	6+6+6	DBTPN006DDTV	9745
	8 way	8	8+8+8	DBTPN008DDTV	11620

Cable End Boxes [8537]



Highlights

- Available in CRCA sheet steel, RAL9003, powder coated
- Can be either at the top or bottom of the distribution board

Description	Cat. Nos.	M.R.P. (₹) Per Unit
CEB for SPN DBs		
CEB-SPN Double Door, 4 way	DBSPN004CBS	845
CEB-SPN Double Door, 6 way	DBSPN006CBS	905
CEB-SPN Double Door, 8 way	DBSPN008CBS	1015
CEB-SPN Double Door, 12 way	DBSPN012CBS	1130
CEB-SPN Double Door, 16 way	DBSPN016CBS	1590
CEB-SPN Double Door, 18 way	DBSPN018CBS	1645
CEB for TPN DBs		
CEB-TPE Double Door, 4 way	DBTPE004CBS	1090
CEB-TPE Double Door, 6 way	DBTPE006CBS	1550
CEB-TPN Double Door, 4 way	DBTPN004CBS	1140
CEB-TPN Double Door, 6 way	DBTPN006CBS	1600
CEB-TPN Double Door, 8 way	DBTPN008CBS	2015
CEB-TPN Double Door, 12 way	DBTPN012CBS	3345
CEB-TPN Double Door, 16 way	DBTPN016CBS	3375
CEB for Horizontal PPI DBs		
CEB-Horz. PPI Double Door, 4 way	DBHPI004CB	1690
CEB-Horz. PPI Double Door, 6 way	DBHPI006CB	2105
CEB-Horz. PPI Double Door, 8 way	DBHPI008CB	2645
CEB-Horz. PPI Double Door, 12 way	DBHPI012CB	3315
CEB-Horz. PPI Double Door, 16 way	DBHPI016CB	3605
CEB for VTPN DBs		
CEB-VTPN Double Door, Modular Incomer	DBVTMXXCB	1130
CEB-VTPN Double Door, MCCB Incomer	DBVTXXXCB	3985
CEB for Phase Segregated DBs		
CEB-PSG Double Door, 4 way	DBPSG004CB	2955
CEB-PSG Double Door, 6 way	DBPSG006CB	3525
CEB-PSG Double Door, 8 way	DBPSG008CB	3895
CEB-PSG Double Door, 12 way	DBPSG012CB	4335

DB Accessories

Busbar - Fork Type [8538]



Highlights

- Available in Single Pole, Double Pole, Three Pole and Four Pole versions
- Material : Copper

Description	Cat. Nos..	M.R.P. (₹) Per Unit	Std. Pack Qty.
SP 13 Mod	BSP13	375	5
SP 56 Mod	BSP56	1540	5
DP 12 Mod	BDP12	670	5
TP 12 Mod	BTP12	720	5
FP 12 Mod	BFP12	1430	5
End Caps for SP	ECP01	25	10
End Caps for DP/TP	ECP03	50	10
End Caps for FP	ECP04	85	10



Blanking Plates [8538]

Highlights

- Available in One module and Half module

Description	Cat. Nos.	M.R.P. (₹) Per Unit	Std. Pack Qty.
One Module	BKP10	25	10
Half Module	BKP05	25	10



PDK02

Padlock [8301]

Highlights

- Version with standard lock and a common key

Description	Cat. Nos.	M.R.P. (₹) Per Unit	Std. Pack Qty.
Lock and Key Kit	PDK02	655	5



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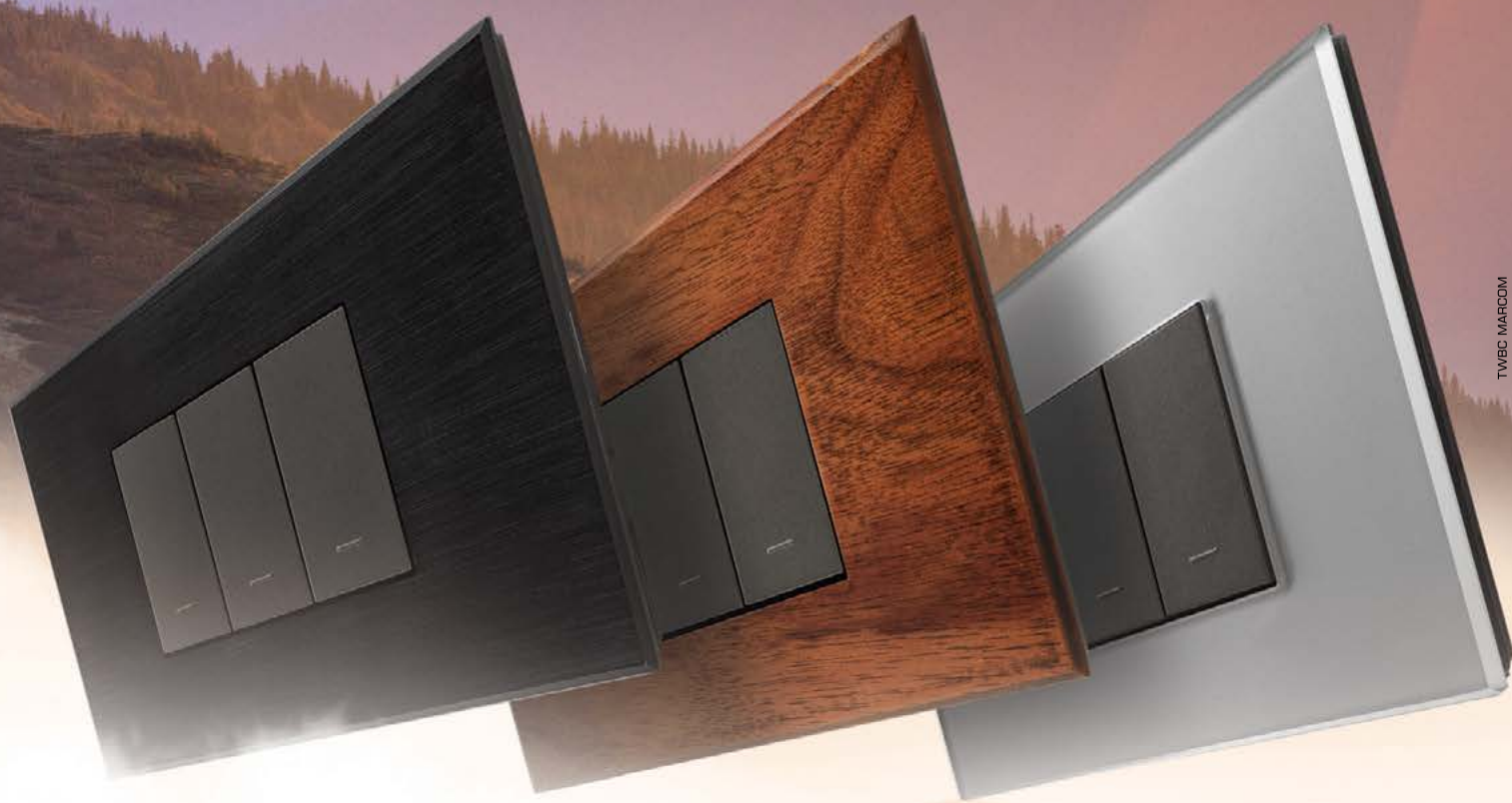
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Gopalpura Bypass,
Jaipur - 302018
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Protection

- MCBs
- RCCBs
- RCBOs
- SPDs

Monitoring

- Accessories
- Energy Meters
- Indicating Lights

Control

- Isolators
- Modular Contactors
- Changeover Switches
- Time Switches

AU-COM



Note:

[Green colour : HSN code]

Current GST 18%, subject to changes
as per Govt. notification

Translating technology into **real** benefits



AU Solutions for final distribution offer a unique blend of safety, convenience and performance. Each product in the AU Solutions range is designed to provide lasting benefits.

Lowest Watt Loss

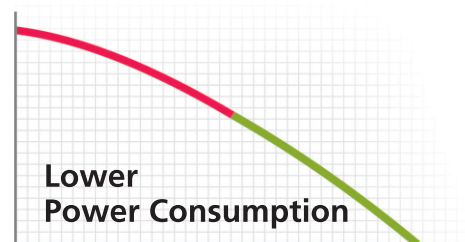
Saves money and natural resources

MCBs from AU Solutions offer the lowest watt loss in the industry. On an average, the watt loss values are almost 55% lower than those prescribed by IEC.

Lower watt loss means lower power consumption, which directly translates into monetary savings. Beyond tangible benefits, lower power requirement also hints at lower consumption of natural resources used for producing energy. In a nutshell, these MCBs are a small, yet significant step towards sustainability.

Maximum Power Loss Per Pole (W)

Current Ratings (A)	As Per IS/IEC 60898	For AU Range of MCBs	% lower
0.5	3	1.9	38%
1	3	2	33%
1.6	3	2.1	30%
2	3	2.1	30%
3	3	2.1	30%
4	3	2.1	30%
5	3	2.1	30%
6	3	1.1	63%
10	3	1.2	60%
16	3.5	1.8	50%
20	4.5	1.9	58%
25	4.5	2.1	54%
32	6	2.4	60%
40	7.5	3.1	59%
50	9	4.1	54%
63	13	4.3	67%
80	15	3.9	74%
100	15	6.2	59%
125	20	9.2	54%



Greater Savings



Towards Sustainability



For reducing
extra gases



For driving
extra miles



For electrifying
extra houses



Short-circuit Fault Indicator

Easy diagnosis, saves downtime

UNIQUE
BENEFIT

With the unique short-circuit fault indication feature, one can conclude if the MCB has tripped due to a short-circuit fault.

It helps in reducing downtime as the faulty phase and cause of MCB tripping are easily detected.

If the MCB has tripped on 'overload', non-critical loads can be switched off before switching the MCB on again.

In the case of a short-circuit fault, the location and cause of the short-circuit should be identified and the necessary corrective action should be taken.



Communication Capability

For smart systems

With the communication capability of AU Solutions, one can monitor and control various devices remotely.

The complete communication system can be deployed for effective energy management.



RoHS Compliance

Environment-friendly

RoHS compliant AU Solutions do not use any substances which are hazardous to the environment.



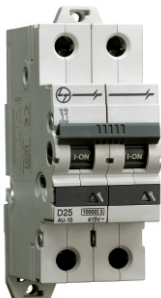
*Quick Connect section with rigid wire

MCBs (Miniature Circuit Breakers) [8536]

Range Highlights

- Conforms to IS/IEC 60898-1, EN 60898-1, IEC 60898-1, EN 60947-2, IEC 60947-2
- Wide Range of Current Ratings - 0.5A to 125A
- Short circuit Breaking Capacity
10kA (IEC 60898-1, EN 60898-1) - 0.5A to 63A
15kA (IEC 60947-2) - 0.5 to 40A; 10kA (IEC 60947-2) - 50A & 63A
15kA (IEC 60947-2, EN 60947-2) - 80, 100 & 125A
- B, C & D Characteristics
- Available in SP, DP, TP, FP, SPN and TPN
- Suitable for DC Application
- Suitable for Isolation
- Protection Degree - IP 20
- Availability of wide Range of Site Mountable Accessories

Standard Version AU-10 | 10kA as per IS/IEC 60898-1



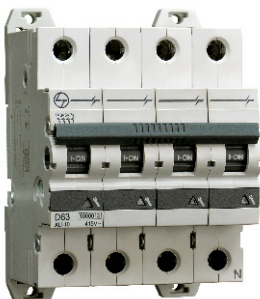
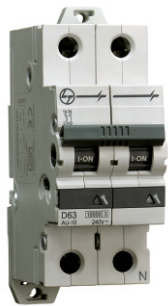
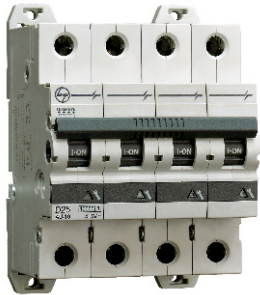
Rating	Module	B Curve CAT Nos.	M.R.P. (₹) Per Unit	C Curve CAT Nos.	M.R.P. (₹) Per Unit	D Curve CAT Nos.	M.R.P. (₹) Per Unit
Single Pole							
0.5A	1	-	-	AU10S10E53C	490	AU10S10E53D	495
1A	1	-	-	AU10S10013C	490	AU10S10013D	495
1.6A	1	-	-	AU10S11E63C	490	AU10S11E63D	495
2A	1	-	-	AU10S10023C	490	AU10S10023D	495
3A	1	-	-	AU10S10033C	490	AU10S10033D	495
4A	1	-	-	AU10S10043C	490	AU10S10043D	495
5A	1	-	-	AU10S10053C	490	AU10S10053D	495
6A	1	AU10S10063B	330	AU10S10063C	330	AU10S10063D	410
10A	1	AU10S10103B	330	AU10S10103C	330	AU10S10103D	410
16A	1	AU10S10163B	330	AU10S10163C	330	AU10S10163D	410
20A	1	AU10S10203B	330	AU10S10203C	330	AU10S10203D	410
25A	1	AU10S10253B	330	AU10S10253C	330	AU10S10253D	410
32A	1	AU10S10323B	330	AU10S10323C	330	AU10S10323D	410
40A	1	AU10S10403B	705	AU10S10403C	705	AU10S10403D	745
50A	1	AU10S10503B	705	AU10S10503C	705	AU10S10503D	745
63A	1	AU10S10633B	705	AU10S10633C	705	AU10S10633D	745
Two Pole							
0.5A	2	-	-	AU10S20E53C	1335	AU10S20E53D	1340
1A	2	-	-	AU10S20013C	1335	AU10S20013D	1340
1.6A	2	-	-	AU10S21E63C	1335	AU10S21E63D	1340
2A	2	-	-	AU10S20023C	1335	AU10S20023D	1340
3A	2	-	-	AU10S20033C	1335	AU10S20033D	1340
4A	2	-	-	AU10S20043C	1335	AU10S20043D	1340
5A	2	-	-	AU10S20053C	1335	AU10S20053D	1340
6A	2	AU10S20063B	965	AU10S20063C	965	AU10S20063D	985
10A	2	AU10S20103B	965	AU10S20103C	965	AU10S20103D	985
16A	2	AU10S20163B	965	AU10S20163C	965	AU10S20163D	985
20A	2	AU10S20203B	965	AU10S20203C	965	AU10S20203D	985
25A	2	AU10S20253B	965	AU10S20253C	965	AU10S20253D	985
32A	2	AU10S20323B	965	AU10S20323C	965	AU10S20323D	985
40A	2	AU10S20403B	1555	AU10S20403C	1555	AU10S20403D	1615
50A	2	AU10S20503B	1555	AU10S20503C	1555	AU10S20503D	1615
63A	2	AU10S20633B	1555	AU10S20633C	1555	AU10S20633D	1615
Three Pole							
0.5A	3	-	-	AU10S30E53C	1985	AU10S30E53D	2010
1A	3	-	-	AU10S30013C	1985	AU10S30013D	2010
1.6A	3	-	-	AU10S31E63C	1985	AU10S31E63D	2010
2A	3	-	-	AU10S30023C	1985	AU10S30023D	2010
3A	3	-	-	AU10S30033C	1985	AU10S30033D	2010
4A	3	-	-	AU10S30043C	1985	AU10S30043D	2010
5A	3	-	-	AU10S30053C	1985	AU10S30053D	2010
6A	3	AU10S30063B	1580	AU10S30063C	1580	AU10S30063D	1605
10A	3	AU10S30103B	1580	AU10S30103C	1580	AU10S30103D	1605
16A	3	AU10S30163B	1580	AU10S30163C	1580	AU10S30163D	1605
20A	3	AU10S30203B	1580	AU10S30203C	1580	AU10S30203D	1605
25A	3	AU10S30253B	1580	AU10S30253C	1580	AU10S30253D	1605
32A	3	AU10S30323B	1580	AU10S30323C	1580	AU10S30323D	1605
40A	3	AU10S30403B	2415	AU10S30403C	2415	AU10S30403D	2485
50A	3	AU10S30503B	2415	AU10S30503C	2415	AU10S30503D	2485
63A	3	AU10S30633B	2415	AU10S30633C	2415	AU10S30633D	2485

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP/SPN - 6 Nos., TP - 4 Nos., FP/TPN - 3 Nos.

MCBs (Miniature Circuit Breakers) [8536]



Standard Version AU-10 I 10kA as per IS/IEC 60898-1



Rating	Module	B Curve CAT Nos.	M.R.P. (₹) Per Unit	C Curve CAT Nos.	M.R.P. (₹) Per Unit	D Curve CAT Nos.	M.R.P. (₹) Per Unit
Four Pole							
0.5A	4	-	-	AU10S40E53C	2455	AU10S40E53D	2470
1A	4	-	-	AU10S40013C	2455	AU10S40013D	2470
1.6A	4	-	-	AU10S41E63C	2455	AU10S41E63D	2470
2A	4	-	-	AU10S40023C	2455	AU10S40023D	2470
3A	4	-	-	AU10S40033C	2455	AU10S40033D	2470
4A	4	-	-	AU10S40043C	2455	AU10S40043D	2470
5A	4	-	-	AU10S40053C	2455	AU10S40053D	2470
6A	4	AU10S40063B	2115	AU10S40063C	2115	AU10S40063D	2025
10A	4	AU10S40103B	2115	AU10S40103C	2115	AU10S40103D	2125
16A	4	AU10S40163B	2115	AU10S40163C	2115	AU10S40163D	2125
20A	4	AU10S40203B	2115	AU10S40203C	2115	AU10S40203D	2125
25A	4	AU10S40253B	2115	AU10S40253C	2115	AU10S40253D	2125
32A	4	AU10S40323B	2115	AU10S40323C	2115	AU10S40323D	2125
40A	4	AU10S40403B	3030	AU10S40403C	3030	AU10S40403D	3145
50A	4	AU10S40503B	3030	AU10S40503C	3030	AU10S40503D	3145
63A	4	AU10S40633B	3030	AU10S40633C	3030	AU10S40633D	3145
SPN							
0.5A	2	-	-	AU10S50E53C	1275	-	-
1A	2	-	-	AU10S50013C	1275	-	-
1.6A	2	-	-	AU10S51E63C	1275	-	-
2A	2	-	-	AU10S50023C	1275	-	-
3A	2	-	-	AU10S50033C	1275	-	-
4A	2	-	-	AU10S50043C	1275	-	-
5A	2	-	-	AU10S50053C	1275	-	-
6A	2	-	-	AU10S50063C	895	-	-
10A	2	-	-	AU10S50103C	895	-	-
16A	2	-	-	AU10S50163C	895	-	-
20A	2	-	-	AU10S50203C	895	-	-
25A	2	-	-	AU10S50253C	895	-	-
32A	2	-	-	AU10S50323C	895	-	-
40A	2	-	-	AU10S50403C	1445	-	-
50A	2	-	-	AU10S50503C	1445	-	-
63A	2	-	-	AU10S50633C	1445	-	-
TPN							
0.5A	4	-	-	AU10ST0E53C	2355	-	-
1A	4	-	-	AU10ST0013C	2355	-	-
1.6A	4	-	-	AU10ST1E63C	2355	-	-
2A	4	-	-	AU10ST0023C	2355	-	-
3A	4	-	-	AU10ST0033C	2355	-	-
4A	4	-	-	AU10ST0043C	2355	-	-
5A	4	-	-	AU10ST0053C	2355	-	-
6A	4	-	-	AU10ST0063C	1975	-	-
10A	4	-	-	AU10ST0103C	1975	-	-
16A	4	-	-	AU10ST0163C	1975	-	-
20A	4	-	-	AU10ST0203C	1975	-	-
25A	4	-	-	AU10ST0253C	1975	-	-
32A	4	-	-	AU10ST0323C	1975	-	-
40A	4	-	-	AU10ST0403C	2855	-	-
50A	4	-	-	AU10ST0503C	2855	-	-
63A	4	-	-	AU10ST0633C	2855	-	-

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP/SPN - 6 Nos., TP - 4 Nos., FP/TPN - 3 Nos.

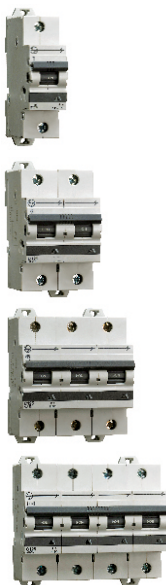
Miniature Circuit Breaker (MCB) [8536]



MCBs (Miniature Circuit Breakers) : 80A-125A [8536]

Range Highlights

- Short circuit Breaking Capacity - 15kA (IEC 60947-2, EN 60947-2)
- C & D Characteristics
- Available in SP, DP, TP and FP
- Suitable for Isolation
- Protection Degree - IP 20
- Availability of wide Range of Site Mountable Accessories



Rating	Module	C Curve Cat. No.	M.R.P. (₹) Per Unit	D Curve Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)					
80A	1.5	AU15S10803C	2550	AU15S10803D	2900
100A	1.5	AU15S11003C	2855	AU15S11003D	3245
125A	1.5	AU15S11253C	3070	AU15S11253D	3510
Double Pole (DP)					
80A	3	AU15S20803C	5650	AU15S20803D	6430
100A	3	AU15S21003C	6025	AU15S21003D	6855
125A	3	AU15S21253C	6630	AU15S21253D	7540
Three Pole (TP)					
80A	4.5	AU15S30803C	8915	AU15S30803D	10150
100A	4.5	AU15S31003C	9505	AU15S31003D	10805
125A	4.5	AU15S31253C	10545	AU15S31253D	11985
Four Pole (FP)					
80A	6	AU15S40803C	11640	AU15S40803D	13215
100A	6	AU15S41003C	12105	AU15S41003D	13775
125A	6	AU15S41253C	13710	AU15S41253D	15585

RCCBs (Residual Current Circuit Breakers) [8536]



Range Highlights*

- Conforms to IEC 61008-1, EN 61008-1, IS 12640-1
- Wide Range of Current Ratings - 16A to 100A
- Precise Sensitivities for variety of applications - from 10mA to 500mA
- 2P & 4P versions
- Suitable for Isolation

- Protection Degree - IP 20
- Availability of wide Range of Site Mountable Accessories
- Available in
 - Type AC : For standard AC installations
 - Type Adi : Suitable for AC + Pulsating DC (Type A) + Harmonics

Type-AC



Rating	Sensitivity	Module	CAT Nos.	M.R.P. (₹) Per Unit
2P AC				
16A	10mA	2	AURAC201601	6065
25A	10mA	2	AURAC202501	6590
	30mA	2	AURAC202503	3405
	100mA	2	AURAC202510	3610
	300mA	2	AURAC202530	3610
	500mA	2	AURAC202550	4405
40A	30mA	2	AURAC204003	3895
	100mA	2	AURAC204010	4200
	300mA	2	AURAC204030	4200
	500mA	2	AURAC204050	5035
63A	30mA	2	AURAC206303	4730
	100mA	2	AURAC206310	4945
	300mA	2	AURAC206330	4945
	500mA	2	AURAC206350	5315
80A	30mA	2	AURAC208003	7720
	100mA	2	AURAC208010	7775
	300mA	2	AURAC208030	7775
100A	30mA	2	AURAC210003	8425
	100mA	2	AURAC210010	8490
	300mA	2	AURAC210030	8490



Rating	Sensitivity	Module	CAT Nos.	M.R.P. (₹) Per Unit
4P AC				
25A	30mA	4	AURAC402503	4540
	100mA	4	AURAC402510	4815
	300mA	4	AURAC402530	4815
	500mA	4	AURAC402550	5790
40A	30mA	4	AURAC404003	4580
	100mA	4	AURAC404010	4885
	300mA	4	AURAC404030	4885
	500mA	4	AURAC404050	5870
63A	30mA	4	AURAC406303	5260
	100mA	4	AURAC406310	5595
	300mA	4	AURAC406330	5595
	500mA	4	AURAC406350	5995
80A	30mA	4	AURAC408003	8715
	100mA	4	AURAC408010	8790
	300mA	4	AURAC408030	8790
	500mA	4	AURAC408050	9335
100A	30mA	4	AURAC410003	9285
	100mA	4	AURAC410010	9345
	300mA	4	AURAC410030	9345
	500mA	4	AURAC410050	9625

Type-Adi



Rating	Sensitivity	Module	CAT Nos.	M.R.P. (₹) Per Unit
2P Adi				
25A	30mA	2	AURAD202503	5130
	100mA	2	AURAD202510	5360
	300mA	2	AURAD202530	5360
40A	30mA	2	AURAD204003	5445
	100mA	2	AURAD204010	5530
	300mA	2	AURAD204030	5530
63A	30mA	2	AURAD206303	6365
	100mA	2	AURAD206310	6485
	300mA	2	AURAD206330	6485
100A	30mA	2	AURAD210003	9405



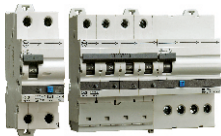
Rating	Sensitivity	Module	CAT Nos.	M.R.P. (₹) Per Unit
4P Adi				
25A	30mA	4	AURAD402503	6200
	100mA	4	AURAD402510	6320
	300mA	4	AURAD402530	6320
40A	30mA	4	AURAD404003	6440
	100mA	4	AURAD404010	6540
	300mA	4	AURAD404030	6540
63A	30mA	4	AURAD406303	7010
	100mA	4	AURAD406310	7155
	300mA	4	AURAD406330	7155
100A	30mA	4	AURAD410003	11165
	300mA	4	AURAD410030	11165

* For technical details, please contact nearest branch office

RCBOs (Residual Current Breaker with Overcurrent Protection) [8536]

Range Highlights*

- Conforms to IEC 61009-1, IS 12640-2, EN 61009-1
- Short circuit Breaking Capacity - 10kA
- Precise Sensitivities for a variety of applications - from 10mA to 300mA
- Suitable for Isolation



- Availability of wide Range of Site Mountable Accessories
- Available in
 - Type AC : For standard AC installations
 - Type Adi : Suitable for AC + Pulsating DC (Type A) + Harmonics

Type-AC

Rating	Sensitivity	Module	CAT Nos.	M.R.P. (₹) Per Unit
2P AC				
6A	10mA	2	AUF3C200601	4745
	30mA	2	AUF3C200603	4745
	100mA	2	AUF3C200610	4845
	300mA	2	AUF3C200630	4900
10A	10mA	2	AUF3C201001	4745
	30mA	2	AUF3C201003	4745
	100mA	2	AUF3C201010	4845
	300mA	2	AUF3C201030	4900
16A	10mA	2	AUF3C201601	4745
	30mA	2	AUF3C201603	4745
	100mA	2	AUF3C201610	4845
	300mA	2	AUF3C201630	4900
20A	30mA	2	AUF3C202003	4745
	100mA	2	AUF3C202010	4845
	300mA	2	AUF3C202030	4900
25A	30mA	2	AUF3C202503	4745
	100mA	2	AUF3C202510	4845
	300mA	2	AUF3C202530	4900
32A	30mA	2	AUF3C203203	4745
	100mA	2	AUF3C203210	4845
	300mA	2	AUF3C203230	4900
40A	30mA	2	AUF3C204003	4745
	100mA	2	AUF3C204010	4845
	300mA	2	AUF3C204030	4900
63A	30mA	4	AUF3C206303	5940
	100mA	4	AUF3C206310	6300
	300mA	4	AUF3C206330	6350
4P AC				
16A	30mA	7.5	AUF3C401603	5370
	100mA	7.5	AUF3C401610	5980
	300mA	7.5	AUF3C401630	6100
20A	30mA	7.5	AUF3C402003	5370
	100mA	7.5	AUF3C402010	5980
	300mA	7.5	AUF3C402030	6100
25A	30mA	7.5	AUF3C402503	5370
	100mA	7.5	AUF3C402510	5980
	300mA	7.5	AUF3C402530	6100
32A	30mA	7.5	AUF3C403203	5545
	100mA	7.5	AUF3C403210	5985
	300mA	7.5	AUF3C403230	6115
40A	30mA	7.5	AUF3C404003	5635
	100mA	7.5	AUF3C404010	5985
	300mA	7.5	AUF3C404030	6135
63A	30mA	7.5	AUF3C406303	6750
	100mA	7.5	AUF3C406310	6875
	300mA	7.5	AUF3C406330	6875
80A	30mA	12	AUF3C408003	25685
	100mA	12	AUF3C408010	26260
	300mA	12	AUF3C408030	26260
100A	30mA	12	AUF3C410003	27460
	100mA	12	AUF3C410010	28115
	300mA	12	AUF3C410030	28115

Type-Adi

Rating	Sensitivity	Module	CAT Nos.	M.R.P. (₹) Per Unit
2P Adi				
6A	30mA	2	AUF3D200603	6285
	100mA	2	AUF3D200610	6920
	300mA	2	AUF3D200630	7180
10A	30mA	2	AUF3D201003	6285
	100mA	2	AUF3D201010	6920
	300mA	2	AUF3D201030	7180
16A	30mA	2	AUF3D201603	6285
	100mA	2	AUF3D201610	6920
	300mA	2	AUF3D201630	7180
20A	30mA	2	AUF3D202003	6285
	100mA	2	AUF3D202010	6920
	300mA	2	AUF3D202030	7180
25A	30mA	2	AUF3D202503	6285
	100mA	2	AUF3D202510	6920
	300mA	2	AUF3D202530	7180
32A	30mA	2	AUF3D203203	6285
	100mA	2	AUF3D203210	6920
	300mA	2	AUF3D203230	7180
40A	30mA	2	AUF3D204003	6285
	100mA	2	AUF3D204010	6920
	300mA	2	AUF3D204030	7180
63A	30mA	4	AUF3D206303	7665
	100mA	4	AUF3D206310	8110
	300mA	4	AUF3D206330	8180
4P Adi				
16A	30mA	7.5	AUF3D401603	6925
	100mA	7.5	AUF3D401610	7705
	300mA	7.5	AUF3D401630	7860
20A	30mA	7.5	AUF3D402003	6925
	100mA	7.5	AUF3D402010	7705
	300mA	7.5	AUF3D402030	7860
25A	30mA	7.5	AUF3D402503	6925
	100mA	7.5	AUF3D402510	7705
	300mA	7.5	AUF3D402530	7860
32A	30mA	7.5	AUF3D403203	7150
	100mA	7.5	AUF3D403210	7710
	300mA	7.5	AUF3D403230	7870
40A	30mA	7.5	AUF3D404003	7255
	100mA	7.5	AUF3D404010	7710
	300mA	7.5	AUF3D404030	7905
63A	30mA	7.5	AUF3D406303	8695
	100mA	7.5	AUF3D406310	8870
	300mA	7.5	AUF3D406330	8870
80A	30mA	12	AUF3D408003	25685
	100mA	12	AUF3D408010	26260
	300mA	12	AUF3D408030	26260
100A	30mA	12	AUF3D410003	27460
	100mA	12	AUF3D410010	28115
	300mA	12	AUF3D410030	28115

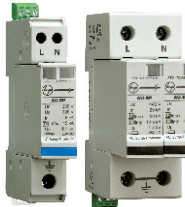
* For technical details, please contact nearest branch office

Indicating Lights [8531]



Description	Module	Cat. No.	M.R.P. (₹) Per Unit
RED	1	AUIL01RED00	1035
YELLOW	1	AUIL01YEL00	1035
BLUE	1	AUIL01BLU00	1035
GREEN	1	AUIL01GRE00	1035
RED-YELLOW-BLUE	1	AUIL01RYB00	1255

SPDs (Surge Protection Devices) [8536]



Range Highlights

- Conforms to IEC 61643-11
- Available in Type 2 and Type 1+2
- Type 2 : Protection against indirect lightning and switching surges
 - Maximum Discharge Current - I_{max} up to 70kA
- Type 1+2 : Protection against direct and indirect lightning surges
 - Maximum Discharge Current - I_{max} up to 100kA

800V Solar Application

Description	Configuration	Module	Voltage (Uc)	Cat. No.	M.R.P. (₹) Per Unit
Type 2, I _{imp} 12.5kA	3P	4	1500	AUSP023P40-1500	12500
Type 1+2, I _{imp} 12.5kA	3P	5	1360	AUSP123P50-1360	41430
Type 1+2, I _{imp} 12.5kA	3P	4	880	AUSP123P50-880	30000



440V Application

Description	I _{max}	Configuration	Module	Cat. No.	M.R.P. (₹) Per Unit
Type 1+2, I _{imp} 12.5kA	50kA	1P+N	2	AUSP121PN50	10045
		3P+N	4	AUSP123PN50	19235
Type 2	40kA	1P+N	1	AUSP021PN40	6275
		3P+N	2	AUSP023PN40	12545
Type 2	15kA	1P+N	1	AUSP021PN15	5020
		3P+N	2	AUSP023PN15	9875
Type 1+2, I _{imp} 8kA	100kA	1P+N	2	AUSP121PN100	9030
		3P+N	4	AUSP123PN100	17740
Type 2	70kA	1P+N	2	AUSP021PN70	9855
		3P+N	4	AUSP023PN70	16420



Description	Cat. No.	M.R.P. (₹) Per Unit
Cartridge for AUSP021PN15	AUSC021PN15	2515
Cartridge for AUSP021PN40	AUSC021PN40	3135
Cartridge for AUSP021PN70 / AUSP023PN70	AUSC021PN70	3350
Cartridge for AUSP023PN15	AUSC023PN15	3290
Cartridge for AUSP023PN40	AUSC023PN40	4185
Cartridge for AUSP121PN100 / AUSP123PN100	AUSC121PN100	5020
Cartridge for AUSP121PN50 / AUSP123PN50	AUSC121PN50	5420

Accessories [8538]

All Half Module and One Module Accessories are common for 80A-125A MCBs, RCBOs and Adi RCCBs



Description	Configuration	Module	Voltage	CAT Nos.	M.R.P. (₹) Per Unit
Auxiliary Contact	1NO+1NC	0.5	240V AC, 24V DC	AUAXAC240	940
AUX/TAC*	1NO+1NC	0.5	240V AC, 24V DC	AUATAC240	1105
HR AUX/TAC*	1NO+1NC	0.5	240V AC, 24V DC	AUATAC240HR	1105
Undervoltage Release	-	1	240V AC	AUUVAC240	2225
	-	1	24V DC	AUUVDC024	2225
Overvoltage Release	-	1	240V AC	AUOVAC240	2750
Shunt Release	-	1	240V AC	AUSRAC240	2550
	-	1	24V DC	AUSRDC024	2550
Padlock-Suitable for Lock Hasp 3.5 - 5 mm dia. max	Suitable for 1Pole=1Mod devices: RCCBs, RCBOs, Changeover Switches up to 40A			AUPD01	505
	Suitable for 1Pole-1.5Mod devices: MCBs 80A-125A, Changeover Switch 63A			AUPD02	570

Note: Standard Pack Quantity for Padlock - 2 Nos.

* For 80A-125A MCBs please contact nearest branch office

Energy Meters [9030]



Range Highlights

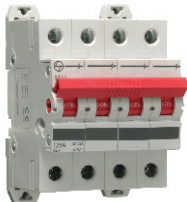
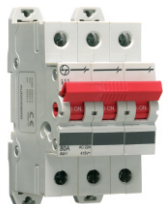
- Communication with additional RS485 & WiFi module
- Class 1 accuracy
- Direct current operated meter
- Reverse current indication for three-phase meter

Description	Module	Cat. No.	M.R.P. (₹) Per Unit
Single Phase - 60A	2	WD4010100000	2630
Three Phase - 80A	5	WD4020100000	5975
Single Phase - 60A (RS485)	2	WD4010110000	4200
Three Phase - 80A (RS485)	5	WD4020110000	8605

Isolators [8536]

Range Highlights

- Suitable for Isolation as per IEC 60947-3, IS/IEC 60947-3
- Providing operational safety at the downstream
- Comprehensive range suitable for various applications
- Utilization Category of AC-22A
- Suitability for Mounting Auxiliary Contact

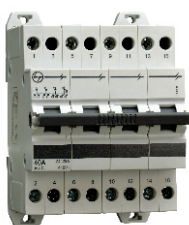


Rating	Module	CAT Nos.	M.R.P. (₹) Per Unit
Double Pole			
25A	2	AUI00202500	490
32A	2	AUI00203200	540
40A	2	AUI00204000	590
63A	2	AUI00206300	775
80A	2	AUI00208000	945
100A	2	AUI00210000	1050
125A	2	AUI00212500	1195
Three Pole			
32A	3	AUI00303200	950
40A	3	AUI00304000	1020
63A	3	AUI00306300	1195
80A	3	AUI00308000	1315
100A	3	AUI00310000	1370
125A	3	AUI00312500	1545
Four Pole			
32A	4	AUI00403200	1050
40A	4	AUI00404000	1300
63A	4	AUI00406300	1430
80A	4	AUI00408000	1575
100A	4	AUI00410000	1745
125A	4	AUI00412500	1915

Changeover Switches [8536]

Range Highlights

- Conforms to IEC 60947-3 and IS/IEC 60947-3
- Available in 3 positions (I-O-II) with centre off position
- Utilization category AC-22A



Rating	Module	CAT Nos.	M.R.P. (₹) Per Unit
Double Pole			
25A	2	AUC00202500	1630
40A	2	AUC00204000	2490
63A	3	AUC00206300	2900
Four Pole			
40A	4	AUC00404000	4290
63A	6	AUC00406300	4865

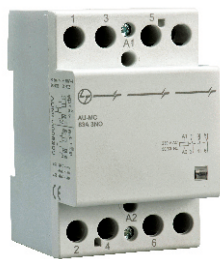
Time Switches [9107]



Description	Module	CAT Nos.	M.R.P. (₹) Per Unit
Analog time switch	1	AUTS01ANA00	4645
Analog time switch	3	AUTS03ANA00	5650
Digital time switch	2	AUTS02DIG00*	3595
Astro time switch	2	AUTS02AST00*	6040
Digital time switch	2	67DDT0.#	2355
Astro time switch	2	T2DDT7.#	4410

*Available till stocks last

Modular Contactors [8536]



Range Highlights

- Wide Range of Current Ratings:
 - 25A, 40A and 63A
- Conforms to:
 - IEC 61095, EN 61095
 - IEC 60947-4-1, EN 60947-4-1
 - IEC 60947-5-1
- Protection Degree IP 20

Description (AC-1)	Module	Cat. No.	M.R.P. (₹) Per Unit
25A-1NO	1	AUMC1002501	1810
25A-2NO	1	AUMC2002501	2265
40A-2NO	3	AUMC2004003	3880
40A-3NO	3	AUMC3004003	5560
40A-4NO	3	AUMC4004003	6525
63A-2NO+2NC	3	AUMC2206303	6895
63A-3NO	3	AUMC3006303	7065
63A-4NO	3	AUMC4006303	7780
Accessory [8538]			
Auxiliary Contact, 2NO	0.5	AUMCAUX240	1740

Single Phase - ACCL [8536]

Automatic Changeover with Current Limiter



Range Highlights

- Conforms to IEC 60947-6, IEC 60947-3
- Wide Range of Current Ratings
 - (Generator side) - 1A to 30A
 - (Electricity Board side) - 30A
- RoHS compliant

Description EB/DG	Module	CAT Nos.	M.R.P. (₹) Per Unit
30A/1A	4	AUCL01030001	2410
30A/1.5A	4	AUCL010301E5	2410
30A/2A	4	AUCL01030002	2410
30A/2.5A	4	AUCL010302E5	2410
30A/3A	4	AUCL01030003	2410
30A/4A	4	AUCL01030004	2410
30A/5A	4	AUCL01030005	2410
30A/6A	4	AUCL01030006	2410
30A/8A	4	AUCL01030008	2410
30A/10A	4	AUCL01030010	2410
30A/12A	4	AUCL01030012	2410
30A/15A	4	AUCL01030015	2410
30A/20A	4	AUCL01030020	2410
30A/30A	4	AUCL01030030*	2410

* Non-current limiting variant

Three Phase - ACCL [8536]

Automatic Changeover with Current Limiter



Range Highlights

- Settable overload current limit at DG side
- Separate power consumption monitoring for Mains & Genset
- Settable overvoltage & undervoltage protection
- Settable TPN or SPN mode at DG side
- Protection against single phasing

Description (AC-1) EB/DG	Cat. No.	M.R.P. (₹) Per Unit
32A / 32A	AUCL03032032	10165
40A / 32A	AUCL03040032	10475
40A / 40A	AUCL03040040	11340
50A / 50A	AUCL03050050	16155
63A / 50A	AUCL03063050	17830
63A / 63A	AUCL03063063	20195
80A / 80A	AUCL03080080	30780
125A / 125A	AUCL03125125	51815

For 3 Phase ACCL programming video please scan the QR code or click here



AU-COM: Communication Solution [8538]

Range Highlights

- Can be deployed for AU range of MCBs, RCCBs, RCBOs & energy meters
- Capable of local and remote status monitoring of final distribution products- ON, OFF and TRIP
- With AU-COM and modular contactors AU-MC, remote controlling of the load can be achieved
- The convertor module converts RS 485 data signals from AU-COM into SCADA-compatible ethernet signals
- For remote monitoring and metering of energy, single-phase and three-phase energy meters with RS 485 converters or Wi-Fi modules can be used



Description	Module	CAT Nos.	M.R.P. (₹) Per Unit
AU-COM communication module	1.5	AUCOM0402	*
AU-CON convertor module	1.5	AUCON0403	*

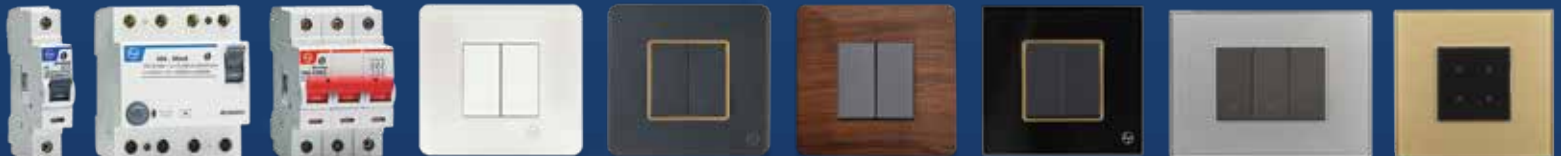
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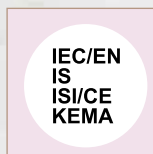
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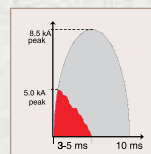
World Class Safety Standards

Tripper products conform to relevant global standards viz., IEC, EN and IS. They also have CE/ISI marking and DEKRA certification.



Safety Redefined

Finger proof terminals eliminate chances of accidental contact with live parts. You can install, operate and maintain tripper with total confidence.



Energy Limiting Class - 3

If fault occurs, the rapid arc quenching mechanism operates and extinguishes the arc quickly, ensuring lowest possible energy flow through the circuit. This minimizes risk of fire and maximizes life of your equipment.



Safety Meets Superior Aesthetics

Ergonomically designed, profiled for superior cooling and manufactured with fire retardant material. Tripper offers user safety combined with elegance.



True Contact Indication

Tripper range enhances safety through true contact indication even from a distance regardless of it's knob position. Red and Green indication flag positively identifies the electrical ON/OFF status.



Innovatively Profiled Breathing Channels

When two or more poles are placed adjacent to each other, the breathing channels are so profiled that the air circulates around individual pole, resulting in cooler operation, year after year.



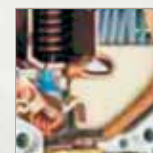
Large Terminal Size & Biconnect

Tripper can easily accommodate cables of up to 35 sq.mm. Biconnect terminals offer convenience of connecting both cable and bus bar.



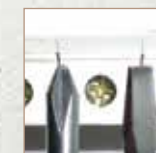
Two Position DIN Rail Clip

Installation on a DIN rail is further simplified with a two position DIN rail clip as a standard feature. Tripper range makes mounting on a standard DIN rail more convenient.



Non-Welding Contacts

Silver Graphite contact tips ensure higher life and maximum safety against contact welding due to it's superior anti-welding properties, enhancing safety and life of the system.



Combihead Screw

Tripper range of products provided with combihead screws allow you to use standard as well as Phillips screwdrivers, offering flexibility.



HIGHLIGHTS

- marked, marked
- Conforms to IS/IEC 60898 - 6 kA
- Higher life with use of heavy duty contacts
- Innovatively designed breathing channels between poles ensure cooler operation
- Energy saving - watt loss approximately 50% lower than those prescribed by IEC standard
- Manufactured with high quality fire retardant material
- True contact indication for enhanced safety



Single Pole

MINIATURE CIRCUIT BREAKERS (MCBs) - B CURVE

Description	Single Pole	
	Cat No	MRP/Unit in ₹
6A B Curve	BA10060B	201
10A B Curve	BA10100B	201
16A B Curve	BA10160B	201
20A B Curve	BA10200B	201
25A B Curve	BA10250B	201
32A B Curve	BA10320B	201
40A B Curve	BA10400B	475



Single Pole

Double Pole

Three Pole

Four Pole

MINIATURE CIRCUIT BREAKERS (MCBs) - C CURVE

Description	Single Pole		Double Pole		Three Pole		Four Pole	
	Cat No	MRP/Unit in ₹	Cat No	MRP/Unit in ₹	Cat No	MRP/Unit in ₹	Cat No	MRP/Unit in ₹
6A C Curve	BA10060C	201	BA20060C	735	BA30060C	1225	BA40060C	1620
10A C Curve	BA10100C	201	BA20100C	735	BA30100C	1225	BA40100C	1620
16A C Curve	BA10160C	201	BA20160C	735	BA30160C	1225	BA40160C	1620
20A C Curve	BA10200C	201	BA20200C	735	BA30200C	1225	BA40200C	1620
25A C Curve	BA10250C	201	BA20250C	735	BA30250C	1225	BA40250C	1620
32A C Curve	BA10320C	201	BA20320C	735	BA30320C	1225	BA40320C	1620
40A C Curve	BA10400C	475	BA20400C	1085	BA30400C	1760	BA40400C	2155
63A C Curve	BA10630C	530	BA20630C	1205	BA30630C	1890	BA40630C	2310

Note: Standard Pack Quantity for MCB: SP - 12 Nos., DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.



HIGHLIGHTS

- marked, marked
- Conforms to IS 12640 - 1, IEC 61008-1
- Available in DP & FP versions from 25A to 63A ratings with 30mA, 100mA & 300mA sensitivity
- Operates on Core Balance Current Transformer (CBCT) principle
- Finger proof IP20 terminals



Double Pole



Four Pole

RESIDUAL CURRENT CIRCUIT BREAKERS/EARTH LEAKAGE CIRCUIT BREAKERS (RCCBs/ELCBs)

Description	Double Pole		Four Pole	
	Cat No	MRP/Unit in ₹	Cat No	MRP/Unit in ₹
25A 30mA	BC202503	2700	BC402503	3540
25A 100mA	BC202510	2795	BC402510	3605
25A 300mA	BC202530	2795	BC402530	3605
40A 30mA	BC204003	2980	BC404003	3595
40A 100mA	BC204010	3015	BC404010	3670
40A 300mA	BC204030	3015	BC404030	3670
63A 30mA	BC206303	3810	BC406303	4000
63A 100mA	BC206310	3855	BC406310	4060
63A 300mA	BC206330	3855	BC406330	4060

HIGHLIGHTS

- marked
- Conforms to IEC 60947 - 3
- Higher life with use of heavy duty contacts
- Innovatively designed breathing channels between poles ensure cooler operation
- Manufactured with high quality fire retardant material
- True contact indication for enhanced safety



Double Pole



Three Pole



Four Pole

ISOLATORS

Description	Double Pole		Three Pole		Four Pole	
	Cat No	MRP/Unit in ₹	Cat No	MRP/Unit in ₹	Cat No	MRP/Unit in ₹
40A Isolator	BE204000	465	BE304000	810	BE404000	1045
63A Isolator	BE206300	580	BE306300	925	BE406300	1080
100A Isolator	BE210000	790	BE310000	1095	BE410000	1310

Note: Standard Pack Quantity for Isolator : DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.



HIGHLIGHTS

- CE marked
- Conforms to IEC 60947-6, IEC 60947-3
- Wide Range of Current Ratings
 - Generator Side - 1.5A to 30A
 - Electricity Board Side - 30A
- No. of Poles 1P+N, for single phase applications
- Protection Degree - IP20
- Reliable microcontroller based design for sensing & control
- Lower power consumption
- RoHS compliant



ACCL



AUTOMATIC CHANGEOVER WITH CURRENT LIMITER(ACCL)

Description EB/DG	Modules	Cat No	MRP/Unit in ₹
30A/1.5A	4	BCL010301E5	2085
30A/2.5A	4	BCL010302E5	2085
30A/3A	4	BCL01030003	2085
30A/4A	4	BCL01030004	2085
30A/5A	4	BCL01030005	2085
30A/6A	4	BCL01030006	2085
30A/8A	4	BCL01030008	2085
30A/10A	4	BCL01030010	2085
30A/12A	4	BCL01030012	2085
30A/15A	4	BCL01030015	2085
30A/20A	4	BCL01030020	2085
30A/30A#	4	BCL01030030	2085

#Non current limiting variant

HIGHLIGHTS

- Conforms to IEC 60947-3
- Available with 3 positions (I-O-II) with centre off position
- Utilization category AC-22A



Double Pole



Four Pole

MODULAR CHANGEOVER SWITCHES

Double Pole				Four Pole			
Description	Modules	Cat No	MRP/Unit in ₹	Description	Modules	Cat No	MRP/Unit in ₹
25A	2	AUC00202500	1595	40A	4	AUC00404000	4210
40A	2	AUC00204000	2440	63A	6	AUC00406300	4775
63A	3	AUC00206300	2845				



HIGHLIGHTS

- marked, marked
- Conforms to IS 12640-2, IEC 61009-1
- Combination of ELCB & MCB (EL+MCB) offers 3 in 1 protection against - overload, short circuit and earth leakage
- Easy fault identification -
 1. Over current fault : MCB side knob trips
 2. Leakage current fault : Both MCB and ELCB side knobs trip



Double Pole



Four Pole

EARTH LEAKAGE + MINIATURE CIRCUIT BREAKER - EL+MCB (RCBO)

Description	Double Pole				
	Cat No (30 mA)	MRP/Unit in ₹	Cat No (100 mA)	Cat No (300 mA)	MRP/Unit in ₹
6A 2P EL+MCB	CB9000100TO	3935	CB9000300TO	CB9000500TO	4080
10A 2P EL+MCB	CB9000100VO	3935	CB9000300VO	CB9000500VO	4080
16A 2P EL+MCB	CB9000100BO	3935	CB9000300BO	CB9000500BO	4080
20A 2P EL+MCB	CB9000100CO	3935	CB9000300CO	CB9000500CO	4080
25A 2P EL+MCB	CB9000100DO	3935	CB9000300DO	CB9000500DO	4080
32A 2P EL+MCB	CB9000100EO	4420	CB9000300EO	CB9000500EO	4335
40A 2P EL+MCB	CB9000100FO	4420	CB9000300FO	CB9000500FO	4335
63A 2P EL+MCB	CB9000100HO	5425	CB9000300HO	CB9000500HO	5175

EARTH LEAKAGE + MINIATURE CIRCUIT BREAKER - EL+MCB (RCBO)

Description	Four Pole				
	Cat No (30 mA)	MRP/Unit in ₹	Cat No (100 mA)	Cat No (300 mA)	MRP/Unit in ₹
6A 4P EL+MCB	CB9000200TO	4670	CB9000400TO	CB9000600TO	4565
10A 4P EL+MCB	CB9000200VO	4670	CB9000400VO	CB9000600VO	4565
16A 4P EL+MCB	CB9000200BO	4670	CB9000400BO	CB9000600BO	4565
20A 4P EL+MCB	CB9000200CO	4670	CB9000400CO	CB9000600CO	4565
25A 4P EL+MCB	CB9000200DO	4670	CB9000400DO	CB9000600DO	4565
32A 4P EL+MCB	CB9000200EO	5040	CB9000400EO	CB9000600EO	4805
40A 4P EL+MCB	CB9000200FO	5040	CB9000400FO	CB9000600FO	4805
63A 4P EL+MCB	CB9000200HO	5970	CB9000400HO	CB9000600HO	5575

Note: Standard Pack Quantity for EL+MCB: DP - 8 Nos., FP - 6 Nos.





VALUE + STYLE

The Tripbox PLUS range of Distribution Boards offer the perfect blend of aesthetics and value. Crafted for modern homes, its features ensure ease of installation, enhanced safety and protection with a dash of style.



SAFETY WITH STYLE

Options for flush and surface mounting

Powder - coated, matte finish - RAL9003

Insulated Busbar



As per IS 8623 Standards

Shrouded neutral bars to avoid accidental contact with live parts



EASE OF INSTALLATION

Reversible door for double door Distribution Boards to adapt to site conditions



More space for ease of wiring



PROTECTION FROM DAMAGE

CRCA sheet steel for extra durability

Plastic corners for corner protection



Cement spill protector - To protect DB interior from cement splashes during civil work



SPN DISTRIBUTION BOARDS

- As per IS 8623
- Available in 4, 6, 8, 12 & 16 way
- Ready to use DBs, complete with colour - coded wire set, 100A insulated bus bar, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill Protector, Cable ties, Blanking plates and Circuit identification label
- Choice of metal and glazed door
- With provision for DP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoings



SPN DISTRIBUTION BOARDS

Description	Modules		Double Door	MRP/Unit in ₹	Double Door - Glazed	MRP/Unit in ₹
	Incomer	Outgoing				
4-Way	2	2	PH104DDB	1600	PH104DDG	2090
6-Way	2	4	PH106DDB	1855	PH106DDG	2240
8-Way	2	6	PH108DDB	1975	PH108DDG	2440
12-Way	2	10	PH112DDB	2375	PH112DDG	2955
16-Way	2	14	PH116DDB	2975	PH116DDG	3655

TPN DISTRIBUTION BOARDS

- As per IS 8623
- Available in 4, 6, 8 & 12 way
- Ready to use DBs, complete with colour - coded wire set, 100A insulated bus bars, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill Protector, Cable ties, Blanking plates and Circuit identification label
- Choice of metal and glazed door
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoings



TPN DISTRIBUTION BOARDS

Description	Modules		Double Door	MRP/Unit in ₹	Double Door - Glazed	MRP/Unit in ₹
	Incomer	Outgoing				
4-Way	8	4+4+4	PH304DDB	3925	PH304DDG	5130
6-Way	8	6+6+6	PH306DDB	4895	PH306DDG	6355
8-Way	8	8+8+8	PH308DDB	5850	PH308DDG	7605
12-Way	8	12+12+12	PH312DDB	8715	PH312DDG	11645

HORIZONTAL PPI (PER PHASE ISOLATION) DBs

- As per IS 8623
- Available in 4, 6, 8 & 12 way
- Ready to use DBs, complete with colour - coded wire set, 100A insulated bus bars, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill Protector, Cable ties, Blanking plates and Circuit identification label
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoings



HORIZONTAL PPI (PER PHASE ISOLATION) DBs

Description	Modules			Double Door	MRP/Unit in ₹
	Incomer	Sub-Incomer	Outgoing		
4-Way	8	2+2+2	4+4+4	PHP304DDB	6495
6-Way	8	2+2+2	6+6+6	PHP306DDB	7775
8-Way	8	2+2+2	8+8+8	PHP308DDB	9275
12-Way	8	2+2+2	12+12+12	PHP312DDB	12645

PHASE SEGREGATED DBs

- As per IS 8623
- Available in 4, 6, 8 & 12 way
- Ready to use DBs, complete with colour - coded wire set, 100A insulated bus bars, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill Protector, Cable ties, Blanking plates and Circuit identification label
- With provision for FP MCB/Isolator as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing



Double Door

PHASE SEGREGATED DBs

Description	Modules			Double Door	MRP/Unit in ₹
	Incomer	Sub-Incomer	Outgoing		
4-Way	8	4+4+4	4+4+4	PHS304DDB	10325
6-Way	8	4+4+4	6+6+6	PHS306DDB	11655
8-Way	8	4+4+4	8+8+8	PHS308DDB	13015
12-Way	8	4+4+4	12+12+12	PHS312DDB	16425

PHASE SELECTOR DBs

- As per IS 8623
- Available in 4, 6, 8 & 12 way
- Provided with 63A Selector Switches
- Ready to use DBs, complete with colour - coded wire set, 100A insulated bus bars, Neutral bar/s with shroud/s, Earth bar/s, Cable ties, Blanking plates and Circuit identification label
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing



Double Door

PHASE SELECTOR DBs

Description	Modules		Double Door	MRP/Unit in ₹
	Incomer	Outgoing		
4-Way	8	4+4+4	PHC04DDB	13795
6-Way	8	6+6+6	PHC06DDB	14125
8-Way	8	8+8+8	PHC08DDB	14980
12-Way	8	12+12+12	PHC12DDB	16805

VTPN DBs WITH MODULAR INCOMER

- As per IS 8623
- Available in 4, 6, 8 & 12 way
- Ready to use DBs, complete with colour - coded wire set, Insulated vertical phase bus bars, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill Protector, Cable ties, Blanking plates and Circuit identification label
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP/TP MCBs as outgoing



Double Door

VTPN DBs WITH MODULAR INCOMER

Description	Modules		Double Door	MRP/Unit in ₹
	Incomer	Outgoing		
4-Way	8	4+4+4	PHV304DDB	9495
6-Way	8	6+6+6	PHV306DDB	10910
8-Way	8	8+8+8	PHV308DDB	12660
12-Way	8	12+12+12	PHV312DDB	16750

VTPN DBs WITH MCCB INCOMER

- As per IS 8623
- Available in 4, 6, 8 & 12 way
- Ready to use DBs, complete with colour - coded wire set, Insulated vertical phase bus bars, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill Protector, Cable ties, Blanking plates and Circuit identification label
- With provision for MCCB as incomer and SP/TP MCBs as outgoing
- Suitable for 3P/4P MCCB as incomer upto 125A - DY125U



Double Door

VTPN DBs WITH MCCB INCOMER

Description	Modules		Double Door	MRP/Unit in ₹
	Incomer	Outgoing		
4-Way	MCCB	4+4+4	PHV304DYM	11330
6-Way	MCCB	6+6+6	PHV306DYM	13255
8-Way	MCCB	8+8+8	PHV308DYM	14400
12-Way	MCCB	12+12+12	PHV312DYM	18620

ENCLOSURES

- As per IS 8623
- Available in 2, 3, 4 & 6 way
- With provision to mount MCB/Isolator/RCCB/RCBO or other modular devices



Single Door

ENCLOSURES

Description	Modules	Single Door	MRP/Unit in ₹
2-Way	2	PHE02DB	470
3-Way	3	PHE03DB	525
4-Way	4	PHE04DB	525
6-Way	6	PHE06DB	790

PLUG & SOCKET DBs

- As per IS 8623
- SPN 10A & 20A; TPN - 32A
- With provision to mount MCBs/RCCBs



Single Door

PLUG & SOCKET DBs

Description	No. of Pins	Modules	Single Door	MRP/Unit in ₹
10A, 2 Pin+SC^	P+N	1	PMP110DB	1195
20A, 2 Pin+SC^	P+N	1	PMP120DB	1270
20A, 2 Pin+SC^	P+N	2	PMP220DB	1390
32A, 3 Pin+SC^	3P	3	PMP332DB	3290

SC^ - Scrapping Earth

METAL PLUG & SOCKET

- Designed to ensure safe functioning of electrical equipment and the user safety
- Plugs & Sockets find its applications at air conditioners, welding machines, industrial equipment, etc., are made of non corrosive aluminum alloy
- Conforms to IS 8804



Metal Plug

Metal Socket

METAL PLUG & SOCKET

Description	No. of Pins	Cat No	MRP/Unit in ₹
Metal Plug			
10A, 2 Pin+SC^	P+N	MPS210P	185
20A, 2 Pin+SC^	P+N	MPS220P	195
20A, 3 Pin+SC^	3P	MPS320P	255
32A, 3 Pin+SC^	3P	MPS332P	490
Metal Socket			
10A, 2 Pin+SC^	P+N	MPS210S	190
20A, 2 Pin+SC^	P+N	MPS220S	210
20A, 3 Pin+SC^	3P	MPS320S	290
32A, 3 Pin+SC^	3P	MPS332S	490

SC^ - Scrapping Earth

Note: Standard Pack Quantity for Metal Plug & Socket - 20 Nos.



Single Door



Double Door

HIGHLIGHTS

- Ready to use DBs, complete with colour - coded wire set, 100A bus bar, Neutral bar/s & Earth bar/s
- Superior quality powder coating for better looks and longer life
- DB is suitable for surface or flush mounting



Single Door



Double Door



Double Door

SINGLE PHASE NEUTRAL (SPN) DBs

Description	Modules		Single Door	MRP/Unit in ₹	Double Door	MRP/Unit in ₹
	Incomer	Outgoing				
4 way	2	2	BH104SDB	910	BH104DDB	1465
6 way	2	4	BH106SDB	1000	BH106DDB	1640
8 way	2	6	BH108SDB	1130	BH108DDB	1800
12 way	2	10	BH112SDB	1500	BH112DDB	2200
16 way	2	14	BH116SDB	1870	BH116DDB	2710

THREE PHASE NEUTRAL (TPN) DBs

Description	Modules		Single Door	MRP/Unit in ₹	Double Door	MRP/Unit in ₹
	Incomer	Outgoing				
4 way	8	4+4+4	BH304SDB	2815	BH304DDB	3680
6 way	8	6+6+6	BH306SDB	3480	BH306DDB	4470
8 way	8	8+8+8	BH308SDB	4025	BH308DDB	5420
12 way	8	12+12+12	BH312SDB	5660	BH312DDB	7735

PHASE SELECTOR DBs

Description	Modules		Double Door	MRP/Unit in ₹
	Incomer	Outgoing		
4 way	8	4+4+4	BHC04DDB	11460
6 way	8	6+6+6	BHC06DDB	12210

Provided with 40A selector switches

englaze

#SWITCHUP

When you have stepped beyond the ordinary, every step you take elevates you. Every step is a switch up. Flawlessly flat and majestically minimal, englaze would silently stay a testament to your taste, the life you lived and the world you built around you.

**SWITCH UP TO THE EXTRAORDINARY.
SWITCH UP TO ENGLAZE.**





ANTI-BACTERIAL

No need to keep disinfecting your switches. No one can tarnish the silver infused Englaze range that stays anti-bacterial forever.



FABULOUSLY FLAT LOOK

Englaze is designed to look flat from every angle. With super thin plates and carefully crafted switches, these don't bulge or clutter, they just stay pretty.



SMART CONNECTORS

Don't go searching for adapters now, plug in everything directly with smart connectors. HDMI, VGA, RCA, USB for data & charging and just about everything you need.



REAL MATERIAL PLATES

Real Material Plates are meticulously crafted from authentic, high-quality materials such as genuine wood, metal alloys and premium glass. Choose from various finishes, textures, and colours to create a truly personalized statement.



BEAUTIFULLY BRIDGELESS

Our design philosophy allows no room for gaps. Every element seamlessly flows into the next like a well written poem.



SAFETY SHUTTERS

Go ahead and let your children be mischievous. Every socket is carefully designed with safety shutters to keep them safe.



INDICATIVE REGULATORS

Don't worry about fumbling with the regulators anymore, these beauties come with indicators that tell you exactly what speed its on. Plus, its so pretty!



TESTED FOR INTERNATIONAL STANDARD

Your safety is our top priority. englaze products undergo rigorous testing to meet safety standards, ensuring your peace of mind while using them in your home or workspace.



SOFT FEEL SWITCHES

Welcome home the silent beauty. Nothing can disturb you, not even a toggling of switches with englaze soft feel switches.



QUICK CHARGING

No need to wait any longer to charge your devices. With USB type A and USB type C charging solutions you can charge your devices faster and safer.



TOUCH THE FUTURE

No need to get out of the middle of the great conversations to turn the devices on/off. Now control your devices with IR remote control and feather Touch interface with a luxurious experience.



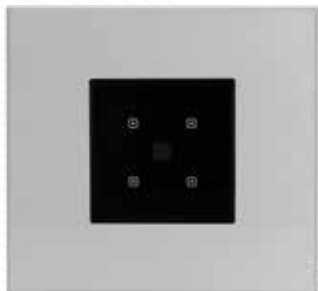
FLAT DESIGN FAN REGULATOR

Flat Fan regulator design concept to compliment the flat design philosophy of englaze range.



KEY FEATURES: TOUCH SWITCHES

- Modular type Touch Switches range suitable for all englaze plates
- Hassle free installation – No need to change any wiring & mounting boxes
- Easy to locate in dark
- Highly reliable and Durable
- Conforms to international standard IEC-60669 Part 1 & 2
- Range covers Switching, Controls & Hospitality functions
- Black Glass and Mountain grey options to suit home décor



KEY FEATURES: IR REMOTE

- Sit and operate-32 Switch control
- Set your favourite scene-8 different scenes in a click
- Avoid unwanted trigger-Child Lock
- Peace of Mind-Memory function on power resume
- Master Switch-Master On/Off in a click



MODULAR IR TOUCH SWITCHES



CB980715M09

CB980645M02

CB980695M07



CB98031FK05

CB98038HK12

CB98037HK11

Mountain Grey



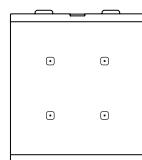
Black Glass



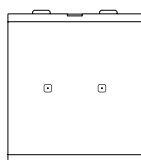
Description	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
Touch IR Switch 1 Channel 2M	1	CB98065SM03	5800	CB98029SK03	6000
Touch IR Switch 2 Channel 2M	1	CB98064SM02	6200	CB98028SK02	6400
Touch IR Switch 4 Channel 2M	1	CB98063SM01	6800	CB98027SK01	7000
Touch IR Switch 2 way 2M	1	CB98066SM04	6200	CB98030SK04	6400
Touch IR Fan Regulator 8-Step 2M	1	CB98067FM05	7200	CB98031FK05	7400
Touch IR Light Dimmer 2M*	1	CB98068DM06	7500	CB98032DK06	7700
Touch IR Switch 20 A 2M	1	CB98069SM07	6500	CB98033SK07	6700
Touch Bell Push 2M	1	CB98070BM08	5800	CB98034BK08	6000
Touch IR 1 Bell P + 3Ch Switch 2M	1	CB98071SM09	7000	CB98035SK09	7200
Touch IR Curtain Control 2M	1	CB98072SM10	6500	CB98036SK10	6700
Touch IR DND/MMR Inside Unit 2M	1	CB98073HM11	6000	CB98037HK11	6200
Touch IR DND/MMR Outside Unit 2M	1	CB98074HM12	6500	CB98038HK12	6700
IR Remote Control - Black	1	CB98T02RM13	1400		

COMPLETE RANGE

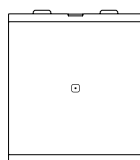
I SWITCHES



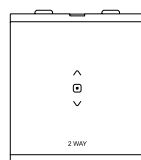
SWITCH: 4CH



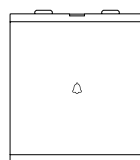
SWITCH: 2CH



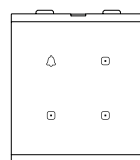
SWITCH: 1CH



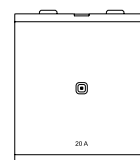
SWITCH: 2-WAY



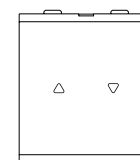
SWITCH: BELL PUSH



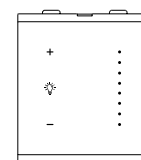
SWITCH: 1BP+3CH



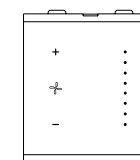
SWITCH: 20 A



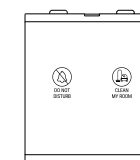
CURTAIN CONTROL



LIGHT DIMMER



FAN REGULATOR


DND-MMR:
OUT-SIDE ROOM UNIT

DND-MMR:
IN-SIDE ROOM UNIT

I CONTROLS

I HOSPITALITY

*Suitable for Incandescent and Halogen light only

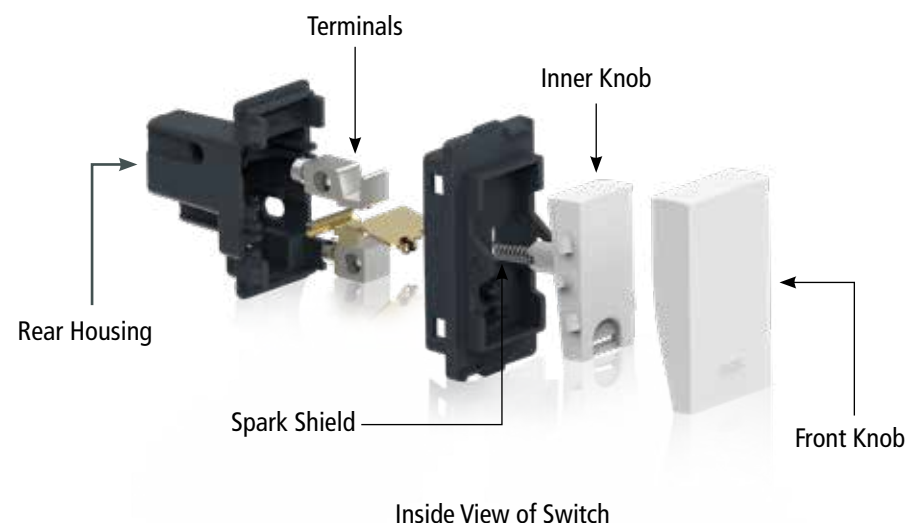
SOFT FEEL SWITCHES - 1 MODULE WITH ISI



Description	Std Pack	Snow White		Mountain Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
Switch 10 A 1-way 1M	20	CB92601SW10	205	CB92601SM10	234
Switch 10A 1way ind 1M	20	CB92801SW10	372	CB92801SM10	468
Switch 10 A 2-way 1M	20	CB92701SW10	355	CB92701SM10	442
Switch 16 A 1-way 1M	20	CB92601SW16	396	CB92601SM16	494
Switch 16A 1way ind 1M	20	CB92801SW16	475	CB92801SM16	595
Switch 16 A 2-way 1M	20	CB92701SW16	475	CB92701SM16	595
Switch 25 A 1-way 1M	20	CB92601SW25	520	CB92601SM25	646
Switch 25 A 1way ind 1M	20	CB92801SW25	629	CB92801SM25	786

KEY FEATURES

- Designed For Silent Operation
- Soft Feel Switches
- Flat Aesthetic
- Robust Design For Longer Life
- Double rocker system for smooth operations
- 4 part design to reduce switching sound
- Heavy Duty Terminals
- Available in Snow White and Mountain Grey Colour



Inside View of Switch

- All Switches and bell push are ISI marked and conforms to IS 3854: 1997
- "AX" rating for switches are suitable to fluorescent lights also.



CB92102SW10
CB92102SW16
CB92102SW20



CB92402SW20
CB92402SW32
CB92302SW10
CB92302SW16
CB92302SW20



CB92102SM10
CB92102SM16
CB92102SM20



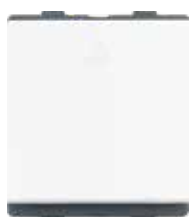
CB92402SM20
CB92402SM32
CB92302SM10
CB92302SM16
CB92302SM20



CB92101BW10



CB92301BW10



CB92102BW10



CB92302BW10



CB92101BM10



CB92301BM10



CB92102BM10



CB92302BM10



CB92102MW25



CB92102MM25

SWITCHES - 2 MODULE (MEGA SWITCHES) WITH ISI

Description	Snow White			Mountain Grey	
	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
Switch 20A DP ind lamp 2M	10	CB92402SW20	769	CB92402SM20	963
Switch 32A DP ind lamp 2M	10	CB92402SW32	920	CB92402SM32	1150
Switch 10 A 1-way 2M	10	CB92102SW10	318	CB92102SM10	398
Switch 10A 1-way ind 2M	10	CB92302SW10	426	CB92302SM10	536
Switch 10A 2 way 2M	10	CB92202SW10	404	CB92202SM10	508
Switch 16 A 1-way 2M	10	CB92102SW16	475	CB92102SM16	593
Switch 16A 1-way ind 2M	10	CB92302SW16	572	CB92302SM16	715
Switch 16A 2 way 2M	10	CB92202SW16	572	CB92202SM16	715
Switch 20 A 1-way 2M	10	CB92102SW20	592	CB92102SM20	740
Switch 20A 1-way with ind 2M	10	CB92302SW20	715	CB92302SM20	895
Switch 20A 2 way 2M	10	CB92202SW20	715	CB92202SM20	895

BELL PUSH WITH ISI

Description	Snow White			Mountain Grey	
	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
Soft Feel Bell Push 10 A 1-way 1M	20	CB92601BW10	370	CB92601BM10	464
Soft Feel Bell Push 10A 1way ind 1M	20	CB92801BW10	428	CB92801BM10	533
10A bell push 2M	10	CB92102BW10	458	CB92102BM10	570
10A bell push with ind 2M	10	CB92302BW10	523	CB92302BM10	656

MOTOR STARTER

Description	Snow White			Mountain Grey	
	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
25 A Motor starter 2M	10	CB92102MW25	1391	CB92102MM25	1739

- All Switches and bell push are ISI marked and conforms to IS 3854: 1997
- "AX" rating for switches are suitable to fluorescent lights also.



POWER SOCKETS WITH ISI



- 6A 3 Pin , 6A/16A 3 Pin Combi Sockets conforms to latest IS Standard of IS 1293:2019.
- All sockets are equipped with safety shutters.
- 6A 3 Pin Socket is suitable for 2 Pin Plug top also.

FAN REGULATORS & DIMMERS



- 5 step fan regulator conforms to IS 11037: 1984 and comes with "flag indicator".
- All fan regulators are with 360 degree rotation.
- Dimmers only support incandescent and halogen load.

Description	Snow White			Mountain Grey	
	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
3 Pin Socket 6A with ISI	10	CB92602CW06	316	CB92602CM06	396
6A/16A 3pin combi Socket with ISI 2M	10	CB92302CW16	546	CB92302CM16	651
6A/16A 3pin combi Socket with ISI 3M	5	CB92303CW16	660	CB92303CM16	792

Description	Snow White			Mountain Grey	
	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
Dimmer 400 W 1M	10	CB92101DW04	1045	CB92101DM04	1306
Dimmer 1000 W 2M	5	CB92102DW10	1677	CB92102DM10	2096
4-Step fan regulator 1M	10	CB92101RW01	952	CB92101RM01	1191
5-Step fan regulator 2M	5	CB92102RW02	1235	CB92102RM02	1544
5-Step fan regulator 2M FLAT	0	CB92202RW02	1142	CB92202RM02	1428



DATA SOCKETS

Description	Snow White			Mountain Grey	
	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
RJ 11 Shuttered 1M	20	CB92101TW11	312	CB92101TM11	391
Twin RJ 11, with shutters 1M	20	CB92201TW11	426	CB92201TM11	533
RJ 45 Cat 6 shuttered 1M	20	CB92201TW45	1111	CB92201TM45	1389
TV Socket 1M	20	CB92101TW00	305	CB92101TM00	380
RCA connector 1M	20	CB92201TW00	3703	CB92201TM00	4426
HDMI connector 1M	20	CB92301TW00	3029	CB92301TM00	3621
USB Connector 1M	20	CB92401TW00	2582	CB92401TM00	3085
VGA Connector 1M	20	CB92501TW00	2804	CB92501TM00	3353



ACCESSORIES

Description	Snow White			Mountain Grey	
	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
Buzzer 2M	5	CB92102AW00	717	CB92102AM00	872
Cable Outlet 1M	20	CB92101AW00	243	CB92101AM00	296
Blank off unit 1M	20	CB92201AW00	64	CB92201AM00	77
LED Foot Light 2M	5	CB92102LW00	1441	CB92102LM00	1759
USB Charger - 2 A 1M	10	CB92101AW02	1984	CB92101AM02	2762
USB Quick Charger 18W 1M	10	CB92101AW18	2550	CB92101AM18	2850
USB PD Charger 18W 1M	10	CB92201AW18	3350	CB92201AM18	3650
LED Phase indicator 1M - Full Glow	20	CB92401AW00	403	Same as White	
Curtain Control Switch 2M 10A	1 Set	CB92502AW10	739	CB92502AM10	1129
Electronic ding-dong bell 2M	10	CB92402AW00	1190	CB92402AM00	1486
Movement Sensor 1M	6	CB92701AW00	7305	CB92701AM00	9131



HOSPITALITY RANGE

Description	Snow White			Mountain Grey	
	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
Shaver socket 4M	1	CB92104HW10	6157	CB92104HM10	7694
Mech key tag switch 20A 2M	5	CB92202HW20	1233	CB92202HM20	1542
Spare key for Mech key tag	10	CB92302HW00	121	CB92302HM00	135
Mech key tag switch 32A 2M	5	CB92302HW32	1395	CB92302HM32	1745
Electronic key tag 20A 3M	2	CB92403HW20	5501	CB92403HM20	6875
DND-MMR inside room unit 2M	10	CB92502HW10	1272	CB92502HM10	1591
DND-MMR outside room unit 2M	10	CB92602HW10	903	CB92602HM10	1128
Volume controller 2M	10	CB92702HW00	1395	CB92702HM00	1745
Bell indicator with Reset 1M	6	CB92801HW00	1469	CB92801HM00	1836
Call bell station with ind 2M	10	CB92902HW00	2052	CB92902HM00	2566

MINI MCBs WITH LED INDICATOR



Description	Std Pack	Snow White		Mountain Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
6A SP Mini MCB 3 kA	10	CB92101KW06	605	CB92101KM06	705
10A SP Mini MCB 3 kA	10	CB92101KW10	605	CB92101KM10	705
16A SP Mini MCB 3 kA	10	CB92101KW16	605	CB92101KM16	705
20A SP Mini MCB 3 kA	10	CB92101KW20	605	CB92101KM20	705
25A SP Mini MCB 3 kA	10	CB92101KW25	605	CB92101KM25	705
32A SP Mini MCB 3 kA	10	CB92101KW32	605	CB92101KM32	705
25A DP Mini MCB 3 kA	5	CB92202KW25	1216	CB92202KM25	1407
32A DP Mini MCB 3 kA	5	CB92202KW32	1216	CB92202KM32	1407

- USB charger conforms to IS 13252(Part1)
- Electronic ding-dong bell is suitable for small rooms/cabins etc.
- Movement Sensor is for indoor applications only.
- Shaver socket is mono block design and supplied with 4 module cover plate.
- Mechanical & electronic key tags are modular type.



Mocha Wood



Beige Wood



Oak Wood



Shadow Black



Metallic Gold



Brush Silver

All wooden, glass and metal plates are supplied without grid frames.
Customers need to order the grid plates separately.
Being Natural Wood, color and texture may have variations in supplied wooden plates

WOOD PLATES WITHOUT GRID FRAMES

Description	Std Pack	Mocha Wood		Beige Wood		Oak Wood	
		Cat No	MRP in ₹	Cat No	MRP in ₹	Cat No	MRP in ₹
1 module Mocha Wood plate	1/10	CB92101FM04	1960	CB92101FB04	1960	CB92101FW04	1960
2 module Mocha Wood plate	1/10	CB92102FM04	2171	CB92102FB04	2171	CB92102FW04	2171
3 module Mocha Wood plate	1/10	CB92103FM04	2578	CB92103FB04	2578	CB92103FW04	2578
4 module Mocha Wood plate	1/10	CB92104FM04	2770	CB92104FB04	2770	CB92104FW04	2770
6 module Mocha Wood plate	1/10	CB92106FM04	2949	CB92106FB04	2949	CB92106FW04	2949
8 M Mocha Wood plate Horztl	1/10	CB92108FM04	3219	CB92108FB04	3219	CB92108FW04	3219
8 M Mocha Wood plate Square	1/5	CB92208FM04	3641	CB92208FB04	3641	CB92208FW04	3641
12 module Mocha Wood plate	1/5	CB92112FM04	5444	CB92112FB04	5444	CB92112FW04	5444
16 M Mocha Wood plate	1/4	CB92116FM04	6153	CB92116FB04	6153	CB92116FW04	6153
18 M Mocha Wood plate	1/5	CB92118FM04	6705	CB92118FB04	6705	CB92118FW04	6705

METAL (ALUMINIUM) PLATES WITHOUT GRID FRAMES

Description	Std Pack	Shadow Black		Metallic Gold		Brush Silver	
		Cat No	MRP in ₹	Cat No	MRP in ₹	Cat No	MRP in ₹
1 module Metal plate S Black	1/10	CB92101FB03	2208	CB92101FG03	2208	CB92101FS03	2208
2 module Metal plate S Black	1/10	CB92102FB03	2415	CB92102FG03	2415	CB92102FS03	2415
3 module Metal plate S Black	1/10	CB92103FB03	2842	CB92103FG03	2842	CB92103FS03	2842
4 module Metal plate S Black	1/10	CB92104FB03	3169	CB92104FG03	3169	CB92104FS03	3169
6 module Metal plate S Black	1/10	CB92106FB03	3903	CB92106FG03	3903	CB92106FS03	3903
8 M Metal plate Horztl S Black	1/10	CB92108FB03	4646	CB92108FG03	4646	CB92108FS03	4646
8 M Metal plate Square S Black	1/5	CB92208FB03	5265	CB92208FG03	5265	CB92208FS03	5265
12 module Metal plate S Black	1/5	CB92112FB03	7907	CB92112FG03	7907	CB92112FS03	7907
16 M Metal plate S Black	1/4	CB92116FB03	10107	CB92116FG03	10107	CB92116FS03	10107
18 M Metal plate S Black	1/5	CB92118FB03	12957	CB92118FG03	12957	CB92118FS03	12957



GLASS PLATES WITHOUT GRID FRAMES



Icy White



Champagne Gold



Silky Silver

Description	Std Pack	Icy White		Champagne Gold		Silky Silver	
		Cat No	MRP in ₹	Cat No	MRP in ₹	Cat No	MRP in ₹
1 module Glass plate I white	1/10	CB92101FW02	1338	CB92101FC02	1338	CB92101FS02	1338
2 module Glass plate I white	1/10	CB92102FW02	1515	CB92102FC02	1515	CB92102FS02	1515
3 module Glass plate I white	1/10	CB92103FW02	1630	CB92103FC02	1630	CB92103FS02	1630
4 module Glass plate I white	1/10	CB92104FW02	2112	CB92104FC02	2112	CB92104FS02	2112
6 module Glass plate I white	1/10	CB92106FW02	2481	CB92106FC02	2481	CB92106FS02	2481
8 M Glass plate Horztl I white	1/10	CB92108FW02	2812	CB92108FC02	2812	CB92108FS02	2812
8 M Glass plate Square I white	1/5	CB92208FW02	2812	CB92208FC02	2812	CB92208FS02	2812
12 module Glass plate I white	1/5	CB92112FW02	4374	CB92112FC02	4374	CB92112FS02	4374
16 M Glass plate I white	1/4	CB92116FW02	4501	CB92116FC02	4501	CB92116FS02	4501
18 M Glass plate I white	1/5	CB92118FW02	4881	CB92118FC02	4881	CB92118FS02	4881

GLASS PLATES WITHOUT GRID FRAMES



Midnight Black



Oceanic Green



Matte Mirror

Description	Std Pack	Midnight Black		New Oceanic Green		New Matte Mirror	
		Cat No	MRP in ₹	Cat No	MRP in ₹	Cat No	MRP in ₹
1 module Glass plate M Black	1/10	CB92101FB02	1338	CB92101FG02	1338	CB92101FM02	1338
2 module Glass plate M Black	1/10	CB92102FB02	1515	CB92102FG02	1515	CB92102FM02	1515
3 module Glass plate M Black	1/10	CB92103FB02	1630	CB92103FG02	1630	CB92103FM02	1630
4 module Glass plate M Black	1/10	CB92104FB02	2112	CB92104FG02	2112	CB92104FM02	2112
6 module Glass plate M Black	1/10	CB92106FB02	2481	CB92106FG02	2481	CB92106FM02	2481
8M Glass plate Horztl M Black	1/10	CB92108FB02	2812	CB92108FG02	2812	CB92108FM02	2812
8M Glass plate Square M Black	1/5	CB92208FB02	2812	CB92208FG02	2812	CB92208FM02	2812
12 module Glass plate M Black	1/5	CB92112FB02	4374	CB92112FG02	4374	CB92112FM02	4374
16 M Glass plate M Black	1/4	CB92116FB02	4501	CB92116FG02	4501	CB92116FM02	4501
18 M Glass plate M Black	1/5	CB92118FB02	4881	CB92118FG02	4881	CB92118FM02	4881

All wooden, glass and metal plates are supplied without grid frames. Customers need to order the grid plates separately.



COVER PLATES WITH GRID FRAMES



Snow White



Mountain Grey



Chamagne Gold



Moonlight Silver

Description	Std Pack	Snow White		Mountain Grey		Champagne Gold		Moonlight Silver	
		Cat No	MRP in ₹	Cat No	MRP in ₹	Cat No	MRP in ₹	Cat No	MRP in ₹
1 module plate	10	CB92101FW00	216	CB92101FM01	326	CB92101FC01	326	CB92101FS01	326
2 module plate	10	CB92102FW00	216	CB92102FM01	326	CB92102FC01	326	CB92102FS01	326
3 module plate	10	CB92103FW00	251	CB92103FM01	378	CB92103FC01	378	CB92103FS01	378
4 module plate	10	CB92104FW00	289	CB92104FM01	434	CB92104FC01	434	CB92104FS01	434
6 module plate	5	CB92106FW00	448	CB92106FM01	671	CB92106FC01	671	CB92106FS01	671
8 M plate Horztl	4	CB92108FW00	530	CB92108FM01	797	CB92108FC01	797	CB92108FS01	797
8 M plate Square	5	CB92208FW00	530	CB92208FM01	797	CB92208FC01	797	CB92208FS01	797
12 module plate	5	CB92112FW00	715	CB92112FM01	1073	CB92112FC01	1073	CB92112FS01	1073
16 module plate	4	CB92116FW00	888	CB92116FM01	1275	CB92116FC01	1275	CB92116FS01	1275
18 module plate	5	CB92118FW00	1002	CB92118FM01	1436	CB92118FC01	1436	CB92118FS01	1436

All white and colour plates are supplied with grid frames.

GRID FRAMES FOR ALL MATERIAL PLATES (GLASS, METAL, WOOD)



CB92102GB00



CB92103GB00



CB92106GB00



CB92108GB00



CB92112GB00

Description	Std Pack	Cat No	MRP in ₹
1/2 module grid frame	10	CB92102GB00	84
3 module grid frame	10	CB92103GB00	106
4 module grid frame	10	CB92104GB00	126
6 module grid frame	5	CB92106GB00	196
8 module grid frame Hrztl	4	CB92108GB00	232
8 module grid frame Square	5	CB92208GB00	232
12 module grid frame	5	CB92112GB00	317
16 module grid frame	4	CB92116GB00	411
18 module grid frame	5	CB92118GB00	458

For Metal Boxes refer pg. no. 37

entice

EVERY SHADE OF YOU

entice and its vibrant palette is made for every shade of you. Every colour is a character, a trait we saw in you. When it adorns your walls it doesn't make a style statement, it makes your statement. So go ahead, find a shade that reflects you.



THE SHADE OF SUCCESS

360-degree /
full rotation of
fan regulator.

Modular
USB
charger.

Complete
connection
solution for
TV, computers,
projectors etc.

Modular MCB
with LED
Indicators.

ISI & CE
certified

Glass Plates &
Marble Finish
available

Strong,
durable
build.

Safety
shutters.

Sleek,
ribless
design.

Vertical &
horizontal
mounting
plates.

Tested for over
3 Lakh clicks.

HDMI, VGA,
USB & RCA
communication
connectors.

Feather Touch
Switches with
Remote

High
gloss
mirror
finish.

KEY FEATURES : TOUCH SWITCHES

- Modular type Touch Switches range suitable for all entice plates
- Hassle free installation-No need to change any wiring & mounting boxes
- Night Locator-Easy to locate in dark
- Highly Reliable & Durable
- Conforms to international standard IEC-60669 Part 1 & 2
- Range covers Switching & Controls function
- Black & Charcoal Grey options available

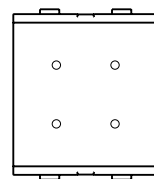


KEY FEATURES: IR REMOTE

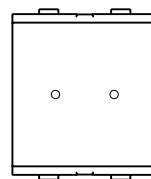
- Sit and operate-32 Switch control
- Set your favourite scene-8 different scenes in a click
- Master Switch-Master On/Off in a click



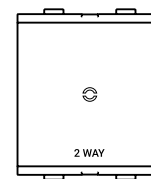
SWITCHES



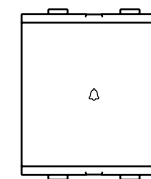
SWITCH: 4CH



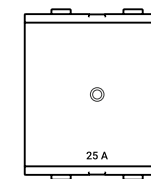
SWITCH: 2CH



SWITCH: 2-WAY

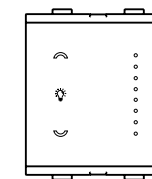


SWITCH: BELL PUSH

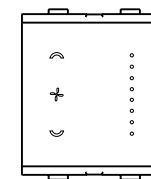


SWITCH: 25 A

CONTROLS



LIGHT DIMMER



FAN REGULATOR

MODULAR IR TOUCH SWITCHES

Charcoal Grey



Black



Description	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
Touch IR Switch 2 Channel 2M	1	CB91602SC02	4650	CB91602SB02	4650
Touch IR Switch 4 Channel 2M	1	CB91602SC04	5100	CB91602SB04	5100
Touch IR Switch 2 way 2M	1	CB91602SC00	4960	CB91602SB00	4960
Touch Bell Push 2M	1	CB91602BC00	4640	CB91602BB00	4640
Touch IR Switch 25 A 2M	1	CB91602SC20	4875	CB91602SB20	4875
Touch IR Fan Regulator 8-Step 2M	1	CB91602FC00	5400	CB91602RB00	5400
Touch IR Universal Light Dimmer 2M*	1	CB91602DC00	6000	CB91602DB00	6000
IR Remote Control - Black	1	CB98T02RM13	1400		

*For LED lights, suitable with phase-cut dimmable drivers



CB91101SW10
CB91101SW16
CB91101SW25
CB91301SW10
CB91301SW16
CB91301SW25
CB91201SW10
CB91201SW16
CB91402SW20
CB91402SW32



CB91101SG10
CB91101SG16
CB91101SG25
CB91301SG10
CB91301SG16
CB91301SG25
CB91201SG10
CB91201SG16
CB91402SG20
CB91402SG32



CB91101BW10
CB91301BW10
CB91101BG10
CB91301BG10



CB91102MW25
CB91102MG25

- 3 Lakh switching operation.
- Spark Shield, Captive screws & Tunnel Terminals.
- All Switches and bell push are ISI marked and conforms to IS 3854: 1997
- "AX" rating for switches are suitable to fluorescent lights also.

SWITCHES WITH ISI

Description	Std Pack	White		Charcoal Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
switch 10 A 1-way 1M	20	CB91101SW10	116	CB91101SG10	153
switch 10A 1-way with indicator 1M	20	CB91301SW10	254	CB91301SG10	356
switch 10A 2 way 1M	20	CB91201SW10	242	CB91201SG10	337
switch 16 A 1-way 1M	20	CB91101SW16	271	CB91101SG16	376
switch 16A 1-way with indicator 1M	20	CB91301SW16	323	CB91301SG16	457
switch 16A 2 way 1M	20	CB91201SW16	339	CB91201SG16	457
switch 25A 1-way 1M	20	CB91101SW25	383	CB91402SG20	768
switch 25A 1-way with indicator 1M	20	CB91301SW25	464	CB91402SG32	921
switch 20A DP with indicator lamp 2M	10	CB91402SW20	584	CB91101SG25	437
switch 32A DP with Indicator lamp 2M	10	CB91402SW32	671	CB91301SG25	503

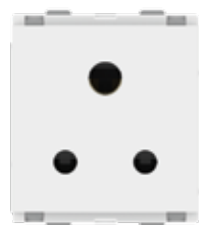
BELL PUSH WITH ISI

Description	Std Pack	White		Charcoal Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
Bell Push 10A 1M	20	CB91101BW10	269	CB91101BG10	353
bell push 10A with indicator 1M	20	CB91301BW10	309	CB91301BG10	407
bell push 10A with indicator 2M	10	CB91302BW10	400	CB91302BG10	525

MOTOR STARTER

Description	Std Pack	White		Charcoal Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
Motor starter switch 25A 2M	10	CB91102MW25	1256	CB91102MG25	1679

POWER SOCKETS WITH ISI



CB91602CW06



CB91302CW16



CB91602CG06



CB91302CG16

- 6A 3 Pin, 6A/16A 3 Pin Combi Sockets conforms to latest IS Standard of IS 1293:2019.
- All sockets are equipped with safety shutters.
- 6A 3 Pin Socket is suitable for 2 Pin Plug top also.

FAN REGULATORS & DIMMERS



CB91101DW04



CB91102DW10



CB91101RW01



CB91102RW02

Description	Std Pack	White		Charcoal Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
3 Pin Socket 6A with ISI 2 M	10	CB91602CW06	186	CB91602CG06	266
socket 6A/16A combined with ISI 2M	10	CB91302CW16	415	CB91302CG16	583

Description	Std Pack	White		Charcoal Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
Dimmer 400 W 1M	10	CB91101DW04	872	CB91101DG04	1238
Dimmer 1000W 2M	5	CB91102DW10	1397	CB91102DG10	1988
fan regulator 4-Step 1M	10	CB91101RW01	660	CB91101RG01	946
fan regulator 5-Step 2M	5	CB91102RW02	912	CB91102RG02	1307

- 5 step fan regulator conforms to IS 11037: 1984
- All fan regulators are with 360 degree rotation.
- Dimmers only support incandescent and halogen load.

DATA SOCKETS



Standard Pack		White		Charcoal Grey	
Description	White	Cat No	MRP in ₹	Cat No	MRP in ₹
RJ 11 1M	20	CB91101TW11	255	CB91101TG11	377
Twin RJ 11 1M	20	CB91201TW11	356	CB91201TG11	512
RJ 45 Cat 6 1M	20	CB91201TW45	926	CB91201TG45	1331
TV Socket 1M	20	CB91101TW00	255	CB91101TG00	362
RCA Connector 1M	20	CB91201TW00	3087	CB91201TG00	4248
HDMI Connector 1M	20	CB91301TW00	2525	CB91301TG00	3474
USB Connector 1M	20	CB91401TW00	2151	CB91401TG00	2961
VGA Connector 1M	20	CB91501TW00	2338	CB91501TG00	3218

ACCESSORIES



		White		Charcoal Grey	
Description	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
Buzzer 2M	5	CB91102AW00	608	CB91102AG00	875
Cable Outlet 1M	"White 20 Grey 15"	CB91101AW00	206	CB91101AG00	296
Blank off unit 1M	20	CB91201AW00	54	CB91201AG00	75
LED Foot Light 2M	5	CB91102LW00	1225	CB91102LG00	1762
USB Charger 2000 mA 1M	10	CB91101AW02	1639	CB91101AG02	2449
USB Type A Quick Charger 18W 1M	10	CB91101AW18	2150	CB91101AG18	2495
USB Type C PD Charger 18W 1M	10	CB91201AW18	2950	CB91201AG18	3350
LED Phase indicator- full glow 1M	20	CB91401AW00	318	Same as White	
Electronic Ding Dong Bell 2M	10	CB91402AW00	1058	CB91402AG00	1404

- USB charger conforms to IS 13252(Part1),
- Electronic ding-dong bell is suitable for small rooms/cabins etc.



Mechanical Key Tag are modular type and supplied without any plates.

FEATURES

- Mini MCBs with LED indicator
- Range available in Single & Double pole
- Ratings – 6A, 10A, 16A, 20A, 25A & 32A with C Curve
- Conforms to IS/IEC 60898 – part 1
- Breaking capacity – 3 kA
- Trip free mechanism
- No Line load biased
- Suitable for use as isolator
- Available in White & Charcoal Grey colors
- IP20 protection
- RoHS Compliant



HOSPITALITY RANGE

Description	Std Pack	White		Charcoal Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
Mech Key Tag 20A 2M	5	CB91202HW20	912	CB91202HG20	1203
Mech Key Tag 32A 2M	5	CB91302HW32	1035	CB91302HG32	1365
Spare key for Mech key tag	10	CB91302HW00	96	CB91302HG00	108
DND MMR inside room unit 2M	10	CB91502HW10	714	CB91502HG10	1043
DND MMR outside room unit 2M	10	CB91602HW10	761	Same as White	
Bell indicator with Reset 1M	10	CB91801HW00	1304	CB91801HG00	1723
Volume Controller 2M	10	CB91702HW00	1265	CB91702HG00	1596

MINI MCBs WITH LED INDICATOR

Description	Std Pack	White		Charcoal Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
6A SP Mini MCB 3 kA	10	CB91101KW06	532	CB91101KG06	662
10A SP Mini MCB 3 kA	10	CB91101KW10	532	CB91101KG10	662
16A SP Mini MCB 3 kA	10	CB91101KW16	532	CB91101KG16	662
20A SP Mini MCB 3 kA	10	CB91101KW20	532	CB91101KG20	662
25A SP Mini MCB 3 kA	10	CB91101KW25	532	CB91101KG25	662
32A SP Mini MCB 3 kA	10	CB91101KW32	532	CB91101KG32	662
25A DP Mini MCB 3 kA	5	CB91202KW25	1058	CB91202KG25	1307
32A DP Mini MCB 3 kA	5	CB91202KW32	1058	CB91202KG32	1307

WHITES



The serenity of the white classics are perfect for those who seek understated elegance.



VIVID



Gold Rush



Eco Grey

Handpicked artistic colours that will shine through, as a display of your fine taste.



Charcoal Grey



Ice Silver



Bottle Green



Black Beauty

VIBRANT



Firestorm Orange

Rare & full of life, the vibrant series is full of bright colours, crafted for those who prefer the exotic.



Metallic Grey



Rustic Gold



Rose Gold

WOODEN



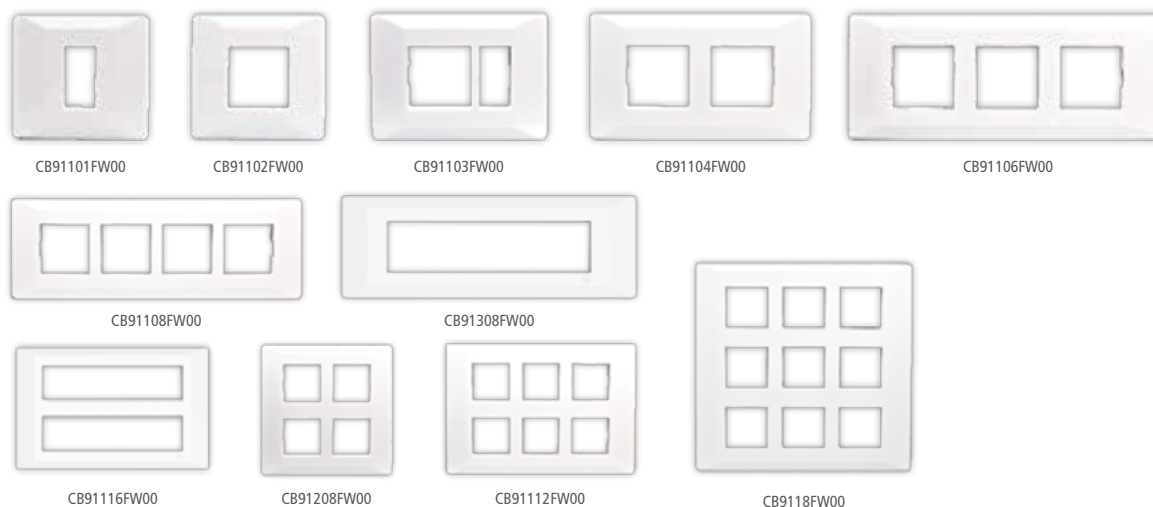
Cinnamon Wood

Rustic & earthy, these wooden tones really bring out the aesthetics of your home.



Dark Chocolate Wood

COVER PLATES WITH GRID FRAMES - WHITE



- 8M Horizontal Small size, is suitable for 10M ORIS Box.
- All White cover plates supplied with grid frames.
- 16M Cover plate is also suitable for 12M GI metal box.

Description	Std Pack	Cat No	MRP in ₹
1 module grid frame + 1 Module Cover	15	CB91101FW00	172
2 module grid frame + 2 Module Cover	15	CB91102FW00	172
3 module grid frame + 3 Module Cover	10	CB91103FW00	224
4 module grid frame + 4 Module Cover	10	CB91104FW00	256
6 module grid frame + 6 Module Cover	5	CB91106FW00	343
8 module grid frame + 8 Module Cover Horizontal	5	CB91108FW00	408
8 module grid frame + 8 Module Cover Square	5	CB91208FW00	408
8 module grid frame + 8 Module Cover- small size	5	CB91308FW00	484
12 module grid frame + 12 Module Cove	5	CB91112FW00	551
16 module grid frame + 16 Module Cove	4	CB91116FW00	683
18 module grid frame + 18 Module Cove	5	CB91118FW00	721

COVER PLATES WITHOUT GRID FRAMES - VIVID SHADES



- All color plates supplied without grid frames.
- Customer need to select Grid Frames Separately.
- All colour product pictures are for visualization purpose only, actual product colour may vary.
- Automotive Grade 2K PU Paint Technology for Durability.
- 16M Cover plate is also suitable for 12M GI metal box.

Description	Std Pack	Charcoal Grey	Eco Grey	Gold Rush	Ice Silver	Black Beauty	Bottle Green	MRP in ₹
		Cat No	Cat No	Cat No	Cat No	Cat No	Cat No	
1 module plate- Charcoal Grey	15	CB91101FG11	CB91101FE11	CB91101FU11	CB91101FI11	CB91101FB11	CB91101FD11	219
2 module plate- Charcoal Grey	15	CB91102FG11	CB91102FE11	CB91102FU11	CB91102FI11	CB91102FB11	CB91102FD11	219
3 module plate- Charcoal Grey	10	CB91103FG11	CB91103FE11	CB91103FU11	CB91103FI11	CB91103FB11	CB91103FD11	292
4 module plate- Charcoal Grey	10	CB91104FG11	CB91104FE11	CB91104FU11	CB91104FI11	CB91104FB11	CB91104FD11	323
6 module plate- Charcoal Grey	5	CB91106FG11	CB91106FE11	CB91106FU11	CB91106FI11	CB91106FB11	CB91106FD11	417
8 M plate Horztl- Charcoal Grey	5	CB91108FG11	CB91108FE11	CB91108FU11	CB91108FI11	CB91108FB11	CB91108FD11	489
8 M plate Square- Charcoal Grey	5	CB91208FG11	CB91208FE11	CB91208FU11	CB91208FI11	CB91208FB11	CB91208FD11	489
12 module plate- Charcoal Grey	5	CB91112FG11	CB91112FE11	CB91112FU11	CB91112FI11	CB91112FB11	CB91112FD11	661
16 module plate- Charcoal Grey	5	CB91116FG11	CB91116FE11	CB91116FU11	CB91116FI11	CB91116FB11	CB91116FD11	897
18 module plate- Charcoal Grey	5	CB91118FG11	CB91118FE11	CB91118FU11	CB91118FI11	CB91118FB11	CB91118FD11	995



Rustic Gold

Metallic Grey



Firestorm Orange

Rose Gold

- All color plates supplied without grid frames.
- Customer need to select Grid Frames Separately.
- All colour product pictures are for visualization purpose only, actual product colour may vary.
- Automotive Grade 2K PU Paint Technology for Durability.
- 16M Cover plate is also suitable for 12M GI metal box.

COVER PLATES WITHOUT GRID FRAMES - VIBRANT SHADES

Description	Std Pack	Rustic Gold	Metallic Grey	Firestorm Orange	Rose Gold	MRP in ₹
		Cat No	Cat No	Cat No	Cat No	
1 module plate- Rustic Gold	15	CB91101FR11	CB91101FM11	CB91101FS11	CB91101FL11	345
2 module plate- Rustic Gold	15	CB91102FR11	CB91102FM11	CB91102FS11	CB91102FL11	345
3 module plate- Rustic Gold	10	CB91103FR11	CB91103FM11	CB91103FS11	CB91103FL11	431
4 module plate- Rustic Gold	10	CB91104FR11	CB91104FM11	CB91104FS11	CB91104FL11	455
6 module plate- Rustic Gold	5	CB91106FR11	CB91106FM11	CB91106FS11	CB91106FL11	523
8 M plate Horztl- Rustic Gold	5	CB91108FR11	CB91108FM11	CB91108FS11	CB91108FL11	686
8 M plate Square- Rustic Gold	5	CB91208FR11	CB91208FM11	CB91208FS11	CB91208FL11	686
12 module plate- Rustic Gold	5	CB91112FR11	CB91112FM11	CB91112FS11	CB91112FL11	915
16 module plate- Rustic Gold	5	CB91116FR11	CB91116FM11	CB91116FS11	CB91116FL11	1007
18 module plate- Rustic Gold	5	CB91118FR11	CB91118FM11	CB91118FS11	CB91118FL11	1251

COVER PLATES WITHOUT GRID FRAMES - WOODEN FINISHES



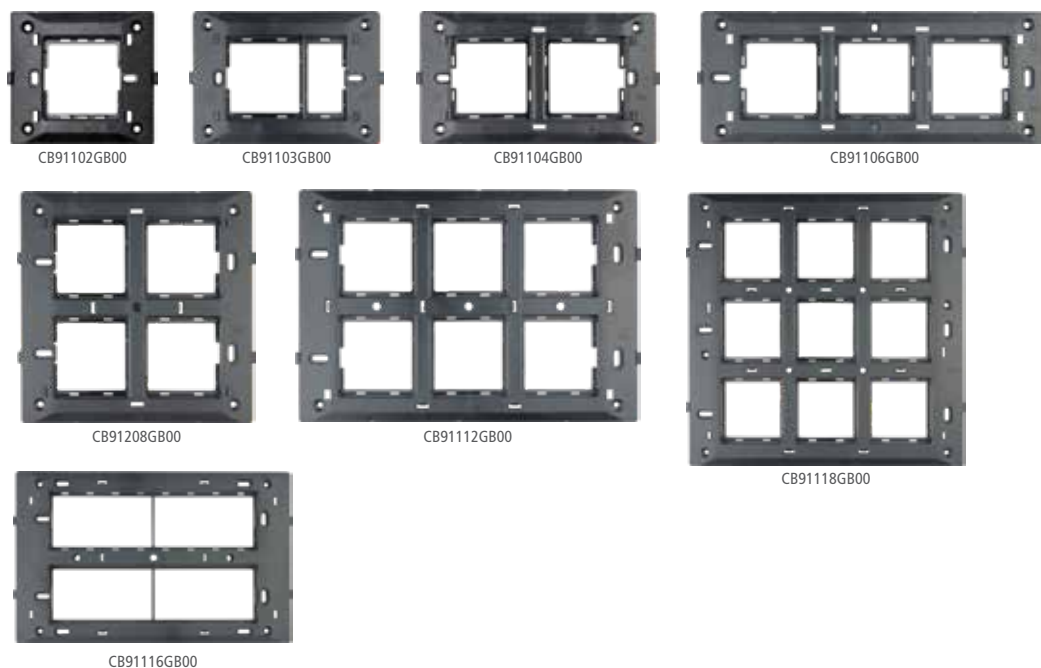
Dark Chocolate Wood

Cinnamon Wood

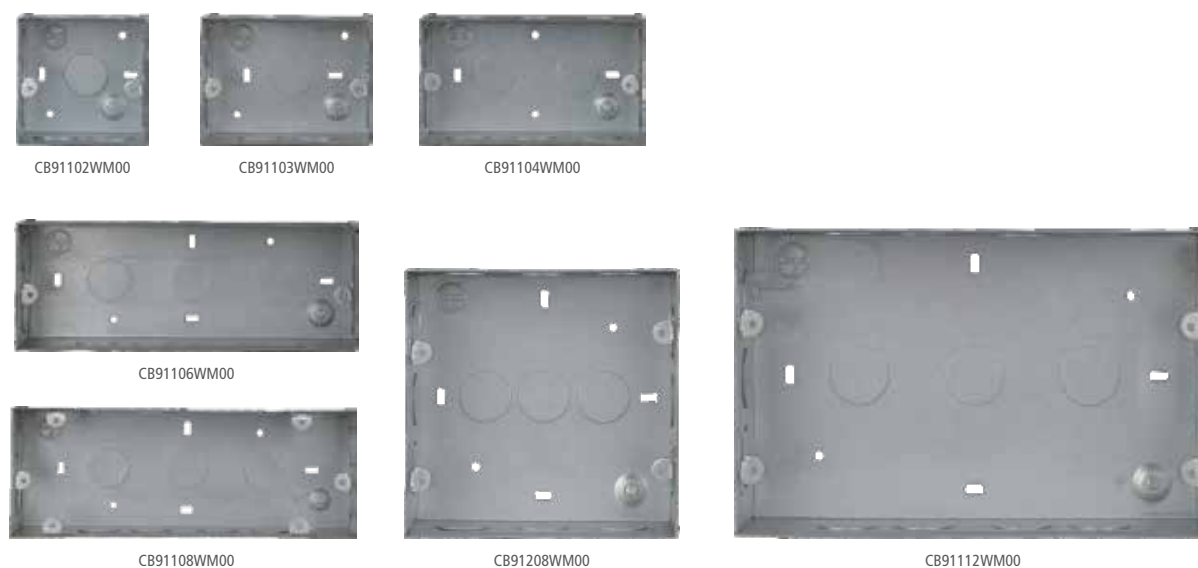
- All color plates supplied without grid frames.
- Customer need to select Grid Frames Separately.
- All colour product pictures are for visualization purpose only, actual product colour may vary.
- Cubic Printing Technology used for wooden finishes.
- 16M Cover plate is also suitable for 12M GI metal box.

Description	Std Pack	Dark Chocolate Wood	Cinnamon Wood	MRP in ₹
		Cat No	Cat No	
1 module plate- Dark Chocolate Wood	15	CB91101FL12	CB91101FA12	352
2 module plate- Dark Chocolate Wood	15	CB91102FL12	CB91102FA12	352
3 module plate- Dark Chocolate Wood	10	CB91103FL12	CB91103FA12	422
4 module plate- Dark Chocolate Wood	10	CB91104FL12	CB91104FA12	502
6 module plate- Dark Chocolate Wood	5	CB91106FL12	CB91106FA12	681
8 M plate Horztl- Dark Chocolate Wood	5	CB91108FL12	CB91108FA12	824
8 M plate Square- Dark Chocolate Wood	5	CB91208FL12	CB91208FA12	824
12 module plate- Dark Chocolate Wood	5	CB91112FL12	CB91112FA12	1168
16 module plate- Dark Chocolate Wood	5	CB91116FL12	CB91116FA12	1473
18 module plate- Dark Chocolate Wood	5	CB91118FL12	CB91118FA12	1844

GRID FRAMES (FOR VIVID, VIBRANT & WOOD COVER PLATES)



- Grid frames suitable for all colour plates and wooden finish plates.
- Ease for retailers to maintain stocks.



GI METAL MOUNTING BOXES

Description	Std Pack	Cat No	MRP in ₹
GI Metal Box - 1 & 2 Module	60	CB91102WM00	106
GI Metal Box-3 Module	45	CB91103WM00	147
GI Metal Box- 4 Module	30	CB91104WM00	168
GI Metal Box- 6 Module	20	CB91106WM00	237
GI Metal Box- 8 Module Horizontal	15	CB91108WM00	301
GI Metal Box- 8 Module Square	24	CB91208WM00	301
GI Metal Box- 12 Module	16	CB91112WM00	443
GI Metal Box- 16 Module	12	CB91116WM00	510
GI Metal Box- 18 Module	10	CB91118WM00	553

- Suitable for entice, englaze and enGem ranges.
- GI Boxes Conforms to IS14772: 2000



Presenting the all new range of Glass plates in entice.
These Glass Plates represent the perfect amalgamation of style and functionality. Crafted with utmost precision and attention to detail, they exude elegance and modernity, elevating the aesthetics of any space they adorn.

- Real Toughened 4mm Glass with Golden Bezel
- Plates are supplied with Grid Plates

Onyx Black Glass

Classic Grey Glass

ENTICE GLASS PLATES WITH GRID FRAME

Description	Onyx Black Glass			Classic Grey Glass	
	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
entice 1 module glass plate	1	CB91101FB02	790	CB91101FC02	790
entice 2 module glass plate	1	CB91102FB02	790	CB91102FC02	790
entice 3 module glass plate	1	CB91103FB02	1125	CB91103FC02	1125
entice 4 module glass plate	1	CB91104FB02	1550	CB91104FC02	1550
entice 6 module glass plate	1	CB91106FB02	1950	CB91106FC02	1950
entice 8 M plate glass Horztl	1	CB91108FB02	2250	CB91108FC02	2250
entice 8 M plate glass Square	1	CB91208FB02	2250	CB91208FC02	2250
entice 12 module glass plate	1	CB91112FB02	2725	CB91112FC02	2725
entice 16 module glass plate	1	CB91116FB02	2950	CB91116FC02	2950
entice 18 module glass plate	1	CB91118FB02	3350	CB91118FC02	3350



Introducing the timeless beauty of Marble finish plates
Marble finish plates effortlessly blend with a variety of interior styles, from classic to contemporary, traditional to modern. Their timeless appeal ensures that they remain a stylish addition to your home for years to come.

- Marble Finish plates made with highly reliable Thermal/Heat transfer film technology
- Plates are supplied with Grid Plates

Mystic Marble Finish

White Marble Finish

ENTICE MARBLE FINISH PLATES WITH GRID FRAME

Description	Mystic Marble Finish			White Marble Finish	
	Std Pack	Cat No	MRP in ₹	Cat No	MRP in ₹
entice 1 module marble finish plate	1	CB91101FM07	455	CB91101FW07	455
entice 2 module marble finish plate	1	CB91102FM07	455	CB91102FW07	455
entice 3 module marble finish plate	1	CB91103FM07	525	CB91103FW07	525
entice 4 module marble finish plate	1	CB91104FM07	595	CB91104FW07	595
entice 6 module marble finish plate	1	CB91106FM07	830	CB91106FW07	830
entice 8 M plate marble finish Horztl	1	CB91108FM07	925	CB91108FW07	925
entice 8 M plate marble finish Square	1	CB91208FM07	925	CB91208FW07	925
entice 12 module marble finish plate	1	CB91112FM07	1250	CB91112FW07	1250
entice 16 module marble finish plate	1	CB91116FM07	1850	CB91116FW07	1850
entice 18 module marble finish plate	1	CB91118FM07	1950	CB91118FW07	1950



Switch aisa ki
sab kahe
**waah
waah**



2 AMP USB CHARGING WITH LED INDICATOR

The enGem range allows your customers to fast-charge devices with the power of 2 Amp. That's not all. The range also comes with a Direct USB Charger that has a LED light indicator, The more impressed your customers, the more compliments you'll get.



PREMIUM FLAT DESIGN

Impress your customers with the enGem range of premium flat-design plates. They come with superior plastic quality and wide cover plates that make them durable and easier to install.



HASSLE-FREE PLUGGING

When you choose enGem, your customers can be rest assured about the safety of their children due to it's in-built safety shutter in sockets. More safety is sure to earn you more compliments.



360° ROTATION FOR BREAK-FREE OPERATIONS

When you recommend enGem switches, your customers get to enjoy the comfort of a fan without the hassle of a breakage-prone regulator. The 360° rotation regulator knob is built and designed for break-free operations.



CAPTIVE SCREWS AND FRONT REMOVAL SYSTEM

enGem switches reduce the time taken for every switch installation, thereby helping you finish the job quicker. These switches come with captive screws and front removal switches to make the installation process quicker and easier for you. But faster installations for you also mean lesser wait time for your customers. So, faster you finish the job, the more compliments you are bound to get.



1 LAKH + CLICKS & 10,000 TIMES SOCKET UNPLUGGING

Your customers will only compliment you when the switch you install lasts really long. enGem switches offer more than 1 Lakh clicks, which has also been certified by NABL*. What's more, you can plug sockets in and out over 10,000 times.



COLOUR & BEZEL OPTIONS AVAILABLE

engem switches are now available in two classic colours, White & Stone Grey. And you get to choose Chrome & Gold bezel options too. engem brings to you 6 stunning options to match with your home decor.



SWITCHES & BELL PUSH WITH ISI

Description	Std Pack	White		Stone Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
Switch 1-way 6A 1M	20	CB93101SW06	68	CB93101SS06	83
Switch 1-way 6A with indicator 1M	20	CB93301SW06	182	CB93301SS06	228
Switch 2 way 6A 1M	20	CB93201SW06	174	CB93201SS06	218
Switch 16 A 1-way 1M	20	CB93101SW16	169	CB93101SS16	203
Switch 16A 1-way with indicator 1M	20	CB93301SW16	233	CB93301SS16	280
Switch 16A 2 way 1M	20	CB93201SW16	244	CB93201SS16	305
Switch 20 A 1-way 1M	20	CB93101SW20	205	CB93101SS20	256
Switch 20A 1-way with indicator 1M	20	CB93301SW20	278	CB93301SS20	349
Switch 32A DP with Indicator lamp 2M	10	CB93402SW32	442	CB93402SS32	551
Bell Push 6A 1M	20	CB93101BW06	193	CB93101BS06	242
Bell Push 6A 1M with Indicator 1 M	20	CB93301BW06	215	CB93301BS06	269
bell push 6A with indicator 2M	10	CB93302BW06	287	CB93302BS06	358

POWER SOCKET WITH ISI

Description	Std Pack	White		Stone Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
3 Pin Socket 6A with ISI	10	CB93602CW06	130	CB93602CS06	163
socket 6A/16A combined with ISI 2M	10	CB93302CW16	224	CB93302CS16	279

FAN REGULATORS & DIMMERS

Description	Std Pack	White		Stone Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
Dimmer 400 W 1M	10	CB93101DW04	670	CB93101DS04	837
fan regulator 4-Step 1M	10	CB93101RW01	471	CB93101RS01	566
fan regulator 5-Step 2M	05	CB93102RW02	609	CB93102RS02	701



- 1 Lakh switching operation.
- Spark Shield, Captive screws & Tunnel Terminals.
- All Switches and bell pushes are ISI marked and conforms to IS 3854: 1997
- "AX" rating for switches are suitable to fluorescent lights also.



- 6A 3 Pin, 6A/16A 3 Pin Combi Sockets conforms to latest IS Standard of IS 1293:2019.
- All sockets are equipped with safety shutters.
- 6A 3 Pin Socket is suitable for 2 Pin Plug top also.



- 5 step fan regulator conforms to IS 11037: 1984
- All fan regulators are with 360 degree rotation.
- Dimmers only support incandescent and halogen load.

DATA SOCKETS & ACCESSORIES



USB Charger conforms to IS 13252 (Part 1)

FEATURES

- Range available in Single & Double pole
- Ratings – 6A, 10A, 16A, 20A, 25A & 32A with C Curve
- Conforms to IS/IEC 60898 – part 1
- Breaking capacity – 3 kA
- Trip free mechanism
- No Line load biased
- Suitable for use as isolator
- IP20 protection
- RoHS Compliant
- Available in White and Stone Grey Colors



MINI MCBs

Description	Std Pack	White		Stone Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
6A SP Mini MCB 3 kA	10	CB93101KW06	443	CB93101KS06	531
10A SP Mini MCB 3 kA	10	CB93101KW10	443	CB93101KS10	531
16A SP Mini MCB 3 kA	10	CB93101KW16	443	CB93101KS16	531
20A SP Mini MCB 3 kA	10	CB93101KW20	443	CB93101KS20	531
25A SP Mini MCB 3 kA	10	CB93101KW25	443	CB93101KS25	531
32A SP Mini MCB 3 kA	10	CB93101KW32	443	CB93101KS32	531
25A DP Mini MCB 3 kA	5	CB93202KW25	989	CB93202KS25	1187
32A DP Mini MCB 3 kA	5	CB93202KW32	989	CB93202KS32	1187

COVER PLATES WITH GRID FRAMES



Description	Std Pack	White		Stone Grey	
		Cat No	MRP in ₹	Cat No	MRP in ₹
1 module grid frame + 1 Module Cover	15	CB93101FW00	104	CB93101FS01	143
2 module grid frame + 2 Module Cover	15	CB93102FW00	104	CB93102FS01	143
3 module grid frame + 3 Module Cover	10	CB93103FW00	135	CB93103FS01	186
4 module grid frame + 4 Module Cover	10	CB93104FW00	159	CB93104FS01	219
6 module grid frame + 6 Module Cover	5	CB93106FW00	235	CB93106FS01	323
8 module grid frame + 8 Module Cover Horizontal	5	CB93108FW00	278	CB93108FS01	382
8 module grid frame + 8 Module Cover Square	5	CB93208FW00	278	CB93208FS01	382
12 module grid frame + 12 Module Cove	5	CB93112FW00	376	CB93112FS01	516
16 module grid frame + 16 Module Cover	4	CB93116FW00	556	CB93116FS01	764
18 module grid frame + 18 Module Cove	5	CB93118FW00	569	CB93118FS01	782

COVER PLATES WITH GRID FRAMES FOR BEZEL OPTIONS



Description	Std Pack	White with Chrome Bezel		White with Gold Bezel		Stone Grey with Chrome Bezel		Stone Grey with Gold Bezel	
		Cat No	MRP in ₹	Cat No	MRP in ₹	Cat No	MRP in ₹	Cat No	MRP in ₹
1 Module White Cover Plate with chrome Bezel	10	CB93101FW05	123	CB93101FW06	139	CB93101FS05	177	CB93101FS06	200
2 Module White Cover Plate with chrome Bezel	10	CB93102FW05	123	CB93102FW06	139	CB93102FS05	177	CB93102FS06	200
3 Module White Cover Plate with chrome Bezel	10	CB93103FW05	160	CB93103FW06	179	CB93103FS05	231	CB93103FS06	259
4 Module White Cover Plate with chrome Bezel	10	CB93104FW05	188	CB93104FW06	211	CB93104FS05	272	CB93104FS06	307
6 Module White Cover Plate with chrome Bezel	4	CB93106FW05	277	CB93106FW06	312	CB93106FS05	402	CB93106FS06	453
8 Module White Cover Plate with chrome Bezel Horizontal	4	CB93108FW05	341	CB93108FW06	382	CB93108FS05	496	CB93108FS06	554
8 Module White Cover Plate with chrome Bezel Square	4	CB93208FW05	341	CB93208FW06	382	CB93208FS05	496	CB93208FS06	554
12 Module White Cover Plate with chrome Bezel	4	CB93112FW05	479	CB93112FW06	516	CB93112FS05	670	CB93112FS06	722
16 Module White Cover Plate with chrome Bezel	4	CB93116FW05	710	CB93116FW06	764	CB93116FS05	994	CB93116FS06	1070
18 Module White Cover Plate with chrome Bezel	4	CB93118FW05	726	CB93118FW06	782	CB93118FS05	1015	CB93118FS06	1094



GI METAL MOUNTING BOXES

Description	Std Pack	Cat No	MRP in ₹
GI Metal Box - 1 & 2 Module	60	CB93102WM00	79
I Metal Box-3 Module	45	CB93103WM00	117
I Metal Box- 4 Module	36	CB93104WM00	142
I Metal Box- 6 Module	20	CB93106WM00	204
I Metal Box- 8 Module Horizontal	15	CB93108WM00	261
I Metal Box- 8 Module Square	24	CB93208WM00	261
I Metal Box- 12 Module	16	CB93112WM00	348
I Metal Box- 16 Module	10	CB93116WM00	426
I Metal Box- 18 Module	10	CB93118WM00	484

SURFACE MOUNTING BOXES

Suitable for entice, englaze and enGem range of plates



MOUNTING BOXES - PLASTIC SURFACE

Description	Std Pack	Cat No	MRP in ₹
Surface Mounting Box - 1/2 M	12	CB91102WP00	95
Surface Mounting Box- 3 M	10	CB91103WP00	125
Surface Mounting Box-4 M	12	CB91104WP00	149
Surface Mounting Box-6 M	5	CB91106WP00	195
Surface Mounting Box- 8 M Horizontal	5	CB91108WP00	245
Surface Mounting Box- 8 M-Sq	7	CB91208WP00	245
Surface Mounting Box- 12 M	5	CB91112WP00	325
Surface Mounting Box- 16 M	5	CB91116WP00	345
Surface Mounting Box- 18 M	5	CB91118WP00	375

enConnect

Smart Home Solutions:

- Modular switches with wifi connectivity
- Lighting, Fan, Appliance & Curtain controls
- Operates through Touch, Mobile app and Voice command
- Retrofit Solution-No need to change wiring/mounting boxes
- Complete security-as per new Data and Cyber Security guidelines

Upcoming Launch



englaze Sparkle Black
range



SWITCHES & BELL PUSH WITH

Description	Std Pack	Cat No	MRP in ₹
1 WAY 10A 1 MOD-W	20	OS11W10	186
2 WAY 10A 1 MOD-W	20	OS12W10	302
1 WAY INDICATOR 10A 1 MOD-W	20	OS13W10	302
1 WAY 16A 1 MOD-W	20	OS11W16	351
2 WAY 16A 1 MOD-W	20	OS12W16	416
1 WAY INDICATOR 16A 1 MOD-W	20	OS13W16	391
1 WAY 10A 1 MOD-W PLAIN KNOB	20	OS15W10	180
2 WAY 10A 1 MOD-W PLAIN KNOB	20	OS16W10	290
1 WAY 16A 1 MOD-W PLAIN KNOB	20	OS15W16	334
2 WAY 16A 1 MOD-W PLAIN KNOB	20	OS16W16	402
DP INDICATOR 20A 2 MOD-W	10	OS24W20	675
DP INDICATOR 32A 2 MOD-W	10	OS24W32	810
NITE LOCATOR 10A 1 MOD-W	20	OS14W10	328
BELL PUSH 6A 1 MOD-W	20	OB11W06	324
BELL PUSH INDICATOR 6A 1 MOD-W	20	OB13W06	362
BELL PUSH INDICATOR 10A 2 MOD-W	10	OB23W10	443
BELL PUSH 6A 1 MOD-W PLAIN KNOB	20	OB15W06	312

MOTOR STARTER

Description	Std Pack	Cat No	MRP in ₹
Motor Starter 1 ph 25A	8	OS31W25	1590

* Marked Cat Nos are available till stocks last.

POWER SOCKET WITH

Description	Std Pack	Cat No	MRP in ₹
3 Pin Socket 6A with ISI	10	OC36W06	262
SOCKET 6/16A 3 MOD-W with ISI	10	OC32W66	516



OS31W25



OC36W06



OC32W66

FAN REGULATOR & DIMMER

Description	Std Pack	Cat No	MRP in ₹
DIMMER 400W 2 MOD-W	5	OD21W04	1099
FAN REGULATOR 5 STEP 360 DEG WHITE	5	OR22W01	1145



OD21W04



OR22W01

- 5 step fan regulator conforms to IS 11037: 1984
- Fan regulator are with 360 degree rotation.
- Dimmers only support incandescent and halogen load.

DATA SOCKETS

Description	Std Pack	Cat No	MRP in ₹
RJ11 SHUTTERED 1 MOD-W	20	OT11W11	305
RJ45 SHUTTERED 1 MOD-W	20	OT11W45	967
TV SOCKET 1 MOD-W	20	OT11W00	273



OT11W11



OT11W45



OT11W00

ACCESSORIES

Description	Std Pack	Cat No	MRP in ₹
LED FOOTLIGHT 6 MOD-W	5	OL61W06	1289
INDICATOR LITE 1 MOD-W	20	OA11W00	250
BLANK OFF 1 MOD-W	20	OA10W00	51



OL61W06

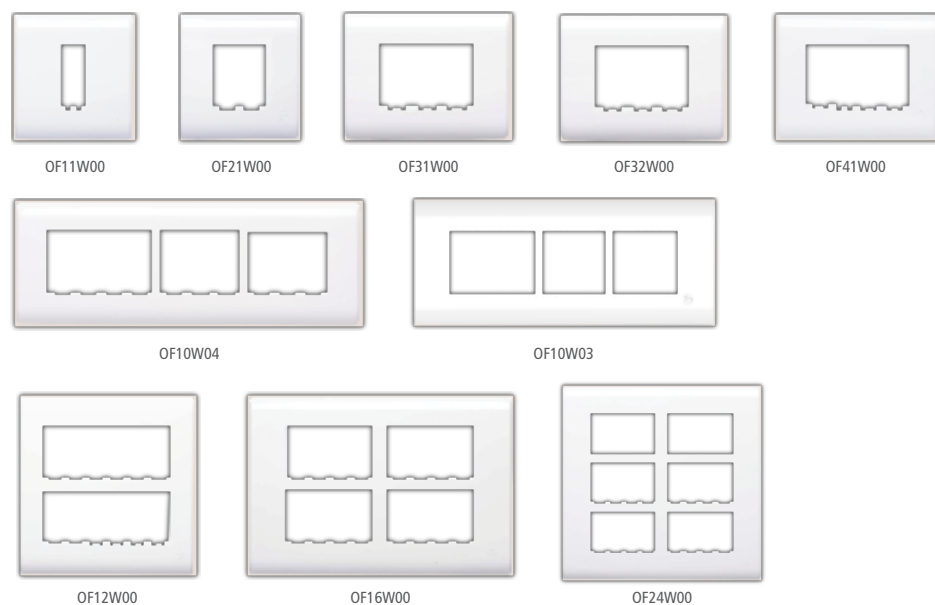


OA11W00



OA10W00

COVER PLATES WITH GRID FRAMES



Description	Std Pack	Cat No	MRP in ₹
GRID AND FACE PLATE 1 MOD-W	15	OF11W00	207
GRID AND FACE PLATE 2 MOD-W	15	OF21W00	207
GRID AND FACE PLATE 3 MOD-W	10	OF31W00	254
GRID AND FACE PLATE 3 MOD MINI-W	10	OF32W00	232
GRID AND FACE PLATE 4 MOD-W	10	OF41W00	261
GRID AND FACE PLATE 6 MOD-W	10	OF61W00	345
GRID AND FACE PLATE 8 MOD-W	10	OF81W00	413
GRID AND FACE PLATE 10 MOD 433-W	5	OF10W03	489
GRID AND FACE PLATE 10 MOD 433-W for wooden boxes	5	OF10W04	498
GRID AND FACE PLATE 12 MOD-W	5	OF12W00	584
GRID AND FACE PLATE 16 MOD-W	5	OF16W00	643
GRID AND FACE PLATE 24 MOD-W	5	OF24W00	843

MOUNTING BOXES - PLASTIC SURFACE BOXES



Description	Std Pack	Cat No	MRP in ₹
SURFACE WALL BOX 1/2 MOD	20	OW21W00	188
SURFACE WALL BOX 3/4 MOD	12	OW41W00	220
SURFACE WALL BOX 6 MOD	10	OW61W00	263
SURFACE WALL BOX 8 MOD	14	OW81W00	275
SURFACE WALL BOX 10 MOD	10	OW10W00	331
SURFACE WALL BOX 12 MOD	10	OW12W00	361
SURFACE WALL BOX 16 MOD	8	OW16W00	528

STANDALONE RANGE



CB93100PW06
CB93100PW16

CB93300PW06
CB93300PW16



Angle Holder

CB93400LW01

Batten Angle Holder



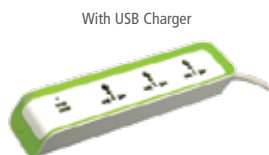
CB93400LW02



CB93400LW03



CB93400LW04



OA05W06



OA04W13



CB93400AB06
CB93300AB06



DIGITAL DING-DONG
7 Ding Dong Tunes
OB31W00



MANTRAS
10 Mantra Tunes
OB32W00



ENGLISH MELODY
25 English Tunes
OB33W00

PLUG TOP WITH ISI

Description	Std Pack	Cat No	MRP in ₹
6A Plug Top	10	CB93100PW06	99
6 A Plug top with indicator	10	CB93300PW06	120
16 A Plug Top	10	CB93100PW16	152
16A Plug Top with indicator	10	CB93300PW16	169

LAMP HOLDER

Description	Std Pack	Cat No	MRP in ₹
Jumbo Lamp holder 2 in 1 Type	24	CB93400LW01	116
Lamp Holder Angular Type	30	CB93400LW02	44
Lamp Holder Batten Type	40	CB93400LW03	42
Jumbo Ceiling Rose	40	CB93400LW04	70

SPIKE GUARDS

Description	Std Pack	Cat No	MRP in ₹
spike guard	1	OA04W13	984
spike guard with twin USB Charger	1	OA05W06	1684
enGem 4 Way Spike Guard - 1.5 Mtr	1	CB93300AB06	744
enGem 4 Way Spike Guard - 5 Mtr	1	CB93400AB06	1155

DOOR BELLS

Description	Std Pack	Cat No	MRP in ₹
ORIS DIGITAL DING DONG DOOR BELL	1	OB31W00	416
ORIS MANTRAS DOOR BELL	1	OB32W00	477
ORIS ENGLISH MELODY DOOR BELL	1	OB33W00	507



WARRANTY POLICY

- **All products** carry warranty against manufacturing defects due to fault workmanship.
- **All switches**, sockets and accessories carry a warranty of 12 years from the date of manufacturing.
- **Products** with electronic circuits and LED i.e. electronic fan regulators, dimmers, foot light, buzzers, hotel range, USB chargers, bell indicators, sensors, touch switches etc., carry a warranty of 2 years from the date of manufacturing.
- **All colour products** and material plates carry a warranty of 3 years from the date of manufacturing.
- **Warranty** does not apply to case of breakage/tampering with products.
- **The warranty** is subject to the provision of proper usage and proper maintenance and does not cover defects arising out of fire, accident, insufficient maintenance, faulty operations and wilful or accidental damage.
- **Company** shall not be liable for any consequential losses, injuries or damages attributes to defect or failure of it's products.
- **Trippler, Tripbox and Tripbox PLUS range**
all products listed in the price list carry a warranty against manufacturing deffects for a period of 18* months from the date of purchase.
- Extended Warranty of 5 years on **L&T E&A MCBs** and Isolators if mounted inside **L&T E&A Distribution Boards**.

*Proof of purchase to be retained to avail warranty.

ELECTRICAL STANDARD PRODUCTS (ESP) OFFICES:

HEAD OFFICE

L&T Electrical & Automation
TC-II, Tower B, Prima Bay,
Gate No. 5, Saki Vihar Road, Powai,
MUMBAI - 400072.
Tel: 022-67052874 / 2737 / 1156
e-mail: cic@Lntebg.com

BRANCH OFFICES

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C-201, The First Commercial Complex,
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Ahmedabad - 380015
Toll Free: 1800 233 5858 / 1800 200 5858
e-mail: CIC@Lntebg.com

L&T Electrical & Automation
Wework Central, #36 Infantry Road,
Bengaluru - 560 001
Toll Free: 1800 233 5858 / 1800 200 5858
e-mail: CIC@Lntebg.com

L&T Electrical & Automation
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Bhubaneswar - 751010
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e-mail: CIC@Lntebg.com

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Chandigarh - 160017
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e-mail: CIC@Lntebg.com

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Gopalpura Bypass,
Jaipur - 302018
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e-mail: CIC@Lntebg.com

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Product improvement is a continuous process. For the latest information and special application, please contact any of our offices listed here.
Product photographs shown for representative purpose only.



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**Maximum Retail Prices
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Effective from 01-05-2024



Good quality products and customer service, continuous improvement in processes, systems and capabilities are the hallmark of leaders in business.

The Electrical Standard Products (ESP) business and New Product Development (NPD) function of L&T Electrical & Automation (E&A) have been awarded the Deming Prize 2019, by JUSE (Union of Japanese Scientists and Engineers), Japan.

The Deming Prize is one of the highest awards on Total Quality Management (TQM) in the globe. It is presented to an organization that has implemented TQM suitable for its management philosophy, scope/type/scale of business and management environment.

The TQM activities of ESP were evaluated for establishment of customer oriented objectives and strategies & top management leadership, suitable utilisation and implementation of TQM, effects obtained regarding business objectives and demonstration of organizational capabilities.

E&A's ESP is the first low voltage switchgear manufacturer in India that has received this recognition.



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Modular Remote Control Units	25

Note:

Colour of HSN code signifies below

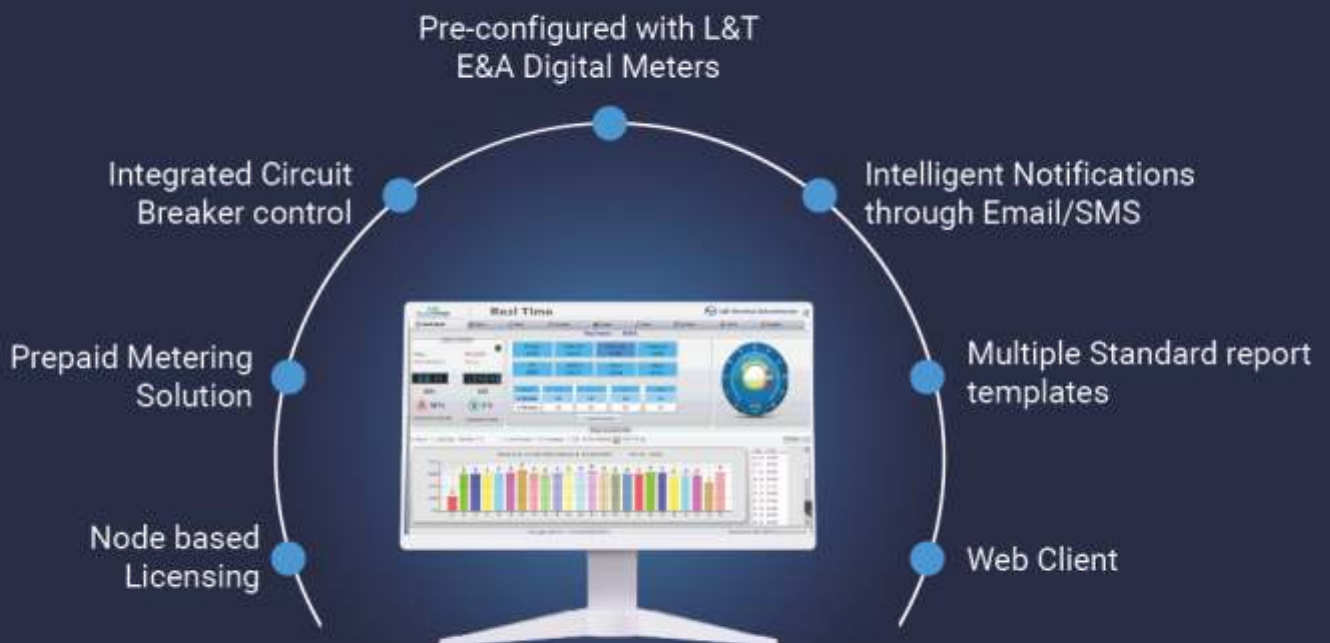
[Green colour : HSN code]

Current GST 18%, subject to changes as per Govt. notification

THE ENERGY MANAGEMENT SYSTEM THAT FOSTERS ENERGY EFFICIENCY



SmartComm EMS is a simple yet robust solution for organizations seeking to optimize energy consumption and operational efficiency, all within a user-friendly environment. The on-premise implementation gives you direct control and oversight of energy-related data, allowing for real-time monitoring, analysis, and decision-making through an intuitive and easy-to-use interface. With cutting edge features, SmartComm EMS empowers you to proactively manage energy usage, identify savings opportunities, and ensure compliance with sustainability goals and regulations.



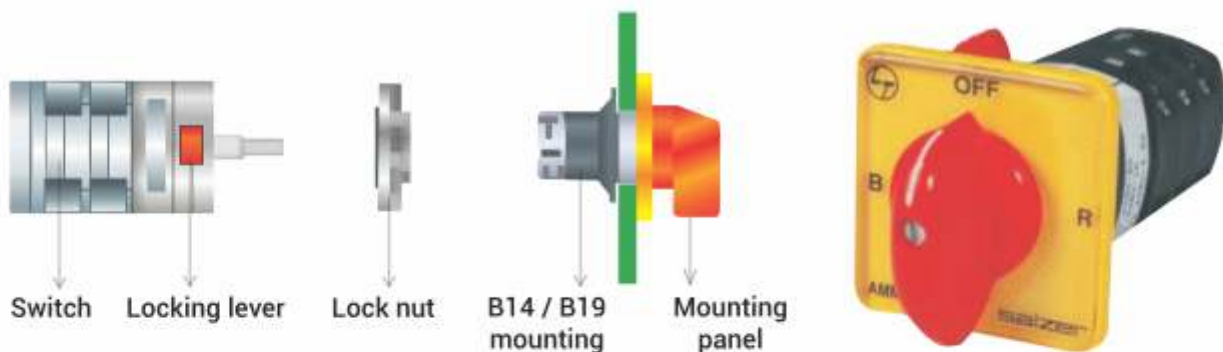
Customer Interaction Center (CIC)

BSNL/MTNL (toll free): 1800 233 5858 Reliance (toll free): 1800 200 5858
Tel: 022 6774 5858 Email: cic@Lntbg.com Web: Lntbg.com



Increase efficiency by 75% with our Single Hole Mounting Rotary Switch

Single hole mounting (SHM) range of rotary switches uses a unique mounting concept that requires just a single $\varnothing 22.5$ cut out to mount the switches on the panel

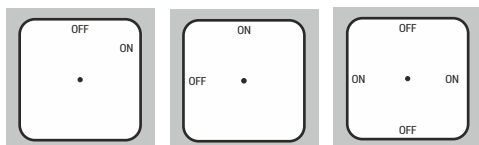


- Available from 6A-32A with B14 / B19 mounting
- Easy mounting - Reduces assembly time
- Wiring accessibility : Switch can be wired separately and then snap fitted to the mounting assembly using locking lever
- Single hole cutout - It requires a single cutout to mount on the panel

Rotary Switches

Note: All mentioned prices are for Standard Mounting & Knob. Kindly reach our branch offices for details of other mountings & knobs.

Cam Operated Rotary Switches [8536]



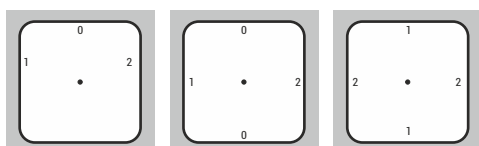
Isolators Switches (ON-OFF Switches)



60° Operation	90° Operation	90° Operation Complete Rotation	Description	M.R.P. (₹) Per Unit								
Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓				6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)
61001	61191	61195	1 Pole ON - OFF	155	260	355	390	490	630	730	3845	4970
61002	61192	61198	2 Pole ON - OFF	200	295	405	485	570	755	935	4810	6480
61003 ^{\$}	-	-	3 Pole ON - OFF	215	360	730	910	1015	1270	1825	6515	8490
-	61199	61197		215	360	475	635	705	885	1265	5925	8090
61004	61194	61196	4 Pole ON - OFF	270	400	510	765	825	1000	1510	6860	9620

Offered upto 12 Pole

\$ Motor Duty Switch (AC-3 Duty)

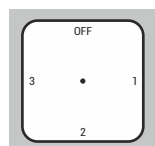


Changeover Switches (Local - Remote, Auto - Manual Switches)



With Center OFF (60°)	With OFF (90°)	Without OFF (90°) with Complete Rotation	Description	M.R.P. (₹) Per Unit								
Cat. No.: Program Code (First 5 digits), Next 5 digits in () # ➔ ↓				6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)
61025	61151	61037	1 P 2W	200	330	450	490	550	730	995	4970	7190
61026	61152	61038	2 P 2W	270	395	510	665	765	1005	1510	7275	10955
61027	61153	61039	3 P 2W	330	490	680	1000	1080	1265	2025	9425	14020
61028	61154	61040	4 P 2W	405	575	785	1315	1380	1525	2540	11900	17500

Phase Changeover (PS Series Switches)



Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	Description	M.R.P. (₹) Per Unit			
		25A (PFB03)	32A (PFB03)	40A (PGB03)	63A (PIB03)
61060	1 P 3W with OFF	425	525	770	865

Phase Changeover in SS enclosure



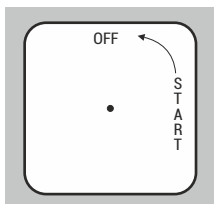
Cat. No.	Description	M.R.P. (₹) Per Unit			
		25A (E)	32A (F)	40A (G)	63A (I)
72347P□M17TDYR.	PS Series Switches in SS enclosure	3320	3495	5165	5290

Note : Prices are available on request for higher than 4 Pole ON-OFF version. Please contact nearest E&A branch office for prices.

For complete ordering code, Kindly refer Page No. 10

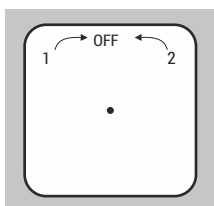
Spring Return Switches [8536]

ON - OFF Spring Return Switches



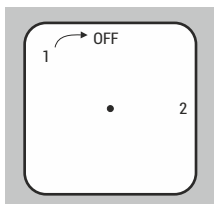
Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit	
		16A (SCB03)	25A (SEB03)
1 P ON - OFF	61351	765	1195
2 P ON - OFF	61352	805	1350
3 P ON - OFF	61353	910	1615
4 P ON - OFF	61354	1075	1760

Double Throw with Spring Return Switches



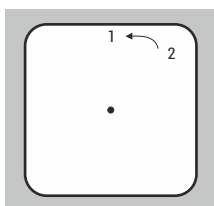
Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit	
		16A (SCB03)	25A (SEB03)
1 P 2W W/OFF Spring Return	61361	805	1350
2 P 2W W/OFF Spring Return	61362	1185	1760
3 P 2W W/OFF Spring Return	61363	1295	2200

One Side Spring Return Switches



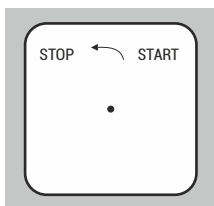
Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit	
		16A (SCB03)	25A (SEB03)
1 P 3W Spring Return - OFF from 1	61364	730	1350
2 P 3W Spring Return - OFF from 1	61365	1075	1760
3 P 3W Spring Return - OFF from 1	61369	1175	2200

Spring Return Switches without OFF



Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit	
		16A (SCB03)	25A (SEB03)
1 P 2W Spring Return - from 2 to 1	61371	730	1350
2 P 2W Spring Return - from 2 to 1	61372	1075	1760
3 P 2W Spring Return - from 2 to 1	61373	1175	2200

Start Stop Spring Return Switches



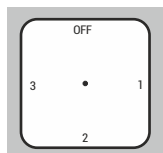
Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit	
		16A (SCB03)	25A (SEB03)
1 P Start Stop Spring Return	61300	910	1365
2 P Start Stop Spring Return	61388	1075	1760

For complete ordering code, Kindly refer Page No. 10

Multi Step Switches [8536]

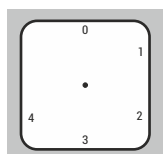


Multi Step Switches with OFF



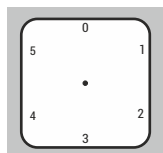
3 Way

Description	Cat. No. #	M.R.P. (₹) Per Unit								
		6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)
1 P 3W	61060	235	375	470	PS Series Switches (Refer page no. 2)				5050	7675
2 P 3W	61080	330	435	570	790	850	1220	1375	7425	11730
3 P 3W	61100	475	590	970	1170	1275	1635	2120	9695	15405
4 P 3W	61131	610	755	1175	1465	1605	2185	2550	12250	19315



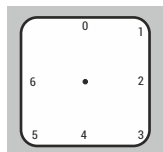
4 Way

1 P 4W	61061	280	340	680	830	915	1045	1415	7100	***
2 P 4W	61081	475	630	805	875	1015	1495	1660	11900	***
3 P 4W	61101	655	795	1275	1465	1680	1900	2550	17935	23165
4 P 4W	61132	795	1180	1620	1755	1875	2475	2940	25170	37755



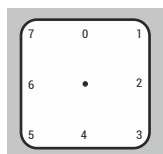
5 Way

1 P 5W	61062	305	440	720	1035	1050	1075	1520	***	14415
2 P 5W	61082	550	825	1045	1410	1660	1700	2125	***	***
3 P 5W	61102	730	1510	1815	2000	2205	2460	2885	23880	***



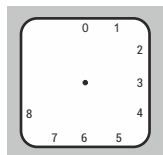
6 Way

1 P 6W	61063	395	550	755	1045	1070	1105	***	***	***
2 P 6W	61083	655	***	1105	***	1900	***	3565	***	***
3 P 6W	61103	910	***	2085	2355	2535	***	2965	***	***



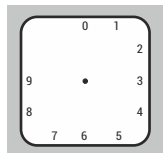
7 Way

1 P 7W	61064	405	620	820	1050	1100	1145	1775	***	***
2 P 7W	61084	685	***	1085	1650	1755	2430	2815	***	***
3 P 7W	61104	950	***	1755	2170	***	3315	3905	***	***



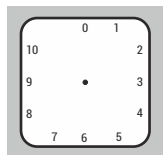
8 Way

1 P 8W	61065	460	680	815	1440	***	1810	***	***	***
2 P 8W	61085	750	***	1485	***	***	***	***	***	***



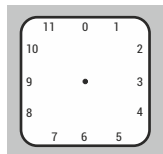
9 Way

1 P 9W	61066	475	***	***	***	***	***	***	***	***
2 P 9W	61086	855	***	2175	***	***	***	***	***	***



10 Way

1 P 10W	61067	550	815	1135	2460	***	***	***	***	***
2 P 10W	61087	880	***	***	***	***	***	***	***	***



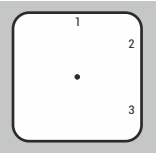
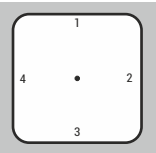
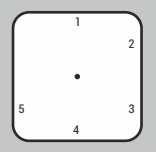
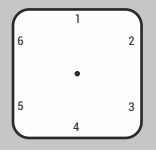
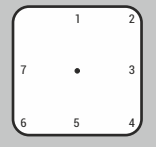
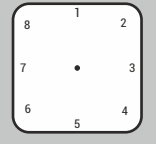
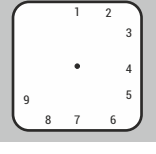
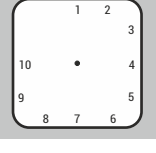
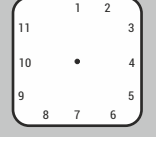
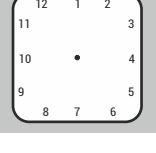
11 Way

1 P 11W	61068	655	***	1035	2690	***	***	***	***	***
2 P 11W	61088	1000	***	***	***	***	***	***	***	***

***Prices are available on request.

Program Code first 5 digits, Next 5 digits in (), For complete ordering code, kindly refer Page No. 10

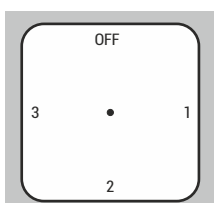
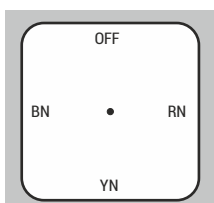
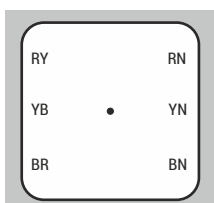
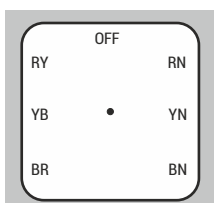
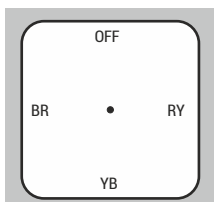
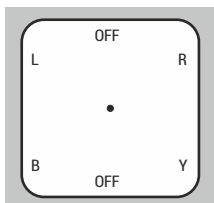
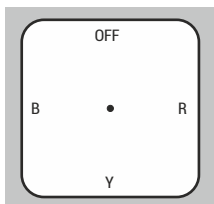
Multi Step Switches without OFF

	Description	Cat. No. #	M.R.P. (₹) Per Unit								
			6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)
 3 Way	1 P 3W W/O OFF	61049	220	360	480	610	635	975	1100	***	7785
	2 P 3W W/O OFF	61069	330	545	670	805	1210	1220	1440	7425	14020
	3 P 3W W/O OFF	61089	475	675	1000	1170	1275	1635	2120	9695	15550
	4 P 3W W/O OFF	61120	610	755	1160	1490	1585	3480	3840	***	20160
 4 Way	1 P 4W W/O OFF	61050	250	390	575	730	765	1065	1480	5050	7955
	2 P 4W W/O OFF	61070	370	565	680	865	950	1275	1660	7807	12605
	3 P 4W W/O OFF	61090	505	555	1085	1380	1525	1670	2230	10280	16995
	4 P 4W W/O OFF	61121	700	755	1265	1670	1775	2230	2975	12630	21500
 5 Way	1 P 5W W/O OFF	61051	305	405	625	825	1015	***	1520	6485	***
	2 P 5W W/O OFF	61071	550	740	870	1320	1660	***	***	***	15970
	3 P 5W W/O OFF	61091	730	1510	1655	1810	1985	2100	2965	***	***
 6 Way	1 P 6W W/O OFF	61052	320	665	780	915	1050	1230	1555	7425	14540
	2 P 6W W/O OFF	61072	640	775	1050	1640	1685	1700	2175	14800	19025
	3 P 6W W/O OFF	61092	780	1420	1780	1955	2030	2220	2965	25170	39790
 7 Way	1 P 7W W/O OFF	61053	395	620	705	1085	***	***	***	13090	***
	2 P 7W W/O OFF	61073	685	***	1175	1670	***	***	***	***	***
	3 P 7W W/O OFF	61093	950	***	1940	2530	***	***	3990	***	***
 8 Way	1 P 8W W/O OFF	61054	405	735	880	1100	1160	1280	1875	12435	***
	2 P 8W W/O OFF	61074	725	1165	1485	1740	1885	***	3635	***	***
	3 P 8W W/O OFF	61094	1020	***	2115	2275	2320	2655	4190	***	***
 9 Way	1 P 9W W/O OFF	61055	475	***	1405	***	***	***	***	***	***
	2 P 9W W/O OFF	61075	805	***	***	***	***	***	***	***	***
 10 Way	1 P 10W W/O OFF	61056	510	780	1560	***	***	***	***	***	***
	2 P 10W W/O OFF	61076	890	***	***	***	***	***	***	***	***
 11 Way	1 P 11W W/O OFF	61057	940	***	***	***	***	***	***	***	***
	2 P 11W W/O OFF	61077	1075	***	***	***	***	***	***	***	***
 12 Way	1 P 12W W/O OFF	61058	995	***	1160	2780	2960	***	***	***	***
	2 P 12W W/O OFF	61078	1165	***	***	***	***	***	***	***	***

***Prices are available on request.

Program Code first 5 digits, Next 5 digits in (), For complete ordering code, kindly refer Page No. 10

Instrumentation Selector Switches [8536]



Ammeter Selector Switches (ASS)

Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Line Currents with OFF with CT	61325 SAB13TDYR	6A	330
Line Currents with OFF with CT	61325 SBB13TDYR	10A	350
Line Currents with OFF with CT	61325 SCB03TDYR	16A	505
Line Currents with OFF without CT	71000 SCB03TDYR	16A	1445
Direct Currents with OFF without CT	71000 SEB03TDYR	25A	1670
Direct Currents with OFF without CT	71000 SFB03TDYR	32A	2005
Direct Currents with OFF without CT	71000 SGB03TDYR	40A	3525
Direct Currents with OFF without CT	71000 SIB03TDYR	63A	3720

Voltmeter Selector Switches (VSS)

Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases with OFF	61312 SAB13TDYR	6A	240
Voltage between Phases with OFF	61312 SBB13TDYR	10A	320
Voltage between Phases with OFF	61312 SCB03TDYR	16A	455

Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SAB13TDYR	6A	425
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SBB13TDYR	10A	630
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SCB03TDYR	16A	855

Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phase & Phase to Neutral without OFF	61314 SBB13TDYR	10A	625

Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases & Phase to Neutral without OFF	61311 SAB13TDYR	6A	425

Ammeter & Voltmeter Combined Switch

Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases to Neutral & Current of that Phase	61338 SBB13TDYR	10A	665



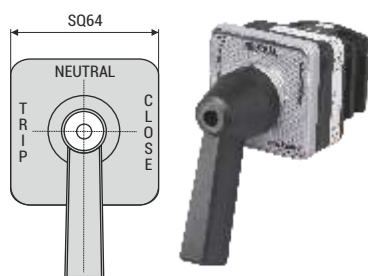
**Control your breaker remotely
through TNC switch**

Breaker Control Switches (Trip-Neutral-Close)

- 1NO+1NO, 2NO+2NC model available in 25A
- Barrel lock option available
- Lost motion contact (LMD) & Sequence Locking available



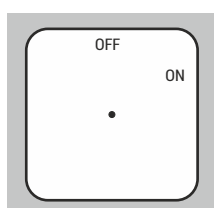
Breaker Control Switches (Trip - Neutral - Close)



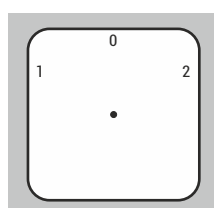
Rating	Contact Arrangement	Mounting Type	Cat. No.	M.R.P. (₹) Per Unit
25A	1Trip + 1Close	Standard	73257SEB03PGGB	1250
25A	1Trip + 1Close	Standard	73257SEB03PGYR	1250
25A	1Trip + 1Close	Barrel Lock	73257SEB90PGBB	1730
25A	2Trip + 2Close	Standard	72009SEB03PGBB	1470
25A	2Trip + 2Close	Standard	72009SEB03PGYR	1470
25A	2Trip + 2Close	Standard	72009SEB03PGGB	1470
25A	2Trip + 2Close	Barrel Lock	72009SEB90PGBB	2120

Other option such as sequence inter lock (SIL) & lost motion device (LMD) available on request.

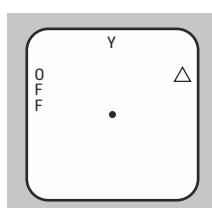
Motor Duty Switches



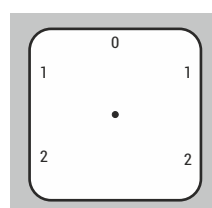
61003



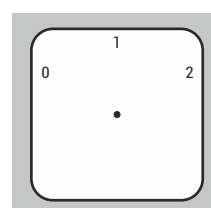
61211



61200



61217



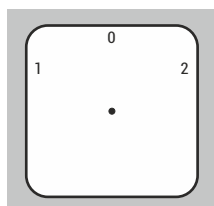
61212

Description	Cat. No. #	M.R.P. (₹) Per Unit						
		16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)
ON - OFF Switch	61003	730	910	1015	1270	1825	6515	8490
FOR - OFF - REV Switch	61211	550	680	805	2095	2550	6495	10470
Star - Delta Switch	61200	730	960	1205	1840	2355	***	***
2 Speed for FOR - OFF - REV Switch	61217	***	1735^	***	2900	***	***	***
2 Speed forward Switch	61212	805	1580	1980	2485	3050	8120	9380

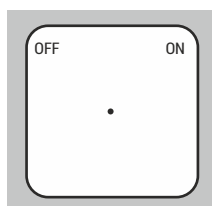
^ Supplied only with ball grip handle

Program Code first 5 digits, Next 5 digits in (), For complete ordering code, kindly refer Page No. 10

Switches in Enclosure



73393, 71913



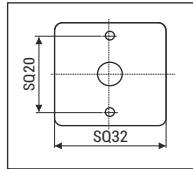
72244



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
FOR - OFF - Rev in SS with ball grip handle	73393SCM17BGXB	16A	695
FOR - OFF - Rev in SS with ball grip handle	71913SEM17BGYR	25A	1055
FOR - OFF - Rev in SS with ball grip handle	71913SFM17BGYR	32A	1455
3 Pole ON - OFF in SS	72244SEM17TDYR	25A	920
3 Pole ON - OFF in SS	72244SFM17TDYR	32A	1255
3 Pole 2Way Without OFF in SS	61153SCM17TDYR	16A	1125

For any other rating requirement please contact nearest E&A branch office

Rotary Switch Accessories [8538]



Front Plate Assembly

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Front Plate for 6 to 16A	FP16SQ48	48 x 48	35
Front Plate for 25 & 32A	FP32SQ64	64 x 64	65
Front Plate for 40 to 200A	FP200SQ88	88 x 88	100



Handles & Knobs

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Flag Handle for 16A	KNFHS2	48 x 48, 48 x 60	20
Flag Handle for 25 - 32A	KNFHS3	64 x 64, 64 x 80	35
Ball Handle for 16 - 32A	HNBHS1	64 x 64, 64 x 80	90
Ball Handle for 40 - 63A	HNBHS2	88 x 88, 104 x 104	100
PG Handle for 16 - 32A	HNPGS1	64 x 64, 64 x 80	110
Lever Handle for 40 - 200A	HNLVS1	88 x 88, 104 x 104	140
Tear Drop for 6 - 16A	KNTDS1	48 x 48, 48 x 60	20
Tear Drop for 16 - 32A	KNTDS2	64 x 64, 64 x 80	35
Tear Drop for 40 - 400A	KNTDS3	88 x 88, 104 x 104	75

Wall Type Mounting Boxes (upto 32A - maximum 4 Contacts)

Description	Cat. No.	M.R.P. (₹) Per Unit
Plastic / ABS Enclosure B17 16A upto 3 Stage / 25A upto 2 Stage	WMBABS	680
Aluminium Enclosure B17 16A upto 3 Stage / 25A upto 2 Stage	WMBAL	1130
SS Enclosure M17 upto 32A - 4 Stage	WMBSS	425

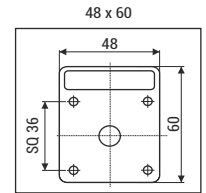
Note: Switches to be order separately.



B31 PVC Enclosure

Script Plate - Silver Finish (for Black Front Plate Assembly Only)

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Silver Finish 48 x 48 mm	SFSQ48	48 x 48	21
Silver Finish 64 x 64 mm	SFSQ64	64 x 64	24
Silver Finish 88 x 88 mm	SFSQ88	88 x 88	30
Silver Finish 104 x 104 mm	SFSQ104	104 x 104	53



Special Front Plate Assembly

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
SPL IND Plates upto 16A	FPRT4860	48 x 60	65
SPL IND Plates for 16 - 32A	FPRT6480	64 x 80	110

Script Plate (marking plate)

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Script Plate for 6 - 16A	SPSQ48	48 x 48	20
Script Plate for 16 - 32A	SPSQ64	64 x 64	25
Script Plate for 40 - 200A	SPSQ88	88 x 88	30
Script Plate for 6 - 16A	SPRT4816	48 x 16	10
Script Plate for 6 - 32A	SPRT6416	64 x 16	15

Mounting Plates (used for Back Fixing Plate)

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Rear MTG Plate for 6 - 16A	MPSQ48	48 x 48	15
Rear MTG Plate for 25 - 32A	MPSQ64	64 x 64	25
Rear MTG Plate for 40 - 63A	MPSQ88	88 x 88	60
Rear MTG Plate for 80 - 400A	MPSQ104	104 x 104	110
DIN Rail Attachment upto 32A	B21DIN35	-	100

Shrouding Cover (maximum 6 Contacts Round Type)

Description	Cat. No.	M.R.P. (₹) Per Unit
Shrouding Cover for 6 - 10A	SHCS1	70
Shrouding Cover for 16A	SHCS2	70
Shrouding Cover for 25 - 32A	SHCS3	105
Shrouding Cover for 40 - 63A	SHCS4	110
Special Cover for Extended Termination 80 - 400A (maximum 2 Contact Stage)	SHCS5	825

Ordering Code for Rotary Switches

Example for :	1. Programme Code				2. Type	3. Ampere	4. Mounting			5. Knob	6. Colour			
25A 3 Pole														
ON - OFF Switch	6	1	1	9	7	S	E	B	0	3	T	D	Y	R

1. Programme Code

Programme	Programme Code
Isolators	Pg. No. 3
Changeovers Switches	Pg. No. 3
Spring Return Switches	Pg. No. 4
Multistep Switches with OFF	Pg. No. 5
Multistep Switches without OFF	Pg. No. 6
Instrumentation Switches	Pg. No. 7
Motor Control Switches	Pg. No. 8
Switches in SS Enclosure	Pg. No. 8
Breaker Control Switches	Pg. No. 8

2. Type Selection

Type	Code
S-Series (6 to 400A)	S
Touch Proof (6 to 16A)	T
Rear Access Termination (16 to 63A)	R
Phase Selector Only for 1 Pole 3 Way with OFF (25 to 63A)	P
DC Switches (16 to 500A)	D





S Series
Open Version

TP Series
Touch Proof

RT Series
Touch Proof &
Rear Termination

3. Ampere Selection

Ampere	Code	Ampere	Code
6	A	100	K
10	B	125	L
16	C	160	M
20	D	200	N
25	E	250	O
32	F	300	P
40	G	400	Q
50	H	500	R
63	I	600	S
80	J	800	T

4. Mounting Style

 B03/B13 Standard Mounting	 B19/B14 Single Hole Mounting	 B33 Round Padlock	 B30 Rectangular Padlock	 B63 Key Lockable Type
 B17 ABS Enclosure	 M17 Metal Enclosure	 B02 Rear/Base Mounting	 B21 DIN Rail Mounting	 B42 Rear Mounting with Door Interlock

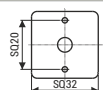
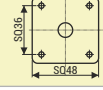
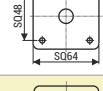
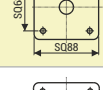
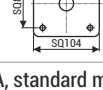
5. Knob / Handle Selection

Code - TD	Code - FH	Code - PG	Code - BG	Code - LV
				
Tear Drop	Flag Knob	Pistol Grip	Ball Grip	Lever Handle

6. Color Combination Selection Table

Code - YR	Code - GB	Code - BB	Code - AB
			
Yellow Front Plate Red Knob	Grey Front Plate Black Knob	Black Front Plate Black Knob	Aluminum Foil with Black Knob

Front Plate

Standard Style	Frame Size	Bigger Style
Current Ratings 6/10 Amps		Current Ratings ---
16/20 Amps		6/10 Amps
25/32 Amps		16/20 Amps
S40 Amps & above		25/32 Amps
—		S40 Amps & above

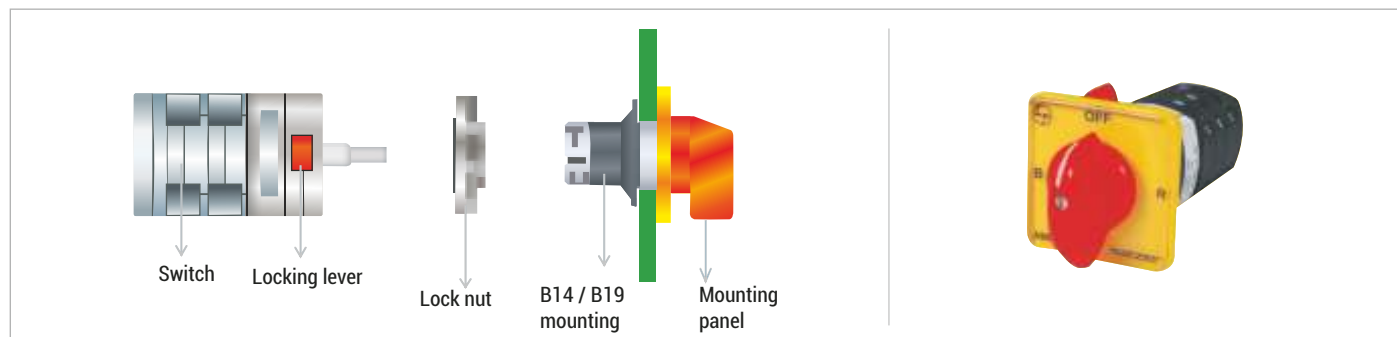
Note: 1. For ratings of 6/10A, standard mounting style is B13
2. Single hole mounting equivalent of B03 is B19 and B13 is B14.

Mounting Feasibility

Mounting Code	Description	Feasibility					
		6/10A	16/20A	25/32A	40/63A	80/100/125A	200/400A
B03	Front Mounting, Standard Mounting plate		✓	✓	✓	✓	✓
B13	Front Mounting with next size plate	✓	✓	✓	✓	✓	✓
B00	Front Mounting 48 x 48 plate for 25/32 A and 64 x 64 plate for 40/63A			✓	✓		
B19	Single Hole Mounting 32 x 32 plate for 6/10A only 48 x 48 Plate for 16-32A	✓	✓	✓			
B14	Single Hole Mounting 48 x 48 plate for 6/10A	✓					
B33	Front Mounting with Round Padlock for 2 Position (for Isolators)		✓	✓	✓	✓	✓
B30	Front Mounting with Rectangular Padlock 2 Position (for Isolators)		✓	✓	✓	✓	✓
B63	Key Lockable type (Handle/Knob)		✓	✓	✓		
B90	Center Key Lock (Pistol grip Handle in black color only)		✓	✓			
B02	Rear / (Back/Base) Mounting	✓	✓	✓	✓	✓	✓
B21	DIN Rail Mounting on 35 mm Rail 6-32 Amps	✓	✓	✓			
B32	Rear / Base Mounting, Door Interlock + Rectangular Padlock (B30+B42)		✓	✓	✓	✓	✓
B34	Rear / Base Mounting, Door Interlock + Round Padlock (B33+B42)		✓	✓	✓	✓	✓
B41	Rear Mounting with Clutch Mechanism on Door (Door Open in all position without Interlock)		✓	✓	✓	✓	✓
B42	Rear Mounting with Interlock Mechanism on Door		✓	✓	✓	✓	✓
F47	Door Clutch, Mounting Plate at front		✓	✓	✓	✓	✓
B17	ABS Enclosure	upto 4	upto 3	upto 5	upto 5		
B31	ABS Enclosure with Round Padlock (B33+B17)		upto 2	upto 2	upto 2		
M17	Metal Enclosure	upto 4	upto 4	upto 3			
A17	Aluminium Enclosure	upto 4	upto 3	upto 2			
B40	Single Hole Mounting with Padlock 48 x 48 Plate For 16-32A		✓	✓			
B43	Single Hole Mounting with Center key 48 x 48 Plate for 16-32A		✓	✓			
B45	Single Hole Mounting with Round Ring with Knob 16A-32A		✓	✓			

Single Hole Mounting Rotary Switch

Single hole mounting (SHM) range of rotary switches uses a unique mounting concept that requires just a single Ø22.5 cutout to mount the switches on the panel. These help in reducing the time and cost during assembly.



Benefits:

- **Single hole panel cutout** - makes easier for fitting on the panel
- **Easy mounting** - reduces assembly time by 50% over conventional 5 hole mounting
- **Wiring accessibility** - reduces wiring time, the switch can be wired separately and then snap fitted to the mounting assembly using the locking lever.

EB - GEN Changeover Switches [8536]

3 Pole EB - GEN Changeover Switches



B13 Mounting

Description	Cat. No.	M.R.P. (₹) Per Unit						
		25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
3 Pole C/O Front Panel Mounting	EBX31153B13BGYR	2372	2470	2881	2998	*	*	*
3 Pole C/O Rear Mounting	EBX31153MB42BGYR	2751	2851	3319	3422	6117	7653	9560
3 Pole C/O in SS Enclosure	EBX31153SB31BGYR	3290	3379	3911	4027	*	*	*
3 Pole C/O Rear Mounting	EBX31153B21BGYR	2751	2851	3319	3422	6117	7653	9560
3 Pole C/O Rear Mounting	EBX31153MB34LHGB	2751	2851	3319	3422	6117	7653	9560
3 Pole C/O in Polycarbonate Enclosure	EBX31153B31LBGYR	3290	3379	3911	4027	*	*	*
3 Pole C/O in SS Enclosure	EBX31153SB31XLLHYR	*	*	*	*	8645	10170	12077

4 Pole EB - GEN Changeover Switches



MB42 Mounting

Description	Cat. No.	M.R.P. (₹) Per Unit						
		25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
4 Pole C/O Front Panel Mounting	EBX31154B13BGYR	2751	2851	3379	3478	*	*	*
4 Pole C/O Rear Mounting	EBX31154MB42BGYR	3099	3219	3800	3972	7715	9653	12058
4 Pole C/O in SS Enclosure	EBX31154SB31BGYR	3668	3810	4420	4577	*	*	*
4 Pole C/O Rear Mounting	EBX31154B21BGYR	3099	3219	3800	3956	7715	9653	12058
4 Pole C/O Rear Mounting	EBX31154MB34LHYR	3099	3219	3800	3956	7715	9653	12058
4 Pole C/O in Polycarbonate Enclosure	EBX31154B31LBGYR	3668	3810	4420	4577	*	*	*
4 Pole C/O in SS Enclosure	EBX31154B31XLLHYR	*	*	*	*	10241	12166	14586

Rating Selection Table



SB31 Enclosure

Ampere (A)	Code (□)
25	E
32	F
40	G
63	I

Note : SB 31 Enclosure for 25A to 63A ratings.

B21 Mounting model is similar to B13 model with links provided on the common side.

*** - Please contact nearest E&A branch office.

Load Break Switches [8536]

AC ON LOAD ISOLATORS

- AC 23 Utilization category
 - Range from 16-125 Amps upto 8 pole
 - Multiple mounting options, ABS / Aluminium sheet steel enclosures / IP65 / NEMA Rated
 - Add on pole Power / Neutral & Auxiliary pole
 - Changer switches from 25-125 Amps upto 4 poles
- Confirms to IEC 60947-1 & 3, EN 60947-3, UL60947-4-1



LB 3 Pole ON - OFF Switches

Description	Cat. No.	Can also be given on request	M.R.P. (₹) Per Unit								
			16A (C)	20A (D)	25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
Single Hole MTG Switch with Flag Knob	LBX32300B19FPYR		814	831	*	*	*	*	*	*	*
Front Plate MTG with Flag Knob	LBX32300B40FPYR		792	814	*	*	*	*	*	*	*
Front Panel MTG with B03 (48x48) Plate	LBX32300B03FLYR	32309	724	741	803	831	954	1024	*	*	*
Front Panel MTG with B13 (64x64) Plate with Flag Knob	LBX32300B13FLYR	32306 / 32309	724	741	803	831	954	1024	2589	3248	4079
Front Panel MTG with B13 (64x64) Plate with BG Handle	LBX32300B13BGYR	32309	*	*	882	913	1033	1092	*	*	*
DIN Rail MTG Switch with Flag Knob	LBX32300B23FLGB		*	*	803	831	954	1024	*	*	*
Rectangular Pad Lock Switch with TDYR	LBX32300B30TDYR		*	*	971	1024	1123	1181	*	*	*
Round Pad Lock Switch with RDYR	LBX32309B33RDYR		792	813	882	913	1033	1092	2807	3503	4378
Switch with B63 Lock & Key Version	LBX32309B63TDYR		*	*	1342	1403	1520	1561	*	*	*
Base MTG Switch with DIL and Pad Lock	LBX32309MB34RDYR		1264	1303	1403	1480	1542	1660	3739	4668	5836
Base MTG Switch with BG Handle	LBX32309MB42BGYR		1264	1303	1403	1480	1542	1660	3739	4668	5836
Switch in Polycarbonate Enclosure - in B31SM	LBX32300B31SMRDYR		1604	1652	1784	1830	*	*	*	*	*
Switch in Polycarbonate Enclosure - in B31M	LBX32309B31MRDYR		*	*	*	*	2001	2052	*	*	*
Switch in Polycarbonate Enclosure - in B31L with Leech Handle	LBX32309SB31LLHYR		*	*	*	*	*	*	5266	6207	7365
Switch in SS Enclosure - in SB31L with Leech Handle	LBX32309SB31LLHYR		*	*	*	*	*	*	5266	6207	7365

LB 4 Pole ON - OFF Switches

Description	Cat. No.	Can also be given on request	M.R.P. (₹) Per Unit								
			16A (C)	20A (D)	25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
Single Hole MTG Switch with Flag Knob	LBX32400B19FPYR		1011	1033	*	*	*	*	*	*	*
Front Plate MTG with Flag Knob	LBX32400B40FPYR		993	1011	*	*	*	*	*	*	*
Front Panel MTG with B03 (48x48) Plate	LBX32400B03FLYR	32409	922	943	1025	1053	1233	1303	*	*	*
Front Panel MTG with B13 (64x64) Plate with Flag Knob	LBX32400B13FLYR	32406 / 32409	922	943	1025	1053	1233	1303	3178	3987	4996
Front Panel MTG with B13 (64x64) Plate with BG Handle	LBX32400B13BGYR	32409	*	*	1104	1134	1313	1373	*	*	*
DIN Rail MTG Switch with Flag Knob	LBX32400B23FLGB		*	*	1025	1053	1233	1303	*	*	*
Rectangular Pad Lock Switch with TDYR	LBX32400B30TDYR		*	*	1191	1242	1400	1463	*	*	*
Round Pad Lock Switch with RDYR	LBX32409B33RDYR		993	1011	1104	1134	1313	1373	3248	4055	5069
Switch with B63 Lock & Key Version	LBX32409B63TDYR		*	*	1561	1623	1799	1799	*	*	*
Base MTG Switch with DIL and Pad Lock	LBX32409MB34RDYR		1463	1502	1623	1700	1823	1942	4330	5406	6755
Base MTG Switch with BG Handle	LBX32409MB42BGYR		1463	1502	1623	1700	1823	1942	4330	5406	6755
Switch in Polycarbonate Enclosure - in B31SM	LBX32400B31SMRDYR		1799	1852	2001	2050	*	*	*	*	*
Switch in Polycarbonate Enclosure - in B31M	LBX32409B31MRDYR		*	*	*	*	2279	2331	*	*	*
Switch in Polycarbonate Enclosure - in B31L with Leech Handle	LBX32409SB31LLHYR		*	*	*	*	*	*	5858	6944	8286
Switch in SS Enclosure - in SB31L with Leech Handle	LBX32409SB31LLHYR		*	*	*	*	*	*	5858	6944	8286
Auxiliary Contact	FM / RM		204	204	250	250	250	250	741	741	741
Add-on Contact Additional Pole	FM / RM		209	218	235	263	306	330	865	1068	1189

Note : Standard packing upto 63A switches is 5 Nos.

Ordering Code for Load Break and Changeover Switches

LB Load Break Switch	.. Switch Rating	XXXXX Programme Code	XXXXX Mounting Options	XX Knob Options	XX Colour
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Example

LB Switches, 63A, 3P, 9 O'clock, 4 hole front mounting, with metal shaft, yellow front plate, red round knob

LB I 32309 MB34 RD YR

LB	I	32309	MB34	RD	YR	Description
						Yellow Front Plate/ Red Knob
						64 x 64 Front Plate Round Knob with Padlock (R)
						Metal Shaft with Round Knob with Padlock and Interlock
						3Pole 9 O' Clock "OFF"
						63A
						Load Break Switch

Accessories

LB X Switch Rating	X F-Front Mounting R-Rear Mounting	XX MC-Main Module NC-Neutral Module AC-Auxiliary Module	XXX 20 - 16A to 20A 32 - 25A to 32A 63 - 40A to 63A 80 - 80A 125 - 100A, 125A & 80A
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LB	I	R	NC	32	Description
					32A
					Neutral Module
					Rear Mounting
					63 A
					Load Break Switch

Rating Selection Table

Ampere (A)	Code (□)
16	C
20	D
25	E
32	F
40	G
63	I
80	J
100	K
125	L

*** Note : Please contact nearest E&A branch office.

Cable Ducts [8538]

PVC Cable Ducts

• All ducts are ROHS compliant and FRLS

• Also available in Zero Halogen

Type A



Specially designed profiles of duct and cover for fast and efficient locking.

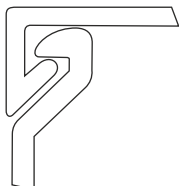


A Type

- * Snap fit cover
- * Easy to remove

Description	1 meter				2 meter			
H x W	Cat. No.(Standard slot Grey)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty	Cat. No.(Standard slot Grey)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty
A 15 x 15	WWA1515SG	65	100	100	WWA1515SG2	130	64	64
A 15 x 25	WWA1525SG	90	100	100	WWA1525SG2	179	64	64
A 25 x 25	WWA2525SG	108	70	70	WWA2525SG2	216	48	48
A 30 x 25	WWA3025SG	119	70	70	WWA3025SG2	239	48	48
A 40 x 30	WWA4030SG	149	75	75	WWA4030SG2	299	32	32
A 45 x 25	WWA4525SG	151	75	75	WWA4525SG2	303	40	40
A 45 x 30	WWA4530SG	152	50	50	WWA4530SG2	305	32	32
A 45 x 45	WWA4545SG	193	50	50	WWA4545SG2	385	18	18
A 45 x 60	WWA4560SG	233	50	50	WWA4560SG2	466	12	12
A 60 x 25	WWA6025SG	193	50	50	WWA6025SG2	385	18	18
A 60 x 45	WWA6045SG	227	50	50	WWA6045SG2	453	18	18
A 60 x 60	WWA6060SG	269	32	32	WWA6060SG2	538	12	12
A 60 x 120	WWA60120SG	915	18	90	WWA60120SG2	1829	8	80
A 75 x 45	WWA7545SG	282	40	40	WWA7545SG2	564	12	12
A 75 x 75	WWA7575SG	397	32	32	WWA7575SG2	793	12	12
A 80 x 80	WWA8080SG	444	25	25	WWA8080SG2	888	12	12
A 100 x 100	WWA100100SG	717	18	18	WWA100100SG2	1434	8	40

Type B



Non slip cover design of minimum encumbrance and maximum grip



B Type

- * Non - slip cover
- * Positive locking

Description	1 meter				2 meter			
W x H	Cat. No. (Standard slot)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty	Cat. No. (Standard slot)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty
B 25 x 25	WWB2525SG	116	70	70	WWB2525SG2	233	36	36
B 25 x 30	WWB2530SG	124	100	100	WWB2530SG2	247	36	36
B 25 x 40	WWB2540SG	151	75	75	WWB2540SG2	303	36	36
B 25 x 45	WWB2545SG	157	75	225	WWB2545SG2	313	36	108
B 25 x 60	WWB2560SG	199	50	50	WWB2560SG2	398	18	18
B 25 x 80	WWB2580SG	270	50	50	WWB2580SG2	540	18	18
B 25 x 100	WWB25100SG	343	25	25	WWB25100SG2	686	18	18
B 30 x 20	WWB3020UG	151	100	200	WWB3020UG2	303	36	180
B 30 x 80	WWB3080SG	374	50	200	WWB3080SG2	748	18	90
B 40 x 40	WWB4040SG	199	50	50	WWB4040SG2	398	18	18
B 45 x 45	WWB4545SG	206	50	50	WWB4545SG2	412	18	18
B 40 x 60	WWB4060SG	241	50	50	WWB4060SG2	482	18	18
B 40 x 80	WWB4080SG	285	50	50	WWB4080SG2	571	18	18
B 40 x 100	WWB40100SG	358	25	25	WWB40100SG2	717	12	12
B 45 x 20	WWB4520UG	158	75	225	WWB4520UG2	315	36	180
B 50 x 100	WWB50100SG	412	30	90	WWB50100SG2	824	12	60
B 60 x 20	WWB6020UG	216	50	200	WWB6020UG2	433	18	90
B 60 x 40	WWB6040SG	241	50	50	WWB6040SG2	482	18	90
B 60 x 60	WWB6060SG	285	50	50	WWB6060SG2	571	12	12
B 60 x 80	WWB6080SG	371	40	40	WWB6080SG2	742	12	12
B 60 x 100	WWB60100SG	488	30	30	WWB60100SG2	976	8	8
B 72 x 64	WWB7264SG	343	32	96	WWB7264SG2	686	18	90
B 75 x 75	WWB7575SG	482	32	96	WWB7575SG2	964	8	40
B 75 x 100	WWB75100SG	504	25	75	WWB75100SG2	1007	8	40
B 80 x 40	WWB8040SG	291	50	100	WWB8040SG2	583	12	60
B 80 x 60	WWB8060SG	385	40	80	WWB8060SG2	770	12	60
B 80 x 80	WWB8080SG	480	32	32	WWB8080SG2	960	12	12
B 80 x 100	WWB80100SG	539	24	24	WWB80100SG2	1077	8	8
B 100 x 60	WWB10060SG	459	30	30	WWB10060SG2	919	8	8
B 100 x 80	WWB10080SG	539	25	25	WWB10080SG2	1077	8	8
B 100 x 100	WWB100100SG	785	18	18	WWB100100SG2	1570	8	8
B 120 x 80	WWB12080SG	763	18	90	WWB12080SG2	1526	8	40
B 150 x 100	WWB150100SG	981	12	48	WWB150100SG2	1961	4	40
B 150 x 150	WWB150150SG	2131	8	80	WWB150150SG2	4262	2	40

Note : 1) For any special colour request additional 10% will be charged on price. For cut length additional 10% will be charged.

2) Thin / Unslot will be supplied on request. For thin slot replace the cat. number ending with SG by TG.

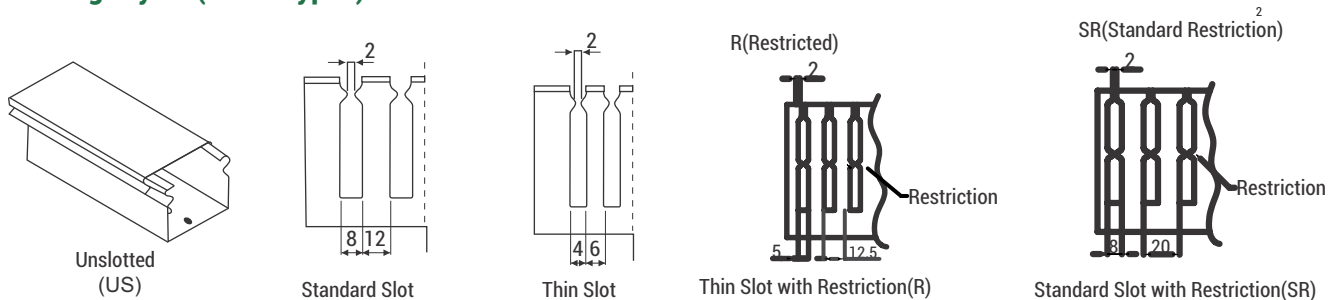
For un slotted channel replace the cat. number ending with SG by UG. MRP will be same as standard slot.

Covers for FRLS Cable Duct

(Cable duct comes with default covers, following are spare offerings)

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Cover for 15 mm A type	CCA15SG	30
	Cover for 25 mm A type	CCA25SG	47
	Cover for 30 mm A type	CCA30SG	57
	Cover for 45 mm A type	CCA45SG	89
	Cover for 60 mm A type	CCA60SG	107
	Cover for 75 mm A type	CCA75SG	135
	Cover for 80 mm A type	CCA80SG	160
	Cover for 100 mm A type	CCA100SG	196
	Cover for 25 mm B type	CCB25SG	49
	Cover for 30 mm B type	CCB30SG	59
	Cover for 40 mm B type	CCB40SG	74
	Cover for 45 mm B type	CCB45SG	91
	Cover for 50 mm B type	CCB50SG	110
	Cover for 60 mm B type	CCB60SG	110
	Cover for 72 mm B type	CCB72SG	139
	Cover for 75 mm B type	CCB75SG	139
	Cover for 80 mm B type	CCB80SG	166
	Cover for 100 mm B type	CCB100SG	202
	Cover for 120 mm B type	CCB120SG	216
	Cover for 150 mm B type	CCB150SG	252

Slotting Styles (A & B Types)



DC Switches

- Available from 16A to 500A
- Used for railway coaches lighting & fan circuits switching, all DC power circuits - Railways, Telecommunications & Power plants, Battery charging equipment
- Please contact nearest branch office for prices



These products are manufactured by

salzer

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We reserve the right to make changes, without prior notice, in the catalogue.

Products with CAT no. having, with or without, dot as suffix are same.

Panel Mounted Earth Leakage Relay with CBCT



A Reliable Safety Device for Protection Against Earth Leakages

- Seven segment LED display for Earth Leakage indication
- Pre-alarm indication on 60% of leakage current setting with dedicated 1C/O + Earth leakage fault indication with 1 C/O.
- Discrete LED indication for Power ON, Alarm and Fault.
- 19 levels of current settings using combination of potentiometer and dip switches on the front facia.
- Wide range of earth leakage current 30 mA to 30 A
- Nano Crystalline CBCT measures the leakage current to the highest accuracy
- Available with RS485 port

ULTIMATE DIGITAL VOLTAGE MONITORING RELAY WITH ADVANCED NEUTRAL LOSS FEATURE



SWITCH TO DIGITAL VOLTAGE MONITORING RELAY-SM800

- Equipped to detect neutral loss, phase asymmetry, phase sequence, OV and UV
- Best Suited for 3 Phase (3W/4W) system with voltage range of 145-500V AC
- Configurable power on delay, off delay & on delay
- Flexible to adapt to specific application needs.
- Stores last five fault history and can also be enabled for password protection
- Configurable output (1&2 C/O) contact for energizes to trip or de-energizes to trip

Timing Devices, Supply Monitors & ELR

Timers [9107]

Micon 175 	Type	Time	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	ON Delay	0.3 sec - 30 hrs	240 VAC/24 VAC/DC	1 C/O	12ODT4	770
			110 VAC/24 VAC/DC		11ODT4	1230
			12 VDC		15ODT4	1005
	ON Delay & Interval	0.1 sec - 100 hrs	240 VAC/24 VAC/DC	1 C/O	12WDTC	980
	Star Delta Timer	3 sec - 120 sec	240 VAC	1 NO (Star)+1 NO (Delta)	12SDT0	870
		3 sec - 30 sec	240 - 415 VAC	1 C/O (Star)+1 C/O (Delta)	14SDT1S	1295
	Signal OFF Delay	0.3 sec - 30 hrs	240 VAC/24 VAC/DC	1 C/O	12RDT4	925
		0.3 sec - 30 hrs	12 VDC		15DDT4	1005
	Multifunction Timer	0.1 sec - 100 hrs	12 - 240 VAC/DC	1 C/O	1CMDT0	1570
				2 C/O	1CMDTF	1670
	Asymmetrical ON/OFF & OFF/ON	0.1 sec - 100 hrs	12 - 240 VAC/DC	1 C/O	1CJDT0	1570
	One Shot	0.3 sec - 30 hrs	110 VAC/24 VAC/DC	1 C/O	11BDT4	1170
			240 VAC/24 VAC/DC		12BDT4	1170
			12 VDC		15BDT4	1230
	Forward Pause Reverse Timer	ON time : 6 sec - 60 min Pause time : 0.1 sec - 200 sec	12 - 240 VAC / DC	2 C/O	1CZDTF	1670

Pause time for Micon 175 star delta timer is 60 msec

1CMDT0 contains ON Delay, Impulse, Signal ON delay, Cyclic ON/OFF, Cyclic OFF/ON, Signal OFF Delay, Signal OFF/ON, Accumulative Delay ON signal, Impulse ON/OFF, Leading edge impulse, Trailing edge impulse, Leading edge Bistable

Micon 225   	Type	Timing Range	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	ON Delay	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2AODT5	1430
	Star Delta Timer	3 sec - 120 sec	24 - 240 VAC/DC	1 NO (Star)+1 NO (Delta)	2ASDT0	1500
			240 - 415 VAC		2BSDT0	1765
	Multifunction Timer	0.1s to 120 days	24 - 240 VAC/DC	2 C/O (1 Inst+1 Delayed)	2A8DT6	1605
	Multifunction Multirange	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2A5DT5	1590
			240 - 415 VAC		2B5DT5	1910
	Signal Base Multi function - Multirange	0.1 sec - 10 hrs	24 - 240 VAC/DC	1 C/O	2ANDT0	1685
	Multifunction Timer 6 Functions	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O (1 Inst+1 Delayed for 6th Mode)	2A6DT6	1700
			240 - 415 VAC		2B6DT6	1735
	True OFF Delay	0.6 sec - 600 sec	24 - 240 VAC/DC	2 C/O	23GDT0	2495
	Asymmetrical ON/OFF	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2AADT5	1800

Pause time for Micon 225 star delta timer is 60 msec, 90 msec, 120 msec, 150 msec

Major timing functions

2A5DT5, 2B5DT5, 2A6DT6* and 2B6DT6* contains ON Delay, Interval, Cyclic ON/OFF, Cyclic OFF/ON, One Shot, ON Delay, On Delay (1 Inst + 1 Delayed)*

2ANDT0 contains ON Delay, Interval, Signal ON Delay, Accumulative ON Delay, Signal OFF Delay, Signal OFF/ON Delay, Leading edge impulse

2A8DT6 contains ON Delay, Impulse, Signal ON delay, Signal OFF delay, Step mode, One shot, Interval, Cyclic ON/OFF, Cyclic OFF/ON, Signal OFF Delay, Accumulative

Digital Timer DIGICON 	Functions	Time	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	8 Functions	0.1 sec - 999 hrs	24 - 240 VAC/DC	1 C/O	V0DDTS	1695
			24 - 240 VAC/DC	2 NO	V0DDTD	1695
	18 Functions	0.1 sec - 999 hrs	24 - 240 VAC/DC	1 C/O	V0DDTS1	1920
			24 - 240 VAC/DC	2 NO	V0DDTD1	1920

V0DDTS and V0DDTD contains On Delay, Signal OFF Delay, Cyclic ON/OFF, Signal OFF/ON, Cyclic OFF/ON, Interval, Signal ON/OFF, One Shot output
V0DDTS1 and V0DDTD1 contains ON Delay, Cyclic OFF/ON, Cyclic ON/OFF, Impulse on energizing, Accumulative Delay ON Signal, Accumulative Delay on Inverted signal, Accumulative Impulse ON signal, Signal ON Delay, Inverted Signal On delay, Signal OFF Delay, Impulse ON/OFF, Signal OFF/ON, Leading edge impulse, Trailing edge impulse, Delayed impulse, Negative edge impulse.

Motor Restart Timer 	Type	Timer	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	Motor Restart Timer	Memory time Tm: 0.2 to 6 sec	110 VAC	1 C/O	23LDT0	1875
		Delay time Td: 0.2 to 60 sec	240 VAC		22LDT0	1875

Time Switches [9107]

FM1 / Quartz  150 Hrs Battery Backup	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	FM1 / Quartz Daily	110 VAC - 240 VAC Base/DIN Mounting	J648B1	2550

Digital Time Switch  Crono Pro Crono / Pulse	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	Time Switch (Crono)	110 - 240 VAC 1 C/O Base/DIN 25 ON/OFF Each	67DDT0	2370
		24 VDC 1 C/O Base/DIN 25 ON/OFF Each	6GHDT0	2735
		12 VDC 1 C/O Base/DIN 25 ON/OFF Each	69HDT0	2880
	Time Switch (Crono Pro)	110 - 240 VAC 2 C/O Base/DIN 50 ON/OFF Each	WT2DCDS	3185
	Time Switch (Pulse) *	110 - 240 VAC 1 C/O Base/DIN 16 Pulse	67DDT9	2565
		24V DC 1 C/O Base /Din 16 Pulse	6GHDT9	2895
		12V DC 1 C/O Base /Din 16 Pulse	69HDT9	3045

* For bell and siren application

Astro  Astro Pro Astro Mini	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	Astro Mini	110 - 240 VAC 1 Phase - 2W 1 C/O , Base/Din	T2DDT7	4415
	Astro Pro	110 - 240 VAC 1 Phase - 2W 2 C/O , Base/Din 50 ON/OFF Each	AS2DCDS	5505
	Astro	110 - 240 VAC 3 Phase - 4W 3 Channel 3 N/O , Base/Din	T3DDT0	10825

Note : Astro Mini / Astro Pro is used for lighting control based on sunrise / sunset timings by latitude / longitude settings.

Supply Monitoring Devices [9032]

- SPP includes single phasing, phase sequence and phase unbalance monitoring with auto reset

Voltage Monitoring Relay Series	Type	Supply Monitoring Type	Time delay	Asymmetry	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
 SM 301	SM301 (3Ph, 3W)	Single Phasing Preventor (SPP*) Fail Safe Type	ON Delay 2 sec and OFF Delay 7 sec	65 VAC Asymmetry	415 VAC, 1 C/O	MA51BC	1035
					415 VAC, 2 C/O	MC21B5	1510
				40 VAC Asymmetry	415 VAC, 1 C/O	MA51BK	1025
	SM301 (3Ph, 3W)	Phase loss monitoring Non Fail Safe Type	OFF Delay 500 msec and Recover Delay 2 Sec	30% Fixed	415 VAC, 1 C/O	MA59B5	1190
	 SM 500	Selectable Under Voltage + Selectable Over Voltage	Selectable ON Delay (0 to 15 min)	-	240 VAC, 1 C/O	MD71B9	1555
			Selectable ON Delay (0 to 15 sec)	-		MD71BH	1555
			Selectable OFF Delay (0 to 15 sec)	-		MD71BF	1825
		Single Phasing Preventor + Selectable Under Voltage + Selectable Over Voltage	Selectable ON Delay (0 to 15 min) & OFF Delay 5 sec	Phase Asymmetry 10% fixed	240 VAC, 2 C/O	MG73B9	1905
			Selectable ON Delay (0 to 15 sec) & OFF Delay 5 sec	Phase Asymmetry 10% fixed		MG73BH	1905
			Selectable OFF Delay (0 to 15 sec) & ON Delay 5 sec	Phase Asymmetry 10% fixed		MG73BF	1905
		SPP + UV/OV, with fixed UV (173 V) & OV (288 V)	Selectable ON (10 Sec) and OFF Delay (5 Sec)	Phase Asymmetry 20% fixed	415 VAC, 3 Ph 4W, 2 C/O	MG73BR	1905
		SPP + Selectable UV + Selectable OV with Neutral Loss Protection	ON Delay 5 sec and OFF Delay 5 sec, 500ms-1s for Neutral fail	94 VAC Asymmetry		MAC04 D0100	1905
 SM 501	SM501 (3 Ph, 3W)	SPP + Under Voltage (80% of $\frac{U_n}{\sqrt{3}}$)	Selectable ON Delay and OFF Delay 15 sec	Selectable Asymmetry (5% to 17%)	415 VAC, 2 C/O	MB53BM	1940
		Single Phasing Preventor + Selectable Under Voltage + Selectable Over Voltage	Selectable ON Delay 15 sec & OFF Delay 5 sec	Phase Asymmetry 10%		MG53BH	1940
			Selectable OFF Delay 15 sec & ON Delay 5 sec	Phase Asymmetry 10%		MG53BF	1940
			ON Delay 5 sec and OFF Delay 5 sec	65 VAC Asymmetry		MG53BI	1830
			ON Delay 3 min and OFF Delay 5 sec UV 85% of $\frac{U_n}{\sqrt{3}}$ OV 110% of $\frac{U_n}{\sqrt{3}}$	Phase Asymmetry 10%		MG53BO	1830
	SM 800 (3PH/ 3W, 4W)	Single Phasing Preventor+ Selectable Under Voltage + Selectable Over Voltage + Neutral Loss (Applicable for 3P4W).	Power ON Delay (0 to 999 sec) , OFF Delay (0.1 to 999 sec) & ON delay (0.5 to 999 sec)	Voltage: 5 to 99 VAC (Default 60V) , Percentage : 2 to 50% (Default 10%)	145-500 VAC (Line Voltage), 1C/O	DMS110	1910
					145-500 VAC (Line Voltage), 2C/O	DMS120	2020
					85-300 VAC/DC (Auxiliary Supply) (P-N), 2 C/O	DMA220	2230
	 SM 600 (MMR)	Phase loss+ Phase Sequence +Phase Asymmetry + UV + OV+3 phase interruption	Power ON delay (5s Fixed), ON delay (1-30 sec or Fixed), OFF delay (0.1 - 30 sec or Fixed)	Voltage +_ 1% of set value	500V - 1000V AC 2 C/O	SMB110	8985

Note: 3 Ph 3W - 3 Phase 3 Wire system; 3 Ph 4W - 3 Phase 4 Wire system.

 SM175 3 Ph, 3W  SM175 3 Ph, 4W	Type	Supply Monitoring Type	Time Delay	Asymmetry	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	SM175 (3 Ph, 3W)	Phase loss + Phase Sequence Monitoring	ON Delay 500 msec & OFF Delay 100 msec	–	208 - 480 VAC, 1 C/O (Steps of 208 - 220 - 380 - 400 - 415 - 440 - 480 VAC)	MK21D5	1225
			ON Delay 500 msec & OFF Delay 100 msec	Phase Asymmetry (30% fixed)		MC21D5	1225
			ON Delay 5 sec & OFF Delay 100 msec (0 to 15s Selectable)	Phase Asymmetry (5% to 15% variable)		MA21DN	1600
		Phase Loss + Phase Sequence + Under Voltage + Over Voltage monitoring (UV: -2% to -20% of 𐄂, OV: 2% to 20% of 𐄂)	ON Delay 5 sec and Selectable OFF Delay (0 to 15 sec)	–		MD21DF	1600
		Phase Loss + Phase Sequence + Under Voltage + Over Voltage (UV: -5% to -25% of 𐄂, OV: 5% to 25% of 𐄂)	Selectable ON Delay (0.5 to 15 sec) and OFF Delay 5 sec	Phase Asymmetry (10% fixed)		MG21DH	1790
			ON Delay 5s and Selectable OFF Delay (0 to 15 sec)			MG21DF	1790
	SM175 (3 Ph, 4W)	Phase loss+ Phase Sequence+ Under Voltage + Over Voltage (UV:-2% to -22% of 𐄂, OV: 2% to 22% of 𐄂)	Selectable ON delay (0 to 15 Sec), Selectable OFF delay (0 to 15 sec)	Phase Asymmetry (10% fixed)	120 to 277 VAC (3P, 4W), 1 C/O	MAG03D0424	1940
		Phase loss+ Phase Sequence+ Under Voltage + Over Voltage (UV:-5% to -25% of 𐄂 / 60% of 𐄂 (Fixed), OV: 5% to 25% of 𐄂 / 110% of 𐄂 (Fixed))			240 VAC (3P, 4W), 1 C/O	MAG03D0425	1940
		Phase loss+ Phase sequence+ Under Voltage + Over Voltage (UV:-5% to -25% / 80% of 𐄂 (Fixed), OV: 110% of 𐄂 (Fixed))	Selectable ON delay (0 to 15 sec/min), Selectable OFF delay (0 to 15 sec/min)	Phase Asymmetry (10% fixed/ 5% to 25% Selectable)	MAG03D0426	1940	
	SM175 (3 Ph, 3W)	Phase loss Monitoring	ON delay 750 msec & OFF delay 500 msec	Phase Asymmetry (30% fixed)	415 VAC, 1 C/O	MAG03D0427	1300

Current Monitoring relay (CMR)

- Microprocessor based relay protects against Overload, Phase reverse, Phase loss, Phase unbalance faults
- Auto/ Manual reset selection
- Fail- safe protection with inbuilt CT upto 45A
- Inverse time model with underload, locked rotor protection and selectable trip class (10A, 10, 20, 30)
- Definite time model with underload and selectable start and trip time

Current Monitoring relay  	Phase	Type	Current & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	3 Phase	Inverse Time Current Monitoring Relay	2 - 5A 1 C/O	17A422CB0	2185
			3 - 9A, 1 C/O	17A122CB0	
			8 - 24A, 1 C/O	17A222CB0	
			15 - 45A, 1 C/O	17A322CB0	
		Definite Time Current Monitoring Relay	2 - 5A 1 C/O	17B422AA0	
			3 - 9A, 1 C/O	17B122AA0	
			8 - 24A, 1 C/O	17B222AA0	
			15 - 45A, 1 C/O	17B322AA0	
		Definite Type / Instant Trip	2 - 5A 1 C/O	17B422PA0	
	1 Phase	Inverse Time Current Monitoring Relay	2 - 5A 1 C/O	17C412EB0	2135
			3 - 9A, 1 C/O	17C112EB0	
			8 - 24A, 1 C/O	17C212EB0	
			15 - 45A, 1 C/O	17C312EB0	
		Definite Time Current Monitoring Relay	2 - 5A 1 C/O	17D412DA0	
			3 - 9A, 1 C/O	17D112DA0	
			8 - 24A, 1 C/O	17D212DA0	
			15 - 45A, 1 C/O	17D312DA0	

Insulation Monitoring Relay 	Type	Description	Cat. No.	M.R.P. (₹) Per Unit
	SM 1000 1P, 3P(3W/4W)	Insulation resistance monitoring relay for IT systems suitable for system voltage up to 520V. Adjustable from 1-100KΩ with 2C/O ■	IMR520	8085

PTC Thermistor Relay Series 	Relay Type	Description	Cat. No.	M.R.P. (₹) Per Unit
	Thermistor Relay	110 - 240 VAC, 2 C/O	MJ83BK	2120
		220 - 440 VAC, 2 C/O	MJ93BK	2140
		24 VAC/DC, 2 C/O	MJA3BK	2480
		110 - 240 VAC, 1 C/O	MJ81BK	1960
		220 - 440 VAC, 1 C/O	MJ91BK	1990

Electro Mechanical Timers [9107]

	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	EM 1000 ON Delay Auto Reset Synchronous Timer Single Range		B□□□□□	Table-1
	EM 1000		B□□□□□	
	Timing Ranges(SR)		Delay	
	B 0.15 - 3.0 sec C 1.5 - 30 sec D 0.15 - 3.0 min E 1.5 - 30 min F 0.15 - 3.0 hrs G 1.5 - 30 hrs H 0.3 - 6.0 sec J 3.0 - 60 sec K 0.3 - 6.0 min L 3.0 - 60 min M 0.3 - 6.0 hrs N 3.0 - 60 hrs P 0.6 - 12 sec Q 6.0 - 120 sec R 0.6 - 12 min S 6.0 - 120 min T 0.6 - 12 hrs V 6 - 120 hrs		1 Standard ON delay 2 With 'NO VOLT'	*295
	Timing Ranges (MR)		Mounting	
X 0.15 sec - 3.0 hrs Y 0.3 sec - 6.0 hrs Z 0.6 sec - 12.0 hrs		B Base Mounting F Flush (door) Mtg.		
Voltage		Contact		
3 110 VAC 50 Hz 4 240 VAC 50 Hz C 110 VAC 60 Hz D 240 VAC 60 Hz		1 1 Inst + 1 Del C/O 2 1 Inst + 2 Del C/O	*285	
*Add to basic Price. Contact : 240 VAC 6A (Resistive)				

Table - 1

Single Range (SR) (In sec/min/hrs)	M.R.P. (₹) Per Unit for Single Range (SR) (In sec/min/hrs)	Multi Range (MR) with 5 Ranges	M.R.P. (₹) Per Unit
0.15 - 3	4780	0.15 sec - 3 hrs	5675
0.3 - 6		0.3 sec - 6 hrs	
0.6 - 12		0.6 sec - 12 hrs	
1.5 - 30			
3.0 - 60			
6.0 - 120			

Hour Meter & Counter [9029]

Hour Meters



Product Description	Cat. No.	M.R.P. (₹) Per Unit
HM36, 85 - 265 VAC Flush Mounting	LA25F1	800
HM 36, 10 - 80 VDC Flush Mounting	LD17F1	1215
HM36, 92 - 264 / 270 - 460 VAC Base - DIN Mounting	30A6B1	875
HM36, 10 - 80 VDC Base/DIN Mounting	30D1B1	1215
Digital Hour Meter/Digital Counter (Resettable)	Z□□FB□	1455

Hour Meter / Counter

Z□□FB□	Voltage	Bezel
H 10 - 80 VDC	1 Hour Meter	A Round
7 85 - 265 VAC	2 Counter	B 24 x 48
J 12 - 48 VAC/DC		C Screw Mount

Earth Leakage Relay [9032]

Earth Leakage Relays



96 x 96 mm
Earth Leakage
Relay



DIN Mounted
Earth Leakage
Relay



CBCT



Rectangular CBCT

Current Range	Type	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
30mA - 30A	Panel mounted (96 x 96 mm) Earth Leakage Relay	110 - 240 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault)	17K716QF4N	3935
		110 - 240 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault) with RS 485	17K716QF4M	5655
		240 - 415 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault)	17K726QF4N	3935
		240 - 415 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault) with RS 485	17K726QF4M	5655
	DIN mounted Earth Leakage Relay	110 - 240 VAC, 110 VDC, Manual reset	17G715GF2	3595
		220 - 415 VAC, 220 VDC, Manual reset	17G745GF2	
		15 VDC, Manual reset	17G755GF2	
		110 - 240 VAC, 110 VDC, Auto reset	17G715KF2	
		220 - 415 VAC, 220 VDC, Auto reset	17G745KF2	
		15 VDC, Auto reset	17G755KF2	
	CBCT (moulded case) for Type A & AC Current	38 mm ID	17H7NNHN3	1235
		57 mm ID	17H7NNIN3	1670
		70 mm ID	17H7NNQN3	1895
		92 mm ID	17H7NNJN3	2075
		120 mm ID	17H7NNLN3	2165
		210 mm ID	17H7NNKN3	4080
	CBCT (moulded case) for Type AC Current	38 mm ID	17H7NNRN3	925
		57 mm ID	17H7NNVN3	1035
		70 mm ID	17H7NNSN3	1095
		92 mm ID	17H7NNTN3	1465
		120 mm ID	17H7NNUN3	1700
	Rectangular CBCT (moulded case) for Type AC Current	300 x 50 mm ID	17H9NNWN0	8150
		350 x 150 mm ID	17H9NNXN0	9910

CBCT for Type AC : For applications with sinusoidal alternating current from 30mA to 30 A.

CBCT for Type A and AC : For applications with sinusoidal alternating current (from 30mA to 30A) & pulsating DC current (from 30mA to 3A).

Please contact nearest branch office for requirements of higher dimension CBCTs.

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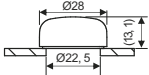
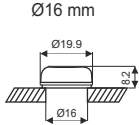
Modular Remote Control Units

Note: All Cat.No. to be ordered in multiple of Standard Packing : 10, Except for Push Button Stations.

Gen Next Series

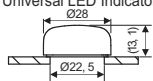
Gen Next LED Indicator [8531]

- Surface Mounted Device LED technology
- Low Power consumption < 1W
- Surge & Low Voltage Glow Protection (LVGP)

Gen Next Pro Ø22.5 mm in Cluster design  	Description	Cat. No.	Colour (4 th Digit)	Voltage (5 th , 6 th , 7 th & 8 th Digit)	M.R.P. (₹) Per Unit
	Gen Next Pro LED Indicator 22.5 mm	EPL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC 415A - 415 VAC	134 231 Blue & White 167 285 Blue & White
 	Gen Next LED Indicator 16 mm	SIL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110C - 110 VAC/DC 240A - 240 VAC	149 249 Blue & White

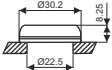
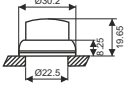
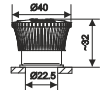
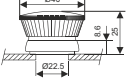
Note * - LED Indicator for Flame Proof Panel application available on request.

Universal LED Indicator [8531]

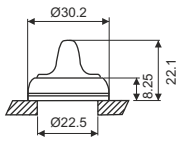
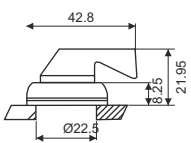
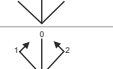
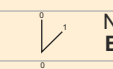
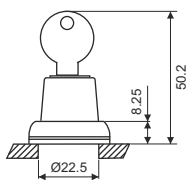
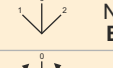
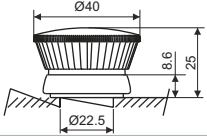
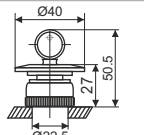
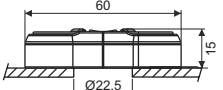
Gen Next Pro Ø22.5 mm Universal LED Indicator  	Description	Cat. No.	Colour (8 th Digit)	Voltage (9 th , 10 th , 11 th & 12 th Digit)	M.R.P. (₹) Per Unit
	Gen Next Pro Universal LED indicator	EPL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	224C-24 to 240V AC/DC	401 481 Blue & White

Gen Next Push Button & Selector Actuators Ø 22.5 mm [8538]

- Snap Mounting with compact contact blocks (EC1C & EC2C)
- Max 3 row x 3 column stackable contact blocks

 	Description	Cat. No.	Colour (4 th Digit)	M.R.P. (₹) Per Unit
	Flush Head	EMN□FD1	R-Red G-Green C-Black Y-Yellow W-White B-Blue A-Amber F-Gray	84
 	Projecting Head Push Function	EMN□PD1	R-Red G-Green C-Black Y-Yellow W-White B-Blue A-Amber F-Gray	85
 	Mushroom Head 'Push - Turn Function'	EMN□MH1	R-Red G-Green C-Black Y-Yellow	165
 	Mushroom Head 'Push - Function'	EMN□MD1	R-Red G-Green C-Black Y-Yellow	120

Gen Next Push Button & Selector Actuators Ø 22.5 mm [8538]

	Description	Cat. No.	Colour (4 th Digit)	M.R.P. (₹) Per Unit
 	Symmetric Head	2 Position  Non Spring Return EP09SK00□0000	R-Red G-Green C-Black W-White	237
		 Spring Return EP09SI00□0000		
		3 Position  Non Spring Return EP09SL00□0000		
		 Spring Return EP09SJ00□0000		249
		 Spring Return L. H. EP09SM00□0000		
		 Spring Return R. H. EP09SN00□0000		
 	Lever Head	2 Position  Non Spring Return EMN□LK1	R-Red W-White C-Black	237
		 Spring Return EMN□LI1		249
		3 Position  Non Spring Return EMN□LL1		
		 Spring Return EMN□LJ1		
		 Spring Return L. H. EMN□LM1		
		 Spring Return R. H. EMN□LN1		
 	Lock & Key Rotary Type	2 Position  Non Spring Return EP09KK00□0000	C-Black	340
		 Spring Return EP09KI00□0000		355
		3 Position  Non Spring Return EP09KL00□0000		
		 Spring Return EP09KJ00□0000		
		 Spring Return L. H. EP09KM00□0000		
		 Spring Return R. H. EP09KN00□0000		
 	Push Pull	EG02MG0□	R-Red	327
 	Mushroom Head Lock And Key Actuator	EG02MQ0R00	R-Red	370
 	Twin Touch with Black centre strip	EG02TD0I	—	168

	Note : 1. Actuators & Selector Actuators with black ABS collar are offered as Standard 2. Actuators (except Mushroom Head Push - Pull Actuators) are also available with chrome plated ABS & Brass collar Non-Illuminated Actuator - For PU Coated ABS Collar replace 7th digit 1 by 2 eg. : EMNPD[2] - For Brass Metal Collar replace 7th digit 1 by 3 eg. : EMNPD[3] (Please contact nearest branch office for MRP) Illuminated Actuator - For PU Coated ABS Collar replace 4th digit 3 by 5 eg. : EG0[5]*** - For Brass Metal Collar replace 4th digit 3 by 7 eg. : EG0[7]*** (Please contact nearest branch office for MRP)

Note * - In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style  replace 6th digit from K to T

Gen Next Illuminated Push Button Actuators [8531]

- Snap Mounting with compact contact blocks (EC1C & EC2C)

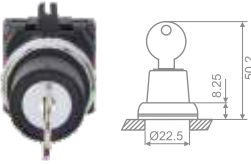
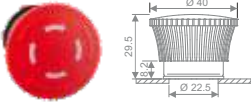
	Description	Cat. No.	Colour (8 th Digit)	Voltage (9 th , 10 th , 11 th & 12 th Digit)	M.R.P. (₹) Per Unit
	Flush Head	EG03FDL□□□□□	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	240
			B-Blue W-White		444 Blue and White
	Projecting Head (Push Function)	EG03PDL□□□□□	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	240
			B-Blue W-White		444 Blue and White
	Selector Actuator with LED holder	2 Position	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	352
		Non Spring Return EG03SKL□□□□□			
		Spring Return EG03SIL□□□□□			
		3 Position			
		Non Spring Return EG03SLL□□□□□			525 Blue and White
		Spring Return EG03SJL□□□□□			
	Twin Touch with Led Holder	EG03TDL□□□□□	Y- Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	301

Note* : 1) In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style , replace 6th digit from K to T.
2) Assembly comes with LED holder. Please order contact block EG08001G00 and EG08002R00 separately.

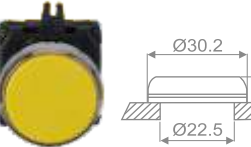
New GEN NEXT Meta - Metal Push Button & Selector Actuator [8538]

- Snap Mounting with compact contact blocks (EC1C & EC2C)

	Description	Cat. No.	Colour	M.R.P. (₹) Per Unit
	Flush head	EM27FD00□□00	R-Red	90
		EM27FD00□□00	G-Green	90
		EM27FD00□□00	C-Black	90
		EM27FD00□□00	Y-Yellow	90
		EM27FD00□□00	W-White	90
		EM27FD00□□00	B-Blue	90
		EM27FD00□□00	A-Amber	90
	Symmetric Head	2 Position	C-Black	
		Non Spring Return EM27SK00□□00 		270
		Spring Return EM27SI00□□00 		270
		3 Position		
		Non Spring Return EM27SL00□□00 		305
		Spring Return EM27SJ00□□00 		305
		Spring Return L.H. EM27SM00□□00 		305
		Spring Return R.H. EM27SN00□□00 		305

	Lock & Key	2 Position	C-Black	
		Non Spring Return EM27KK00□□00		370
		Spring Return EM27KI00□□00		370
		3 Position		
		Non Spring Return EM27KL00□□00		410
		Spring Return EM27KJ00□□00		410
		Spring Return L.H. EM27KM00□□00		410
		Spring Return R.H. EM27KN00□□00		410
	Mushroom Head-Push Turn	EM27MH00□□00	R-Red	205
		EM27MH00□□00	G-Green	205
	Mushroom Head-Push Function	EM27MD00□□00	R-Red	135

GEN NEXT Meta Illuminated Push Button Actuator [8531]

	Description	Cat. No.	Colour (8 Digit)	Voltage (9 , 10 , 11 & 12 Digit)	M.R.P. (₹) Per Unit
	Illuminated Flush head	EM28FD0□□□□□	R-Red	012C - 12 V AC/DC	310
			G-Green	024C - 24 V AC/DC	
			Y-Yellow	030C - 30 V AC/DC	
			A-Amber	048C - 48 V AC/DC	
			W-White	064C - 64 V AC/DC	640
			B-Blue	110A - 110 V AC	
				110D - 110 V DC	
				240A - 240 V AC	
				220D - 220 V DC	

Gen Next Modular Contact Blocks [8538]

	Description	Cat. No.	Colour	Voltage	M.R.P. (₹) Per Unit
	'NO' Block	EC1C	—	—	64
	'NC' Block	EC2C	—	—	64

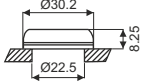
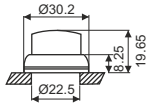
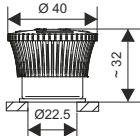
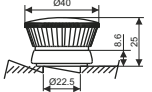
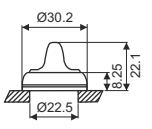
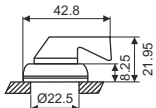
Spare for Gen Next Series [8531]

	Description	Cat. No.	Colour	Voltage	M.R.P. (₹) Per Unit
	LED Holder for Gen Next illuminated actuator series	EG08HOL□□□□□	R-Red	012C - 12 VAC/DC	175
			G-Green	024C - 24 VAC/DC	
			Y-Yellow	030C - 30 VAC/DC	
			A-Amber	048C - 48 VAC/DC	
			B-Blue	064C - 64 VAC/DC	351 Blue and White
			W-White	110A - 110 VAC	
				110D - 110 VDC	
				240A - 240 VAC	
				220D - 220 VDC	

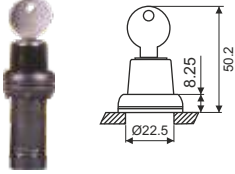
Note - Contact blocks and LED holder are same for Gen next and Gen next META series

Gen Next Integral Actuator [8536]

- With inbuilt contact arrangement
- Contact rating 6A @ 240AC

	Description	Cat. No.	Contact Configuration (3 rd Digit)	Colour (4 th Digit)	M.R.P. (₹) Per Unit
 	Flush Head	EE□□FD1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow	129
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	W-White B-Blue A-Amber C-Black	188
 	Projecting Head Push Function	EE□□PD1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow	129
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	W-White B-Blue A-Amber C-Black	188
 	Mushroom Head Push - Turn	EE□□MH1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow	189
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	C-Black	257
 	Mushroom Head Push - Function	EE□□MD1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow	160
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	C-Black	218
 	Symmetric Head Actuator	2 Position	1 - 1 NO 2 - 1 NC	R-Red G-Green W-White C-Black	260
		 Non Spring Return EE□□SK1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		320
		 Spring Return EE□□SI1			
		3 Position			
		 Non Spring Return EE□□SL1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		329
		 Spring Return EE□□SJ1			
		 Spring Return L. H. EE□□SM1			
 	Lever Head	2 Position	1 - 1 NO 2 - 1 NC	R-Red G-Green W-White C-Black	260
		 Non Spring Return EE□□LK1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		320
		 Spring Return EE□□LI1			
		3 Position			
		 Non Spring Return EE□□LL1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		329
		 Spring Return EE□□LJ1			
		 Spring Return L. H. EE□□LM1			
		 Spring Return R. H. EE□□LN1			

Gen Next Integral Actuator [8536]

	Description	Cat. No.	Contact Configuration (3 rd Digit)	Colour (4 th Digit)	M.R.P. (₹) Per Unit
	Lock & Key Rotary Type	2 Position	1 - 1 NO 2 - 1 NC	C-Black	334
		 Non Spring Return EE□□KK1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		399
		 Spring Return EE□□KI1			409
		3 Position			
		 Non Spring Return EE□□KL1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		
		 Spring Return EE□□KJ1			
		 Spring Return L. H. EE□□KM1			
		 Spring Return R. H. EE□□KN1			

Note * - In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style  replace 6th digit from K to T

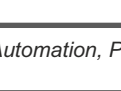
Panel Mounted Buzzer Ø 22.5 mm [8531]

- IP20 protection
- 80dB at 1 m distance
- Low Power consumption < 0.6W

	Description	Electrical Rating	Cat. No. Round Type	M.R.P. (₹) Per Unit
	22.5 mm Panel Mounted Buzzer Black colour	240 VAC	EG15R00C240A	304
		110 VAC	EG15R00C110A	304
		64 VAC/DC	EG15R00C064C	304
		48 VAC/DC	EG15R00C048C	304
		30 VAC/DC	EG15R00C030C	304
		24 VAC/DC	EG15R00C024C	304
		12 VAC/DC	EG15R00C012C	304

Gen Next Push Button Stations [8536]

- Dimension
- Single Station : 65 x 55 x 33 mm
 - Two Station : 100 x 55 x 53 mm
 - Three Station : 134 x 55 x 53 mm
 - Eight Station : 305 x 55 x 53 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC'	EP1FAC01	498
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO'	EP1FAB02	498
	Two Position Symmetric Head Selector Switch - Black with Legend - OFF / ON Contact - 1 'NO'	EP1FAF08	654
	Two Position Lock & Key Rotary Switch with Legend - OFF / ON Contact - 1 'NO'	EP1FAF12	723
	Mushroom Head Actuator 'Push Function' with Legend - STOP Contact - 1 'NC' for Stop	EP1FAC03	529

Gen Next Push Button Stations [8536]

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Mushroom Head Actuator 'Push Turn Type' with Legend - STOP Contact - 1 'NC' for Stop	EP1FAC05	645
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	EP2FAH0201	723
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC'		
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	EP2FAH0205	799
	Mushroom Head Actuator 'Push Turn Type' with Legend - STOP Contact - 1 'NC' (Station Two)		
	LED Indicator 240 VAC - Red (Station One)	EP3FAU1X0201	974
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station Two)		
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Three)		
	Flush Head Actuator - Green with Legend - FORWARD Contact - 1 'NO' (Station Two)	EP3FAR020102	913
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - REVERSE Contact - 1 'NO' (Station Three)		
	Flush Head Actuator - Green with Legend - UP Contact - 1 'NO' (Station Two)	EP3FAS020102	913
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - DOWN Contact - 1 'NO' (Station Three)		
	All 7 Flush Head Actuators with NO Contact & Mushroom Head Push Turn	EP8F02	2589
	8 Way push button pendant with hanging provision	EP8F04	2769
	Single Station Enclosure Box without Actuator	EP1FAA *	275
	Two Station Enclosure Box without Actuator	EP2FAA *	292
	Three Station Enclosure Box without Actuator	EP3FAA *	301
	Eight Station Enclosure Box without Actuator	EP8FAA *	504

- Note:** 1. All Gen next push button stations contains integral Actuators.
2. Only integral actuators can be used for converting Gen next enclosure boxes into Gen Next push button station.
3. For any other combination of actuators/indicators in push button stations please contact nearest branch office.
4. EP8F04 is available in single speed for crane application.
* Chapter ID : 8538.

Universal Push Button Stations (in ABS Engineering plastic body) [8536]

Dimension • Single Station : 75 x 75 x 56 mm • Two Station : 127 x 75 x 56 mm
• Three Station : 160 x 75 x 56 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC'	EWS1C01AC062	602
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO'	EWS1C01AC063	602
	Two Position Symmetric Head Selector Switch - Black with Laser Marking - OFF / ON Contact - 1 'NO'	EWS1C01AF064	795
	Illuminated Actuator - Green with Laser Marking - ON Contact - 1 'NO' - 240 VAC	EWS1C01AA070	710
	Two Position Lock & Key Rotary Switch with Laser Marking - OFF / ON Contact - 1 'NO'	EWS1C01AF065	899
	Mushroom Head Actuator 'Push Function' with Laser Marking - STOP Contact - 1 'NC' for Stop	EWS1C13AC054	640
	Mushroom Head Actuator 'Push Turn type' with Laser Marking - STOP Contact - 1 'NC' for Stop	EWS1C13AC051	722
	"Mushroom Head Actuator with Lock and Key on Yellow Cover, with Laser Marking - STOP, Contact - 1 'NC' for Emergency Stop"	EWS1C13AC066	879
	Push Button Station with Push Pull Emergency Switch, Red with 1 NC	EWS1C13AC069	780
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station One) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Two)"	EWS2C01AH045	869
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station One) Mushroom Head Actuator 'Push Turn Type' with Laser Marking - TOP Contact - 1 'NC'"	EWS2C01AH067	963
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station One) Mushroom Head Actuator 'Lock & Key Type' with Laser Marking - STOP Contact - 1 'NC'"	EWS2C01AH068	1137
	Pilot Light 240 VAC White (Station One) Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station Two) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Three)"	EWS3C01AH048	1177
	Flush Head Actuator - Green with Laser Marking - FORWARD Contact - 1 'NO' (Station One) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Two) Flush Head Actuator - Green with Laser Marking - REVERSE Contact - 1 'NO' (Station Three)"	EWS3C01BJ055	1104
	Flush Head Actuator - Green with Laser Marking - UP Contact - 1 'NO' (Station One) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Two) Flush Head Actuator - Green with Laser Marking - DOWN Contact - 1 'NO' (Station Three)"	EWS3C01AS055	1104

Universal Push Button Stations (in ABS Engineering plastic body) [8538]

Push Buttons Station Enclosure

- Dimension
- Single Station : 75 x 75 x 56 mm
 - Two Station : 127 x 75 x 56 mm
 - Three Station : 160 x 75 x 56 mm
 - Four Station : 215 x 75 x 70 mm
 - Five Station : 270 x 75 x 71 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Enclosure Grey-Black single hole	EWS1C01AA	350
	Enclosure Grey-Black & 2 hole of Ø 22.5	EWS2C01AA	454
	Enclosure Grey-Black & 3 holes of Ø 22.5	EWS3C01AA	556
	Enclosure Grey-Black & 4 holes of Ø 22.5	EWS4C01AA	781
	Enclosure Grey-Black & 5 holes of Ø 22.5	EWS5C01AA	902
	Enclosure Yellow-Black single hole	EWS1C13AA	350
	Enclosure Yellow-Black & 2 hole of Ø 22.5	EWS2C13AA	454
	Enclosure Yellow-Black & 3 holes of Ø 22.5	EWS3C13AA	556
	Enclosure Yellow-Black & 4 holes of Ø 22.5	EWS4C13AA	781
	Enclosure Yellow-Black & 5 holes of Ø 22.5	EWS5C13AA	902

All Purpose Enclosures [8538]

Dimension: 110 x 80 x 65 mm

 Note : with plastic screws	Description	Cat. No.	M.R.P. (₹) Per Unit
	All Grey without hole	HF999000	348
	All Grey & 1 hole of Ø 22.5	HF999001	348
	All Grey & 2 holes of Ø 22.5	HF999002	348

Note: Gen Next Series actuator and contact blocks can be used to convert all purpose enclosure box into push button stations.

Accessories and Spares [8538]

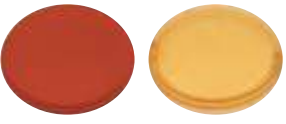
Metal Plates - Spare	Description	Cat. No.	M.R.P.(₹) Per Unit
	 Small	HH2420122	23
	 Large	HH2420124	23
	 Square	HH2420123	23

Note: Printing as per customer requirement

Fixing Device	Cat. No.	M.R.P. (₹) Per Unit
	HH192000	78

Plastic Plate	Cat. No.	M.R.P. (₹) Per Unit
 Yellow legend plate	HB135000	66
 Padlock Yellow (for Mushroom head Actuator)	HF192024	164
 Padlock Transparent (for Flush head Actuator)	HF192025	149
 Protecting Shroud for Emergency Push Button	HF195020A	76
 Protecting Shroud	HF195004	66

Shroud (Boot) for Actuator	Colour	Gen Next Actuator	
		Cat. No.	M.R.P. (₹) Per Unit
 (For IP67 protection of actuators)	White	HB17101	30
	Red	HB17301	
	Green	HB17401	
	Black	NA	
	Yellow	HB17501	
	Blue	HB17701	
	Amber	HB17801	
	Colourless	HB190003	37

Spare Lens Cap	Colour	Cat. No.		M.R.P. (₹) Per Unit
		Non Illuminated	Illuminated	
	Red	HB103002	HB103103	22
	Green	HB104000	HB104101	
	Black	HB102006	NA	
	Yellow	HB105008	HB105109	
	White/Opal	HB101004	HB101105	
	Blue	HB107010	HB107111	
	Orange	HB108012	HB108113	
	Colourless	NA	HB100107	

Note: It can be used for Gen Next.

Collar (For Flush/ Projecting Head)		Cat. No.	Colour	M.R.P. (₹) Per Unit
		HB196000	Chrome Plated 'ABS'	19
		HB192000	Black	19
		HB326000	Brass	64
Adaptor Ring * (For 30 to 22 mm in Panel Cutout conversion)		HH180000	Gray	28
		HH182004	Black	
		HH196006	Chrome Plated 'ABS'	
Blanking Plugs		HH180002	Gray	54
		HH182009	Black	
		HH196010	Chrome Plated 'ABS'	
Center Indication Strip (For Twin Touch Actuator)		HB102058	Black	54
		HB105163	Yellow	
		HB108169	Orange	
		HB100161	Colourless	

* It can be used to convert Gen Next actuator series to TK3 Ø30 mm mounting.

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Every effort as to the correctness or sufficiency of the information and data contained in the catalogue is made. We however cannot accept any liability for the accuracy or completeness of the information and data provided. No claims in this regard shall consequently be accepted.

We reserve the right to make changes, without prior notice, in the catalogue.

Products with CAT no. having, with or without, dot as suffix are same.

These products are manufactured by



General Terms

All prices are on maximum retail price basis inclusive of all duties, GST & any other Tax as applicable.

Prices are subject to revision without notice.

Warranty Policy

All the products listed in the price list carry a warranty, against manufacturing defects for a period of 18* months from the date of purchase.

Should the product prove to be defective due to faulty workmanship or otherwise, we will remedy the defect or replace the faulty parts or the whole product at our discretion, as soon as possible, free of cost.

The warranty is however subject to the provision of proper usage, efficient maintenance and does not cover defects arising out of fire, accident, inefficient maintenance, faulty operation and willful or accidental damage. It also does not cover damage to power electronic components like thyristors & IGBTs, which fail predominantly due to over-temperature & over-voltage. The user needs to take adequate precautions to eliminate these conditions. The manufacturer shall not be liable for any consequential loss, injury or damages attributable to defect or failure of its products.

Comprehensive Service Support

L&T Electrical & Automation (E&A) has over five decades of experience in providing after sales service for low voltage distribution system in every type of industry & commercial complex in India

E&A offers the following services, partnering you in your maintenance of low voltage distribution products:

- Regular Maintenance
- Preventive Maintenance Programme
- On Call
- Annual Maintenance Contract
- Product Support for Managing Obsolescence-
Retrofitting & Upgradation of your switchgear products

Get the Switchgear Training Edge!

Aimed at maximizing productivity, conserving energy, minimizing costs and enhancing safety, our Electrical & Automation training programmes have benefitted over 1.77 Lakh professionals in the last 30 years. These training programmes are highly beneficial as they provide right exposure and impart knowledge on selection, installation, maintenance and testing of Electrical & Automation Products.

So gain the advantage and go the extra mile with:

- 14 courses on contemporary topics
- Courses applicable to all switchgear brands
- Training Centers in Pune, Lucknow, Coonoor, Vadodara, Delhi & Kolkata
- Blend of theory and practical experience

The typical training programmes cover:

- Low Voltage & Medium Voltage Switchgear
- Switchboard Electrical Design
- AC Drives & Building Management Solutions
- Protective Relays & Earthing
- Power Quality Solutions

Please contact any of the training centres for participation and detailed training programme schedule.



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Bhosari, Pune - 411 026
Tel: 020 2712 0037 / 2712 0653
E-mail: stc-pune@Lntebg.com



Lucknow

L&T Electrical & Automation
Switchgear Training Centre
C-6 & 7, UPSIDC,
P. O. Sarojinagar,
Lucknow - 226 008
Tel: 0522 247 6015 / 97944 54455
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Delhi

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Mohan Cooperative Industrial Estate
Near Sarita Vihar / Mohan Estate Metro Station
Main Mathura Road, New Delhi - 110044
Tel: 9899020306, 9720186726, 9560845094
E-mail: stc-delhi@Lntebg.com



Coonoor

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The Nilgiris - 643 243
Tel. : 0423 251 7107
E-mail: stc-coonoor@Lntebg.com



Vadodara

L&T Electrical & Automation
Switchgear Training Centre
Behind L&T Knowledge City,
Near Village Ankhola,
Vadodara - 390019
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Kolkata

L&T Electrical & Automation,
Switchgear Training Centre,
2nd Floor, Block BN3, Sector V,
Salt Lake City,
Kolkata - 700091, West Bengal
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