

We touch your **electricity** everyday!



Price Schedule

Effective 23rd April, 2012

Low Voltage Components

LV Components Division

Power Distribution Components

Air Circuit Breakers : 630A~4000A

Moulded Case Circuit Breakers : 5A ~ 1200A

Switch Disconnect Fuses : 32A ~ 800A

Switch Disconnectors : 25A ~ 3150A

Compact Changeover & Bypass Switches : 63A ~ 3150A

HRC Fuse Links & Bases : up to 800A

Power Capacitor : Cylindrical 1~30 kVAR at 440V
Rectangular 1~50 kVAR at 440/525V



Power Control Components

robustTa Power Contactor: 9A ~ 800A

Mini Contactors : 9A ~ 16A

Capacitor Duty Contactors : 10kVAR ~ 60kVAR

Motor Protection Circuit Breakers : 32A ~ 100A

Control & Signalling Devices

Industrial Motor Starter up to 350HP

Submersible Pump Control Unit up to 57A

Industrial Plugs & Sockets: 3PIN & 5PIN, 16~63A



Final Power Distribution Components

Miniature Circuit Breakers :

Rating: 0.5~125A in 1P, 1P+N, 2P, 3P, 3P+N & 4P

Trip Type B, C & D

DC MCB : 1P & 2P; 0.5A ~ 63A

Isolator: Rating: 25~125A in 1P, 2P, 3P & 4P



Residual Current Circuit Breakers :

Complete range - 2P & 4 P 16/20/25/32/40/63/80/100A
in 30, 100 & 300mA

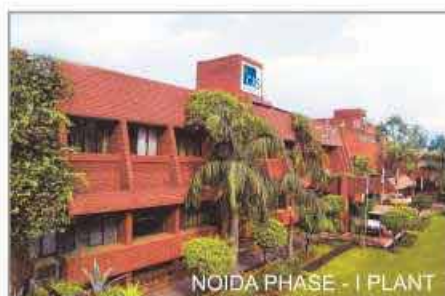
Distribution Boards :

Single Phase Neutral Horizontal Distribution Board

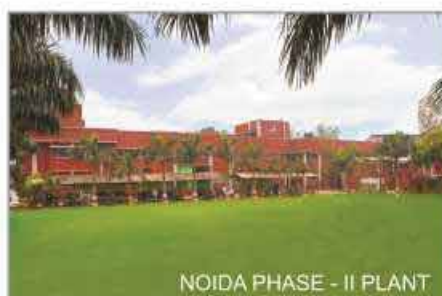
Single & Double Door - 4, 8, 12 & 16 ways

Three Phase Neutral Horizontal Distribution Board

Single & Double Door - 4, 6, 8, 12 & 16 ways with 8 way as the incomer



NOIDA PHASE - I PLANT



NOIDA PHASE - II PLANT



HARIDWAR PLANT

Price List

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Maximum Retail Price

Power Distribution Components

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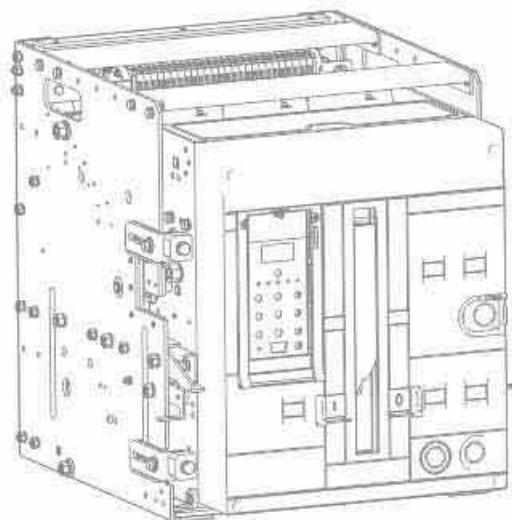
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Price List

Air Circuit Brakers | Control & Signalling Devices



General Terms & Conditions

Prices

Prices are subject to change without any prior notice and will be applicable as prevailing at the time of dispatch. Further prices are ex-works basis.

Taxes

The prices are exclusive of Central Sales Tax against applicable Concessional Sales Tax forms, VAT / Local Tax and other levies, which will be charged extra, as applicable, at the time of dispatch.

Duties

The prices listed are inclusive of Excise Duty / CVD at rates, as per present rules, and in the event of any variation in rates, rules and / or method of assessment of Excise Duty / CVD, the prices will be adjusted accordingly.

Warranty

All our listed Products carry a warranty, against manufacturing defects for a period of 12 months from the date of invoicing subject to it's usages in normal recommended operating conditions. The company liability shall be limited to exchange or repair of the product, at our discretion, provided that such defective products are returned to nearest Branch office.

Customer Care Contact

Single stop Customer Support for all service needs, please contact:

Customer Care Department

C&S Electric Ltd.

Low Voltage Components Division

222, Okhla Industrial Estate, Phase - III, New Delhi - 110 020

Phone: +91-11-3088 7498 Fax: +91-11-26484 8241

E-mail: customercare@cselectric.co.in

Website: www.cselectric.co.in

- ◆ POR - Price on request
- ◆ Products have been classified as Stockable & Non Stockable
Items: Non Stockable Items has been marked as 

Introducing

WiNmaster

630A to 4000A, 3 & 4 Pole



RoHS
Compliant

Circuit Breaker

- 630A to 4000 A
 - Frame-I: 630-2000A, 50/65kA
 - Frame-II: 2000-4000A, 65/80kA
- 3 & 4 Pole
- $I_{cs}=I_{cu}=I_{cw}$ (for 1sec)
- Versions: Manual/Electrical; Fixed/Draw out
- High Impulse Withstand 12kV
- Fastest opening & closing ACB- 30 & 40 ms respectively
- Clip-on type accessories – U/V, S/Trip, Motor & Closing coil
- Easy conversion: MDO to EDO Breaker
- Zone Selective Interlocking
- Common Height & depth
- Standardize Panel Cutout
- Busbar Termination: Horizontal, Vertical or Mixed
- Compliance to IEC 60947/IS13947-2.

Protections

- Multiple Release options:
 - Protection-O/L, S/C, Instant, Neutral E/Fault, E/Leakage, Voltage Unbalance & Reverse Power
 - Measurement - Current, Voltage, Power, Energy & Power Factor
 - Harmonics Filter - upto 31st order
 - Communication: RS485 port
Protocol : Modbus/Profibus

Intelligent Protection Release



MicroPro 3.1

- Overload protection
- Short Circuit Current protection
- Instantaneous Current protection
- Ground Fault protection
- In-built Thermal memory

MicroPro 4.1 / 5.1

- Overload & Short Circuit protection
- Instantaneous current protection
- Neutral & Ground Fault Protection
- Zone Selective Interlocking
- LCD display and fault LED retention in case of power failure
- Measure true RMS values of current (all three phase)
- In-built Thermal memory

MicroPro 6.1

- Overload & Short Circuit protection
- Instantaneous current protection
- Neutral & Ground Fault / Leakage Protection
- Under / Over voltage and frequency protection
- Phase sequence, Current /Voltage unbalance & Reverse Power Protection
- Zone Selective Interlocking.
- Measurement of V, I, P, Hz, kWh, kVAh, PF etc.
- In-built Thermal memory

MicroPro 7.1

- Overload & Short Circuit protection
- Instantaneous current protection
- Neutral & Ground Fault / Leakage Protection
- Under / Over voltage and frequency protection
- Phase sequence, Current /Voltage unbalance & Reverse Power Protection
- Zone Selective Interlocking
- Measurement of V, I, P, Hz, kWh, kVAh, PF & Harmonics
- In-built Thermal memory

Communication

- COM option in WINmaster with micropro 4.1, 5.1, 6.1 & 7.1
- Port: RS 485, Protocol: Modbus, Profibus* & Device net*
- * available with micropro 6.1 & 7.1 only

WiNmaster Air Circuit Breaker

Features :

- LSING Protection
- True RMS Sensing
- Thermal Memory
- Fault Indication
- LCD Display
- Current Measurement
- Voltage Measurement
- Zone Selectivity
- Communication through RS 485 Port
- Power Measurement
- Harmonics

LT Air Circuit Breaker with Intelligent Release MicroPro 4.1

WiNmaster breakers fitted with standard accessories, tabulated below, are included in the Prices mentioned in the subsequent tables.

Manual Fixed (MF)	Electrical Fixed (EF)	Manual Drawout (MDO)	Electrical Drawout (EDO)
- Microprocessor Release - Auxiliary Switch 4NO+4NC - Main CTs for 3 phase only - Terminal Type - Horizontal # - Power Supply Module	- Microprocessor Release - Auxiliary Switch 4NO+4NC - Main CTs for 3 phase only - AC/DC Charging Motor - Closing Coil - Shunt Trip - Micro Switches as required for electrical operation - Terminal Type - Horizontal# - Power Supply Module	- Microprocessor Release - Auxiliary Switch 6NO+6NC - Main CTs for 3 phase only - Safety Shutter - 48 Way auxiliary isolating contacts - Terminal Type - Horizontal upto 1600A & 2500A and vertical for 2000/3200/4000A - Power Supply Module	- Microprocessor Release - Auxiliary Switch 6NO+6NC - Main CTs for 3 phase only - Safety Shutter - 48 Way auxiliary isolating contacts - AC/DC Charging Motor - Closing Coil - Shunt Trip - Micro Switches as required for electrical operation - Terminal Type - Horizontal upto 1600A & 2500A and vertical for 2000/3200/4000A - Power Supply Module

Fixed 3 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MF	* EF
630	50kA	WM06N3P*MP4.1(S)	POR	POR
800	50kA	WM08N3P*MP4.1(S)		
1000	50kA	WM10N3P*MP4.1(S)		
1250	50kA	WM12N3P*MP4.1(S)		
1600	50kA	WM16N3P*MP4.1(S)		
2000	50kA	WM20N3P*MP4.1(S)		
630	65kA	WM06S3P*MP4.1(S)		
800	65kA	WM08S3P*MP4.1(S)		
1000	65kA	WM10S3P*MP4.1(S)		
1250	65kA	WM12S3P*MP4.1(S)		
1600	65kA	WM16S3P*MP4.1(S)		
2000	65kA	WM20S3P*MP4.1(S)		
2500	65kA	WM25S3P*MP4.1(S)		
3200	65kA	WM30S3P*MP4.1(S)		
4000	65kA	WM40S3P*MP4.1(S)		

Fixed 4 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MF	* EF
630	50kA	WM06N4P*MP4.1(S)	POR	POR
800	50kA	WM08N4P*MP4.1(S)		
1000	50kA	WM10N4P*MP4.1(S)		
1250	50kA	WM12N4P*MP4.1(S)		
1600	50kA	WM16N4P*MP4.1(S)		
2000	50kA	WM20N4P*MP4.1(S)		
630	65kA	WM06S4P*MP4.1(S)		
800	65kA	WM08S4P*MP4.1(S)		
1000	65kA	WM10S4P*MP4.1(S)		
1250	65kA	WM12S4P*MP4.1(S)		
1600	65kA	WM16S4P*MP4.1(S)		
2000	65kA	WM20S4P*MP4.1(S)		
2500	65kA	WM25S4P*MP4.1(S)		
3200	65kA	WM30S4P*MP4.1(S)		
4000	65kA	WM40S4P*MP4.1(S)		

Drawout 3 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MDO	* EDO
630	50kA	WM06N3P*MP4.1(S)	137840	176430
800	50kA	WM08N3P*MP4.1(S)	138350	176940
1000	50kA	WM10N3P*MP4.1(S)	144370	182250
1250	50kA	WM12N3P*MP4.1(S)	170710	202670
1600	50kA	WM16N3P*MP4.1(S)	179900	217580
2000	50kA	WM20N3P*MP4.1(S)	212270	247690
630	65kA	WM06S3P*MP4.1(S)	POR	POR
800	65kA	WM08S3P*MP4.1(S)		
1000	65kA	WM10S3P*MP4.1(S)		
1250	65kA	WM12S3P*MP4.1(S)		
1600	65kA	WM16S3P*MP4.1(S)		
2000	65kA	WM20S3P*MP4.1(S)	228400	266580
2500	65kA	WM25S3P*MP4.1(S)	287310	329170
3200	65kA	WM30S3P*MP4.1(S)	325900	332340
4000	65kA	WM40S3P*MP4.1(S)	423510	462100

Drawout 4 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MDO	* EDO
630	50kA	WM06N4P*MP4.1(S)	171830	214610
800	50kA	WM08N4P*MP4.1(S)	172340	215120
1000	50kA	WM10N4P*MP4.1(S)	179590	223090
1250	50kA	WM12N4P*MP4.1(S)	213390	251980
1600	50kA	WM16N4P*MP4.1(S)	230850	271690
2000	50kA	WM20N4P*MP4.1(S)	274750	313960
630	65kA	WM06S4P*MP4.1(S)	POR	POR
800	65kA	WM08S4P*MP4.1(S)		
1000	65kA	WM10S4P*MP4.1(S)		
1250	65kA	WM12S4P*MP4.1(S)		
1600	65kA	WM16S4P*MP4.1(S)		
2000	65kA	WM20S4P*MP4.1(S)	299460	348880
2500	65kA	WM25S4P*MP4.1(S)	348370	380120
3200	65kA	WM30S4P*MP4.1(S)	397990	413100
4000	65kA	WM40S4P*MP4.1(S)	517440	552870

For ACB communication through RS 485 Port, please refer Item no. 55 on page 18.

- Notes :
- 1) In TP ACB if Earth Fault facility is required, add price of Neutral CTs from item no. 2 on page 10.
 - 2) If Under Voltage Release is required, add price of UVT Coil from item no. 3 on page 10.
 - 3) While ordering an ACB, complete the catalogue reference by replacing '*' with ACB type: **MF** - Manual Fixed, **EF**-Electrical Fixed, **MD**- Manual Drawout, **ED**-Electrical Drawout
 - 4) All configured ACBs are non stockable. For further details please contact nearest branch office.
 - 5) ACBs with higher breaking capacities are also available on request.
 - 6) ACB with other protection release are also available please refer item no. 1 page 10
 - # ACB with Vertical terminal optional with adaptor are available on request.
 - Other options of terminals are available on request.

Winmaster Air Circuit Breaker

Main Accessories For Winmaster Air Circuit Breakers

(Please specify ACB rating & type while placing order)

1 Micro Processor- ACB Protection Release

Sl. No.	Description	Reference	Unit Price (₹)
1.1	MicroProcessor Based Micropro 3.1 Release (LSIG, Thermal Memory, Fault Indication)	WM-MicroPro 3.1	POR
1.2	MicroProcessor Based Micropro 5.1Release (LSING, Thermal Memory,ZSI, Communication RS 485 Port, Current Metering)	WM-MicroPro 5.1	POR
1.3	MicroProcessor Based Micropro 6.1Release (LSING, Earth Leakage Protection, Over and Under Protection for Voltage / Frequency, Voltage unbalance, ACB operation cycle counter, ACB contact indication wear)	WM-MicroPro 6.1	POR
1.4	MicroProcessor Based Micropro 7.1Release (all features as 6.1, harmonic measures and protection)	WM-MicroPro 7.1	POR

2 Single Phase Polyester Resin Cast CTs - In TP ACB, one additional CT will be required if, Ground Fault Protection is selected.

Sl. NO.	Description	Neutral CT	Unit Price (₹)
2.1	630/0.2A	WM-CT-06-N	2180
2.2	800/0.2A	WM-CT-08-N	2180
2.3	1000/0.2A	WM-CT-10-N	2300
2.4	1250/0.2A	WM-CT-12-N	2300
2.5	1600/0.2A	WM-CT-16-N	2400
2.6	2000/0.2A	WM-CT-20-N	3060
2.7	2500/0.2A	WM-CT-25-N	3060
2.8	3200/0.2A	WM-CT-32-N	3830
2.9	4000/0.2A	WM-CT-40-N	5460

**Code for Coils Voltage

Description	AC Control Voltage			DC Control Voltage			
	110V	220 - 240V	415 - 440V	24V	48V	110V	220V
UVT	FA	MA	NA	-	-	FD	MD
SHUNT	FA	MA	NA	BD	ED	FD	MD
Closing Coil	FA	MA	NA	BD	ED	FD	MD

Sl. No.	Description	Suitable for ACB frame size / rating	
		630A~4000A Reference	Unit Price (₹)
4.5	OCR (Fault) Alarm Switch	WM-ALA-AB	620
4.6	Trip Indication Switch (For manual tripping only)	WM-TIS-AB	620
4.7	'Spring Charged' Indication Switch	WM-SCIS-AB	820
4.8	Position Indication Switch	WM-ALB-AB	2020
4.9	Mechanical Operation Counter	WM-ASC-AB	1890
4.10	Key Lock (One lock + One key)	WM-AKI-AB	1890
4.11	Castle Key Lock	WM-CKI-AB	4370
4.12	Key Interlock (Consisting of 3-Key Locks with 2 Keys (same No.) fitted on 3 ACBs)	WM-AKI-1-AB	3880
4.13	Key Interlock (Consisting of 2-Key Locks with 1 Key (same No.) fitted on 2 ACBs)	WM-AKI-2-AB	2950

3 Under Voltage Trip Device consisting of UVT Coil & Control device fitted in the ACB

Sl. No.	Description	Reference	Unit Price (₹)
3.1	Compact UVT Coil Upto 630A-4000A	WM-AUH-V-AB-**	5110

4 Shunt Trip and Closing Coil

4.1	Shunt Trip 630A-4000A	WM-AVH-S-AB-**	2140
4.2	Closing Coil 630A-4000A	WM-AVH-C-AB-**	2140

**Please specify voltage while ordering

Sl. No.	For Air Circuit Breaker	Reference	Unit Price (₹)
4.3	Lifter with variable size Loader (for all sizes of ACBs)	☒ LIFTER	95670
4.4	Door Interlock	DOOR-INT-AB	2200



11

Air Circuit Breaker "D" Series

(I) ACB with Intelligent Release MicroPro 4.1

Features :

- LSING Protection
- LCD Display
- Current Measurement
- True RMS Sensing
- Thermal Memory
- Communication through RS 485 Port
- Zone Selectivity
- Fault Indication



"D" series breakers fitted with standard accessories, tabulated below, are included in the Prices mentioned in the subsequent tables.

Manual Fixed (MF)	Electrical Fixed (EF)	Manual Drawout (MDO)	Electrical Drawout (EDO)
- Microprocessor Release - Auxiliary Switch 5a 5b i.e. 5NO+5NC - Main CTs for 3 Phase only - Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A - Power Supply Module	- Microprocessor Release - Auxiliary Switch 5a 5b i.e. 5NO + 5NC - Main CTs for 3 Phase only - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation - Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A - Power Supply Module	- Microprocessor Release - Auxiliary Switch 7a 7b i.e. 7NO + 7NC - Main CTs for 3 Phase only - Safety Shutter - 36 way Auxiliary Isolating contacts - *Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A - Power Supply Module	- Microprocessor Release - Auxiliary Switch 7a 7b i.e. 7 NO +7 NC - Main CTs for 3 Phase only - Safety Shutter - 36 way Auxiliary Isolating contacts - AC/DC Charging Motor - Closing Coil -Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation - *Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A - Power Supply Module

LT Air Circuit Breaker fitted with Intelligent Release MicroPro 4.1

Fixed 3 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MF	* EF
630	45kA	AH06DCSMP4.1*(S)	85450	115970
800	45kA	AH08DCSMP4.1*(S)	88100	125060
800	50kA	AHA-08N3P*MP4.1 (S)	93100	130680
1000	50kA	AH10DCSMP4.1*(S)	93510	131080
1250	50kA	AH12DCSMP4.1*(S)	119750	156710
1600	50kA	AH16DCSMP4.1*(S)	123330	165700
2000	50kA	AHA-20N3P*MP4.1(S)	138440	181830
2000	50kA	AH20DCSMP4.1*(S)	POR	POR
2500	50kA	AH25DCSMP4.1*(S)	155590	198470
New 2000	65kA	AHA-20S3P*MP4.1(S)	152730	201330
3200	65kA	AH30DCSMP4.1*(S)	230330	268510
4000	85kA	AH40DCSMP4.1*(S)	356320	389090

Fixed 4 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MF	* EF
630	45kA	AH06D4CSMP4.1*(S)	104130	145480
800	45kA	AH08D4CSMP4.1*(S)	108520	151400
800	50kA	AHA-08N4P*MP4.1 (S)	114030	157020
1000	50kA	AH10D4CSMP4.1*(S)	117100	157430
1250	50kA	AH12D4CSMP4.1*(S)	148650	187240
1600	50kA	AH16D4CSMP4.1*(S)	153850	194180
2000	50kA	AHA-20N4P*MP4.1(S)	178150	221550
2000	50kA	AH20D4CSMP4.1*(S)	POR	POR
2500	50kA	AH25D4CSMP4.1*(S)	200100	239820
New 2000	65kA	AHA-20S4P*MP4.1(S)	197140	245850
3200	65kA	AH30D4CSMP4.1*(S)	283520	324260
4000	85kA	AH40D4CSMP4.1*(S)	420230	481390

Drawout 3 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MDO	* EDO
630	45kA	AH06DCSMP4.1*(S)	121180	162330
800	45kA	AH08DCSMP4.1*(S)	125160	163250
800	50kA	AHA-08N3P*MP4.1 (S)	130470	168560
1000	50kA	AH10DCSMP4.1*(S)	135480	171410
1250	50kA	AH12DCSMP4.1*(S)	163350	197650
1600	50kA	AH16DCSMP4.1*(S)	171720	209190
2000	50kA	AHA-20N3P*MP4.1 (S)	201640	239210
2000	50kA	AH20DCSMP4.1*(S)	POR	POR
2500	50kA	AH25DCSMP4.1*(S)	234410	267690
New 2000	65kA	AHA-20S3P*MP4.1*(S)	223380	265350
New 3200	65kA	AHA-30S3P*MP4.1*(S)	294140	327830
New 3200	65kA	AH30DCSMP4.1*(S)	POR	POR
New 4000	65kA	AHA-40S3P*MP4.1*(S)	383880	417290
4000	85kA	AH40DCSMP4.1*(S)	397970	432590

Drawout 4 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MDO	* EDO
630	45kA	AH06D4CSMP4.1*(S)	154260	196630
800	45kA	AH08D4CSMP4.1*(S)	158450	199190
800	50kA	AHA-08N4P*MP4.1 (S)	163760	204490
1000	50kA	AH10D4CSMP4.1*(S)	168250	209090
1250	50kA	AH12D4CSMP4.1*(S)	200920	239520
1600	50kA	AH16D4CSMP4.1*(S)	219400	255850
2000	50kA	AHA-20N4P*MP4.1 (S)	261260	298630
2000	50kA	AH20D4CSMP4.1*(S)	POR	POR
2500	50kA	AH25D4CSMP4.1*(S)	302510	336820
New 2000	65kA	AHA-20S4P*MP4.1*(S)	290360	331810
New 3200	65kA	AHA-30S4P*MP4.1*(S)	361420	392970
New 3200	65kA	AH30D4CSMP4.1*(S)	POR	POR
New 4000	65kA	AHA-40S4P*MP4.1*(S)	469950	502220
4000	85kA	AH40D4CSMP4.1*(S)	487310	520800

For ACB communication through RS 485 Port, please refer Item no. 55 on page 18.

- Notes :
- 1) In TP ACB if Earth Fault facility is required, add price of Neutral CTs from item no. 4.1 on page 15.
 - 2) If Under Voltage Release is required, add price of UVT Coil from item no. 7 on page 16.
 - 3) While ordering an ACB, complete the catalogue reference by replacing * with ACB type: **MF** - Manual Fixed, **EF**-Electrical Fixed, **MD**- Manual Drawout, **ED**-Electrical Drawout
 - 4) All configured ACBs are non stockable. For further details please contact nearest branch office.
 - 5) ACBs with higher breaking capacities are also available on request.
 - ACB with Vertical terminal optional with adaptor are available on request.

Air Circuit Breaker "D" Series

(II) ACB with Microprocessor Release μ T-100

"D" series breakers fitted with standard accessories, tabulated below, are included in the Prices mentioned in the subsequent tables.

Manual Fixed (MF)	Electrical Fixed (EF)	Manual Drawout (MDO)	Electrical Drawout (EDO)
- Microprocessor Release - Auxiliary Switch 5a 5b i.e. 5NO+5NC - Main CTs for 3 Phase only - Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A	- Microprocessor Release - Auxiliary Switch 5a 5b i.e. 5NO + 5NC - Main CTs for 3 Phase only - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation - Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A	- Microprocessor Release - Auxiliary Switch 7a 7b i.e. 7NO + 7NC - Main CTs for 3 Phase only - Safety Shutter - 36 way Auxiliary Isolating contacts - *Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A	- Microprocessor Release - Auxiliary Switch 7a 7b i.e. 7 NO + 7 NC - Main CTs for 3 Phase only - Safety Shutter - 36 way Auxiliary Isolating contacts - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation - *Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A

LT Air Circuit Breaker fitted with Microprocessor Release type μ T-100 / μ T-G (Includes Rectifier Unit 220V AC / 24V DC type

ARO - 1B in standard supply)

Fixed, 3 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MF	* EF
630	45kA	AH-6D-CS-MP.*	65450	95970
800	45kA	AH-8D-CS-MP.*	68100	105060
800	50kA	AHA-08N3P*MP	73100	110680
1000	50kA	AH-10D-CS-MP.*	73510	111080
1250	50kA	AH-12D-CS-MP.*	99750	136710
1600	50kA	AH-16D-CS-MP.*	103330	145700
2000	50kA	AHA-20N3P*MP	118440	161830
2000	50kA	AH-20D-CS-MP.*	POR	POR
2500	50kA	AH-25D-CS-MP.*	135590	178470
New 2000	65kA	AHA-20S3P*MP	132730	181330
3200	65kA	AH-30D-CS-MP.*	210330	248510
4000	85kA	AH-40D-CS-MP.*	336320	369090

Fixed, 4 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MF	* EF
630	45kA	AH-6D-4CS-MP. *	84130	125480
800	45kA	AH-8D-4CS-MP. *	88520	131400
800	50kA	AHA-08N4P*MP	94030	137020
1000	50kA	AH-10D-4CS-MP. *	97100	137430
1250	50kA	AH-12D-4CS-MP.*	128650	167240
1600	50kA	AH-16D-4CS-MP.*	133850	174180
2000	50kA	AHA-20N4P*MP	158150	201550
2000	50kA	AH-20D-4CS-MP.*	POR	POR
2500	50kA	AH-25D-4CS-MP.*	180100	219820
New 2000	65kA	AHA-20S4CS*MP	177140	225850
3200	65kA	AH-30D-4CS-MP.*	263520	304260
4000	85kA	AH-40D-4CS-MP. *	400230	461390

Drawout 3 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MDO	* EDO
630	45kA	AH-6D-CS-MP. *	101180	142330
800	45kA	AH-8D-CS-MP. *	105160	143250
800	50kA	AHA-08N3P*MP	110470	148560
1000	50kA	AH-10D-CS-MP. *	115480	151410
1250	50kA	AH-12D-CS-MP. *	143350	177650
1600	50kA	AH-16D-CS-MP. *	151720	189190
2000	50kA	AHA-20N3P*MP	181640	219210
2000	50kA	AH-20D-CS-MP. *	POR	POR
2500	50kA	AH-25D-CS-MP. *	214410	247690
New 2000	65kA	AHA-20S3P*MP	203380	245350
New 3200	65kA	AHA-30S3P*MP	274140	307830
3200	65kA	AH-30D-CS-MP. *	POR	POR
New 4000	65kA	AHA-40S3P*MP	363880	397270
4000	85kA	AH-40D-CS-MP. *	377970	412590

Drawout 4 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MDO	* EDO
630	45kA	AH-6D-4CS-MP. *	134260	176630
800	45kA	AH-8D-4CS-MP. *	138450	179190
800	50kA	AHA-08N4P*MP	143760	184490
1000	50kA	AH-10D-4CS-MP. *	148250	189090
1250	50kA	AH-12D-4CS-MP. *	180920	219520
1600	50kA	AH-16D-4CS-MP. *	199400	235850
2000	50kA	AHA-20N4P*MP	241260	278630
2000	50kA	AH-20D-4CS-MP. *	POR	POR
2500	50kA	AH-25D-4CS-MP. *	282510	316820
New 2000	65kA	AHA-20S4P*MP	270360	311810
New 3200	65kA	AHA-30S4P*MP	341420	372970
3200	65kA	AH-30D-4CS-MP. *	POR	POR
New 4000	65kA	AHA-40S4P*MP	449950	482220
4000	85kA	AH-40D-4CS-MP. *	467310	500800

- Notes :**
- 1) In TP ACB if Earth Fault facility is required, add price of Neutral CTs from item no. 4.2 on page 15
 - 2) If Under Voltage Release is required, add price of UVT Coil from item no. 7 on page 16
 - 3) Prices of ACBs rating 5000 & 6300A available on request.
 - 4) While ordering an ACB, the complete catalogue reference by replacing '*' with ACB type: **MF** - Manual Fixed, **EF**-Electrical Fixed, **MD**- Manual Drawout, **ED**-Electrical Drawout
 - 5) All configured ACBs are non stockable. For further details please contact nearest branch office.
 - 6) ACBs with higher breaking capacities are also available on request.
 - ACB with Vertical terminal optional with adaptor are available on request.

Air Circuit Breaker "D" Series

(III) ACB with Thermal Magnetic Release

"D" series breakers fitted with standard accessories, tabulated below, are included in the Prices mentioned in the subsequent tables.

Manual Fixed (MF)	Electrical Fixed (EF)	Manual Drawout (MDO)	Electrical Drawout (EDO)
- Thermal Magnetic Release - Auxiliary Switch 5a 5b i.e 5NO+5NC - Main CTs for 3 Phase only - Shunt Trip - Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A	- Thermal Magnetic Release - Auxiliary Switch 5a 5b i.e 5NO+5NC - Main CTs for 3 Phase only - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation - Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A	- Thermal Magnetic Release - Auxiliary Switch 5a 5b i.e 5NO+5NC - Main CTs for 3 Phase only - Shunt Trip - Safety Shutter 24 way Auxiliary Isolating contacts • Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A	- Thermal Magnetic Release - Auxiliary Switch 5a 5b i.e 5NO+5NC - Main CTs for 3 Phase only - Safety Shutter 36 way Auxiliary Isolating contacts - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation • Terminal Type - Horizontal upto 2500A & Vertical for 3200A/4000A

LT Air Circuit Breaker fitted with Thermal Magnetic Release and Standard Accessories, as applicable.

Fixed, 3 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MF	* EF
630	45kA	AH-6D-CS-TM- *	53600	87090
800	45kA	AH-8D-CS-TM- *	57380	91180
800	50kA	AHA-08N3P*TM	61260	96690
1000	50kA	AH-10D-CS-TM- *	62790	99140
1250	50kA	AH-12D-CS-TM- *	87910	125480
1600	50kA	AH-16D-CS-TM- *	91380	136510
2000	50kA	AHA-20N3P*TM	106390	153860
2000	50kA	AH-20D-CS-TM- *	POR	POR
2500	50kA	AH-25D-CS-TM- *	120070	171730
New 2000	65kA	AHA-20S3P*TM	119250	172340
3200	65kA	AH-30D-CS-TM- *	199100	240450
4000	85kA	AH-40D-CS-TM- *	308340	349690

Fixed, 4 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MF	* EF
630	45kA	AH-6D-4CS-TM- *	73410	109860
800	45kA	AH-8D-4CS-TM- *	77190	113640
800	50kA	AHA-08N4P*TM	82800	119250
1000	50kA	AH-10D-4CS-TM- *	84230	124460
1250	50kA	AH-12D-4CS-TM- *	114760	159790
1600	50kA	AH-16D-4CS-TM- *	120680	166120
2000	50kA	AHA-20N4P*TM	145490	184390
2000	50kA	AH-20D-4CS-TM- *	POR	POR
2500	50kA	AH-25D-4CS-TM- *	167240	201030
New 2000	65kA	AHA-20S4P*TM	163050	206550
3200	65kA	AH-30D-4CS-TM- *	249000	289760
4000	85kA	AH-40D-4CS-TM- *	365210	429740

Drawout 3 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MDO	* EDO
630	45kA	AH-6D-CS-TM- *	93420	129560
800	45kA	AH-8D-CS-TM- *	94440	130690
800	50kA	AHA-08N3P*TM	99750	136000
1000	50kA	AH-10D-CS-TM- *	103120	137730
1250	50kA	AH-12D-CS-TM- *	129360	164070
1600	50kA	AH-16D-CS-TM- *	143730	182250
2000	50kA	AHA-20N3P*TM	172550	210020
2000	50kA	AH-20D-CS-TM- *	POR	POR
2500	50kA	AH-25D-CS-TM- *	199400	234830
New 2000	65kA	AHA-20S3P*TM	192970	235440
New 3200	65kA	AHA-30S3P*TM	257290	291290
3200	65kA	AH-30D-CS-TM- *	POR	POR
New 4000	65kA	AHA-40S3P*TM	344080	383690
4000	85kA	AH-40D-CS-TM- *	357350	398500

Drawout 4 Pole

Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	Unit Price (₹)	
			* MDO	* EDO
630	45kA	AH-6D-4CS-TM- *	121910	164790
800	45kA	AH-8D-4CS-TM- *	122930	169080
800	50kA	AHA-08N4P*TM	128140	174280
1000	50kA	AH-10D-4CS-TM- *	134260	178270
1250	50kA	AH-12D-4CS-TM- *	164280	209310
1600	50kA	AH-16D-4CS-TM- *	182250	225130
2000	50kA	AHA-20N4P*TM	225030	263620
2000	50kA	AH-20D-4CS-TM- *	POR	POR
2500	50kA	AH-25D-4CS-TM- *	269140	304970
New 2000	65kA	AHA-20S4P*TM	251880	295480
New 3200	65kA	AHA-30S4P*TM	324170	357150
3200	65kA	AH-30D-4CS-TM- *	POR	POR
New 4000	65kA	AHA-40S4P*TM	419120	458220
4000	85kA	AH-40D-4CS-TM- *	435350	475890

- Notes :**
- While ordering an ACB without Over Current Release, Shunt trip & Main CTs, please deduct (₹) 3000 for 630-1600A; (₹) 6000 for 2000A; (₹) 7000 for 2500 - 3200A & (₹) 8000 for 4000A from the prices listed above. Shunt trip will be standard in electrical ACB without release as well.
 - In TP ACB if Earth Fault facility is required, add prices of Earth Fault Relay from item no. 4.2 on page 15
 - If Under Voltage Release is required, add price of UVT Coil from item no. 7 on page 16
 - Prices of ACBs rating 5000 & 6300A available on request.
 - While ordering an ACB, the complete catalogue reference by replacing * with ACB type: **MF** - Manual Fixed, **EF**-Electrical Fixed, **MD**- Manual Drawout, **ED**-Electrical Drawout
 - All configured ACBs are non stockable. For further details please contact nearest branch office.
 - ACBs with higher breaking capacities are also available on request.
 - ACB with Vertical terminal optional with adaptor are available on request.

Air Circuit Breaker "B" Series

"B" series breakers fitted with standard accessories, tabulated below, are included in the Prices mentioned in the subsequent tables.	
- Thermal Magnetic Release	- Main CTs for 3 Phase only
- Auxiliary Switch 3NO+2NC	- Shunt Trip only with thermal release

Manual Fixed, 3 Pole with Microprocessor Release

Rating (Amps)	Reference	Unit Price (₹) *MF
630	☒ AH-6B-CS-MP- *	POR
800	☒ AH-8B-CS-MP- *	
1000	☒ AH-10B-CS-MP- *	
1250	☒ AH-12B-CS-MP- *	
1600	☒ AH-16B-CS-MP- *	

Manual Fixed, 3 Pole with Thermal Magnetic Release

Rating (Amps)	Reference	Unit Price (₹) *MF
630	☒ AH-6B-CS-TM- *	POR
800	☒ AH-8B-CS-TM- *	
1000	☒ AH-10B-CS-TM- *	
1250	☒ AH-12B-CS-TM- *	
1600	☒ AH-16B-CS-TM- *	

Main Accessories For D-type Air Circuit Breakers

(Please specify ACB rating & type while placing order)

1 ACB Protection Release (Micro Processor / Thermal)

Sl. No.	Description	Reference	Unit Price (₹)
1.1	Microprocessor release with L.T.D., S.T.D, Instantaneous, Ground Fault & LED Indication	μIT - 100*	29090
1.2	Microprocessor release with L.T.D., S.T.D. with LED Indication (for Generator Protection)	μIT - G*	27440
1.3	Thermal magnetic release	CS-TOMCR	4490

Note: *Specify ACB Ratings.

2 Earth Fault Relay with NCT (For use with Thermal Magnetic Release)

Sl. No.	Description	Reference	Unit Price (₹)
2.1	Upto 1600A / 2000A (AHA)	EFR1	4490
2.2	2000A - 2500A / 3200A (AHA)	EFR2	5000
2.3	3200A / 4000A (AHA)	EFR3	5770
2.4	4000A	EFR4	6430

3 FRP Laminated Safety Shutter Assembly

3.1	For 630A to 1600A / 2000A (AHA) (3-Pole)	ASH-1	1740
	For 630A to 1600A / 2000A (AHA) (4-Pole)	ASH-1 (4P)	2250
3.2	For 2000A to 2500A / 3200A (AHA) (3-Pole)	ASH-2	1990
	For 2000A to 2500A / 3200A (AHA) (4-Pole)	ASH-2 (4P)	2600
3.3	For 3200A / 4000A (AHA) (3-Pole)	ASH-3	2710
	For 3200A / 4000A (AHA) (4-Pole)	ASH-3 (4P)	3870
3.4	For 4000A (3-Pole)	ASH-4	3320
	For 4000A (4-Pole)	ASH-4 (4P)	4340

☒ Non Stockable item

4.1 Single Phase Polyester Resin Cast CTs for D Series ACB for MicroPro 4.1 & 5.1 Release - 1 CT per pole is required. In TP ACB, one additional CT will be required if, Ground Fault Protection is selected.

Sl. NO.	Type	Description	Phase CT	Neutral CT	Unit Price (₹)
4.1	AH-06D	630/0.2A	WMCT-064	ATBWM-060	2040
4.2	AH-08D	800/0.2A	WMCT-084	ATBWM-080	2040
4.3	AH-10D	1000/0.2A	WMCT-104	ATBWM-110	2140
4.4	AH-12D	1250/0.2A	WMCT-124	ATBWM-120	2140
4.5	AH-16D	1600/0.2A	WMCT-164	ATBWM-160	2140
4.6	AHA-20N	2000/0.2A	AHA-WM-CT-20	ATBWM-220	2250
4.7	AHA-20S	2000/0.2A	AHA-DO-WM-CT-20	ATBWM-220	2860
4.8	AH-20D	2000/0.2A	ATBWM-220	ATBWM-220	2860
4.9	AH-25D	2500/0.2A	ATBWM-225	ATBWM-225	2860
4.10	AHA-30S	3200/0.2A	AHA-WM-CT-30	ATBWM-332	3570
4.11	AH-30D	3200/0.2A	ATBWM-332	ATBWM-332	3570
4.12	AHA-40S	4000/0.2A	AHA-WM-CT-40	ATBWM-440	5110
4.13	AH-40D	4000/0.2A	ATBWM-440	ATBWM-440	5110

4.2 Single Phase Polyester Resin Cast CTs for D Series ACB for Thermal & μIT-100 release - 1 CT per pole is required. In TP ACB, one additional CT will be required if, Ground Fault Protection is selected.

Sl. NO.	Type	Description	Phase CT	Neutral CT	Unit Price (₹)
4.2.1	AH-06D	250/5A	ATB-024	ATB-024	1890
4.2.2	AH-06D	400/5A	ATB-044	ATB-040	1890
4.2.3	AH-06D	630/5A	ATB-064	ATB-060	1890
4.2.4	AH-08D	800/5A	ATB-084	ATB-080	1890
4.2.5	AH-10D	1000/5A	ATB-104	ATB-110	1990
4.2.6	AH-12D	1250/5A	ATB-134	ATB-120	1990
4.2.7	AH-16D	1600/5A	ATB-164	ATB-160	2250
4.2.8	AHA-20N	2000/5A	ATB-CT-20	ATB-220	2550
4.2.9	AHA-20S	2000/5A	ATB-DO-CT-20	ATB-220	2550
4.2.10	AH-20D	2000/5A	ATB-220	ATB-220	2550
4.2.11	AH-25D	2500/5A	ATB-225	ATB-225	2860
4.2.12	AHA-30S	3200/5A	AHA-CT-30	ATB-332	3320
4.2.13	AH-30D	3200/5A	ATB-332	ATB-332	3320
4.2.14	AHA-40S	4000/5A	AHA-CT-40	ATB-440	4750
4.2.15	AH-40D	4000/5A	ATB-440	ATB-440	4750

5 Auxiliary Isolating Contact Assembly (set of one contact block on ACB side & two blocks on cradle side)

Sl. NO.	Description	Reference	Unit Price (₹)
5.1	12 way Upto 1600A / 2000A (AHA), 3P Upto 1600A / 2000A (AHA), 4P 2000A-2500A / 3200A (AHA), 3P 2000A-2500A / 3200A (AHA), 4P 3200A-4000A / 4000A (AHA), 3P 3200A-4000A / 4000A (AHA), 4P	AIH-12-1 AIH-12-1 (4P) AIH-12-2 AIH-12-2 (4P) AIH-12-3 AIH-12-3 (4P)	3620
5.2	24 way Upto 1600A / 2000A (AHA), 3P Upto 1600A / 2000A (AHA), 4P 2000A-2500A / 3200A (AHA), 3P 2000A-2500A / 3200A (AHA), 4P 3200A-4000A / 4000A (AHA), 3P 3200A-4000A / 4000A (AHA), 4P	CS-AIH-24-1 CS-AIH-24-1 (4P) CS-AIH-24-2 CS-AIH-24-2 (4P) CS-AIH-24-3 CS-AIH-24-3 (4P)	5430
5.3	36 way Upto 1600A / 2000A (AHA), 3P Upto 1600A / 2000A (AHA), 4P 2000A-2500A / 3200A (AHA), 3P 2000A-2500A / 3200A (AHA), 4P 3200A-4000A / 4000A (AHA), 3P 3200A-4000A / 4000A (AHA), 4P	CS-AIH-36-1 CS-AIH-36-1 (4P) CS-AIH-36-2 CS-AIH-36-2 (4P) CS-AIH-36-3 CS-AIH-36-3 (4P)	7760

6 Auxiliary Switch

6.1	5 way (2NO+3NC) Upto 1600A / 2000A (AHA) 2000A-4000A / 3200A (AHA) - 4000A (AHA)	AXH-2A3B-1 AXH-2A3B-2	1020
	5 way (3NO+2NC) Upto 1600A / 2000A (AHA) 2000A - 4000A / 3200A (AHA)-4000A (AHA)	AXH-3A2B-1 AXH-3A2B-2	
6.2	10 way (5NO+5NC) Upto 1600A / 2000A (AHA) 2000A - 4000A / 3200A (AHA)-4000A (AHA)	CS-AXH-5A5B-1 CS-AXH-5A5B-2	1550
6.3	14 way (7NO+7NC) Upto 1600A / 2000A (AHA) 2000A - 4000A / 3200A (AHA)-4000A (AHA)	CS-AXH-7A7B-1 CS-AXH-7A7B-2	2550

Accessories For D-type Air Circuit Breakers

(Please specify ACB rating & type while placing orders)

7 Under Voltage Trip Device (D Series ACB) consisting of UVT Coil & Control device fitted in the ACB

Sl. No.	Description	Reference	Unit Price (₹)
7.1	Compact UVT Coil Upto 1600A / 2000A(AHA)	CS-AUH-V-A-**-	3570
	2000A-4000A / 3200A(AHA)- 4000A (AHA)	CS-AUH-V-B-**-	

8 Shunt Trip and Closing Coil

8.1	Shunt Trip Upto 1600A / 2000A(AHA) 2000A - 4000A / 3200A(AHA)- 4000A(AHA)	CS-AVH-S-1-**- CS-AVH-S-2-**-	1990
8.2	Closing Coil Upto 1600A / 2000A(AHA) 2000A - 4000A / 3200A(AHA)- 4000A(AHA)	CS-AVH-C-1-**- CS-AVH-C-2-**-	1990

**Please specify voltage while ordering

Sl. No.	For Air Circuit Breaker	Reference	Unit Price (₹)
26	Lifter with variable size Loader (for all sizes of ACBs)	☒ LIFTER	95670
27	Door Interlock (6D-16D/20AHA)	DOOR-INT-1	2040
28	Door Interlock (20D-40D)/(30AHA-40AHA)	DOOR-INT-2	2040
29	Vertical Connection Copper Adapter (6D~8D)&800A(AHA) (2 per pole required)	☒ CUADPTR-VC (6D~8D)	3880
30	Vertical Connection Copper Adapter (10D~12D) (2 per pole required)	☒ CUADPTR-VC (10D~12D)	4590
31	Vertical Connection Copper Adapter (16D & 20AHA) (2 per pole required)	☒ CUADPTR-VC(16D)	5210
32	Vertical Connection Copper Adapter (20D~25D) (2 per pole required)	☒ CUADPTR-VC (20D~25D)	10520

Code for Coils Voltage**

Description	AC Control Voltage			DC Control Voltage			
	110V	220-240V	415-440V	24V	48V	110V	220V
UVT	FA	MA	NA	-	-	FD	MD
SHUNT	FA	MA	NA	BD	ED	FD	MD
Closing Coil	FA	MA	NA	BD	ED	FD	MD

Sl. No.	Description	Suitable for ACB frame size / rating			
		6D - 16D & 20AHA Reference	Unit Price (₹)	20D - 40D & 30AHA-40AHA Reference	Unit Price (₹)
9	OCR (Fault) Alarm Switch (for ACB with MicroProcessor release only)	ALA-1	580	ALA-2	580
10	Trip Indication Switch (For manual and Fault tripping in ACB with TM release only)	TIS -1	580	TIS-2	580
11	'Spring Charged' Indication Switch	SCIS	770	SCIS	770
12	Position Indication Switch	ALB-4P-1	1890	ALB-IP-2	1890
13	Mechanical operation counter	ASC-1	1760	ASC-2	1760
14	Key Lock (One lock + One key)	AKI-1D	1330	AKI-2D	1330
15	Castle Key Lock	CKI-1	4080	CKI-2	4080
16	Key Interlock (Consisting of 3-Key Locks with 2 Keys (same No.) fitted on 3 ACBs)	AKI-1-1	3620	AKI-1-2	3620
17	Key Interlock (Consisting of 2-Key Locks with 1 Key (same No.) fitted on 2 ACBs)	AKI-2-1	2760	AKI-2-2	2760
18	Short Circuit Contact for Shunting Auxiliary Isolating Contacts when ACB withdrawn	SCC	320	SCC	320
19	Rectifier Unit 240V AC / 24V DC, used for LED Indication or for function checking of Microprocessor Release (Can Control Upto 5 no. of ACBs)	CS-ARO-1BMA	1890	CS-ARO-1BMA	1890
20	Rectifier Unit 415V AC / 24V DC, used for LED Indication or for function checking of Microprocessor Release (Can Control Upto 5 no. of ACBs)	CS-ARO-1BNA	1890	CS-ARO-1BNA	1890

Sl. No.	Description	Suitable for ACB frame size / rating			
		6D - 16D & 20AHA Reference	Unit Price (₹)	20D - 25D & 30AHA Reference	Unit Price (₹)
21	Making Current Release / Instantaneous Trip	CS-MCR-1	6230	CS-MCR-2	7400
22	Mechanical Interlock (Fixed Vertical)	MIL-16D-VF	6940	MIL-20D-VF	6940
23	Mechanical Interlock (Fixed Horizontal)	MIL-16D-HF	6940	MIL-20D-HF	6940
24	Mechanical Interlock (D/o Vertical)	MIL-16D-VDO	9800	MIL-20D-VDO	11230
25	Mechanical Interlock (D/o Horizontal)	MIL-16D-HDO	9800	MIL-20D-HDO	11230

S. No. 22, 23, 24 & 25 will be supplied only factory fitted. These can not be fitted at site thus always order with ACB only.

☒ Non Stockable item

Spares For D-type Air Circuit Breakers

(Please specify ACB rating & type while placing order for spares)

33 Drawout Mould Base (Cradle Side)

For ACB Rating	Reference	Qty. Required Per Pole*	Unit Price (₹)
630A	DRMOULD-06D	2	1330
800A/800(AHA-08N)	DRMOULD-08D	2	1330
1000A	DRMOULD-10D	2	1330
1250A	DRMOULD-12D	2	1330
1600A	DRMOULD-16D	2	1330
2000A(AHA-20N)	DRMOULD-20N	2	1460
2000A(AHA-20S)	DRMOULD-20S	2	1460
2000A	DRMOULD-20D	2	1460
2500A/3200A(AHA)	DRMOULD-25D	2	2060
3200A/4000A(AHA)	DRMOULD-30D	1	4540
4000A	DRMOULD-40D	1	5210

34 Arcing Contacts (Set of 1 no. fixed & 1 no. moving)

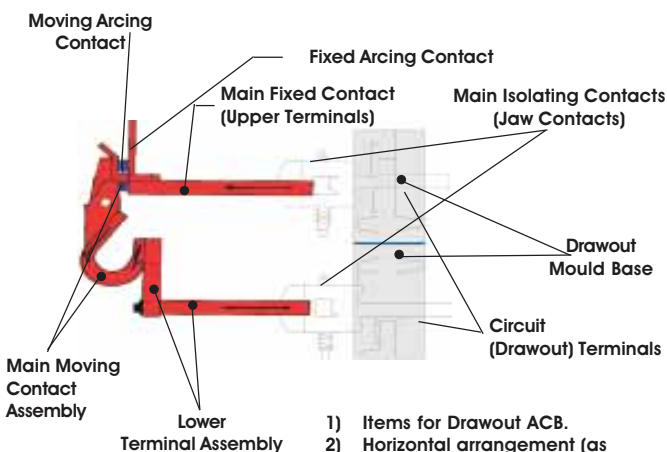
630A	ARCCONT-06D	1M / 1F	3680
800A/800(AHA-08N)	ARCCONT-08D	1M / 1F	3680
1000A	ARCCONT-10D	1M / 1F	3980
1250A	ARCCONT-12D	1M / 1F	3980
1600A	ARCCONT-16D	1M / 1F	4700
2000A (AHA-20N)	ARCCONT-20N	1M / 1F	5870
2000A (AHA-20S)	ARCCONT-20S	1M / 1F	5870
2000A	ARCCONT-20D	1M / 1F	5870
2500A / 3200A(AHA)	ARCCONT-25D	1M / 1F	8150
3200A / 4000A(AHA)	ARCCONT-30D	1M / 1F	9190
4000A	ARCCONT-40D	1M / 1F	12000

Note: M - Moving, F - Fixed

35 Main Isolating Contacts (Jaw Contacts)

630A	MIC-06D	2	6020
800A	MIC-08D	2	6020
800(AHA-08N)	MIC-08N	2	6330
1000A	MIC-10D	2	6740
1250A	MIC-12D	2	6740
1600A	MIC-16D	2	7910
2000A (AHA-20N)	MIC-20N	2	17510
2000A (AHA-20S)	MIC-20S	2	17510
2000A	MIC-20D	2	18380
2500A/3200A(AHA)	MIC-25D	2	25980
3200A/4000A(AHA)	MIC-30D	2	27870
4000A	MIC-40D	2	31140

Note : " * " To arrive at total quantity per ACB, multiply by 3 or 4 depending upon number of poles in the ACB.



☒ Non Stockable item

36 Main Fixed Contacts (Upper Terminals)

For ACB Rating	Reference	Qty. Required Per Pole*	Unit Price (₹)
630A-800A	FIXCONT-06D-08D	1	5560
800A(AHA-08N)	FIXCONT-08N	1	5720
1000A-1250A	FIXCONT-10D-12D	1	5870
1600A	FIXCONT-16D	1	6020
2000A (AHA-20N)	FIXCONT-20N	1	7560
2000A (AHA-20S)	FIXCONT-20S	1	7560
2000A	FIXCONT-20D	1	7560
2500A / 3200A (AHA)	FIXCONT-25D	1	10270
3200A / 4000A (AHA)	FIXCONT-30D	1	23840
4000A	FIXCONT-40D	1	29970

37 Lower Terminals with fitting plates

630A	LWR-TRNL-6B-6D	1	5510
800A/800(AHA-08N)	LWR-TRNL-8B-8D	1	6020
1000A	LWR-TRNL-10B-10D	1	6590
1250A	LWR-TRNL-12B-12D	1	6590
1600A	LWR-TRNL-16B-16D	1	7300
2000A (AHA-20N)	LWR-TRNL-20N	1	9190
2000A (AHA-20S)	LWR-TRNL-20S	1	9190
2000A	LWR-TRNL-20C-20D	1	9190
2500A/3200A (AHA)	LWR-TRNL-25C-25D	1	9650
3200A/4000A (AHA)	LWR-TRNL-30C-30D	1	18170
4000A	LWR-TRNL-40C-40D	1	24910

38 Circuit Terminals / Drawout Terminals

630A	CKTTL-06D	2	3680
800A	CKTTL-08D	2	3680
800A(AHA-08N)	CKTTL-08N	2	3880
1000A	CKTTL-10D	2	5460
1250A	CKTTL-12D	2	5460
1600A	CKTTL-16D	2	8760
2000A (AHA-20N)	CKTTL-20N	2	8760
2000A (AHA-20S)	CKTTL-20S	2	8760
2000A	CKTTL-20D	2	8760
2500A/3200A (AHA)	CKTTL-25D	2	12860
3200A/4000A (AHA)	CKTTL-30D	2	25470
4000A	CKTTL-40D	2	32210

39 Main Moving Contacts Assembly

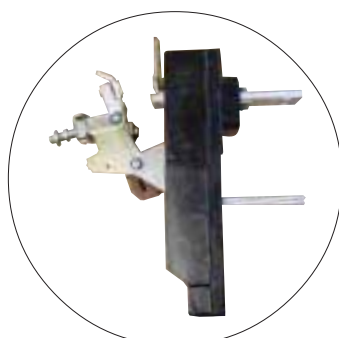
630A-800A	MOVMAIN-06D-08D	1	4080
800A(AHA-08N)	MOVMAIN-08N	1	4290
1000A-1250A	MOVMAIN-10D-12D	1	4390
1600A	MOVMAIN-16D	1	6380
2000A (AHA-20N)	MOVMAIN-20N	1	7090
2000A (AHA-20S)	MOVMAIN-20S	1	7850
2000A	MOVMAIN-20D	1	8490
2500A/3200A (AHA)	MOVMAIN-25D	1	11130
3200A/4000A (AHA)	MOVMAIN-30D	1	25470
4000A	MOVMAIN-40D	1	34110

Spares For D-type Air Circuit Breakers

(Please specify ACB rating & type while placing order for spares)

40 Complete Pole Unit (Common for 3 & 4 Pole ACBs)

Sl. No.	For Air Circuit Breaker	Reference	Unit Price (₹)
40.1	Single Pole unit for 630 A	CONDUNIT-6D	11130
40.2	Single Pole unit for 800 A	CONDUNIT-8D	21250
40.3	Single Pole unit for 800A (AHA-08N)	CONDUNIT-8N	12760
40.4	Single Pole unit for 1000 A	CONDUNIT-10D	13320
40.5	Single Pole unit for 1250 A	CONDUNIT-12D	15670
40.6	Single Pole unit for 1600 A	CONDUNIT-16D	18120
40.7	Single Pole unit for 2000 A(AHA-20N)	CONDUNIT-20N	20010
40.8	Single Pole unit for 2000 A(AHA-20S)	CONDUNIT-20S	22010
40.9	Single Pole Unit for 2000 A	CONDUNIT-20D	24450
40.10	Single Pole Unit for 2500 A/3200 A(AHA)	CONDUNIT-25D	26510
40.11	Single Pole Unit for 3200 A/4000 A(AHA)	CONDUNIT-30D	53120
40.12	Single Pole Unit for 4000 A	CONDUNIT-40D	63260



Pole Unit



Arc Chutes

41 Arc Chutes

For ACB Rating (Amp)	Reference	Qty. Required * Per Pole	Unit Price (₹)
630A-1600A/2000A (AHA-20N)	ARCCHT-06D-16D	1	2430
2000A (AHA-20S)	ARCCHT-20S	1	3150
2000A	ARCCHT-20D	1	3150
2500A/3200A (AHA)	ARCCHT-25D	1	3680
3200A/4000A (AHA)	ARCCHT-30D	1	7960
4000A	ARCCHT-40D	1	8530

* * To arrive at total quantity per ACB, multiply by 3 or 4 depending upon number of poles in the ACB.

42 Charging Motors (110V AC/DC) or (220V AC/DC)

For Air Circuit Breaker Rating (A)	Reference	Unit Price (₹)
630A-1600A / 2000A(AHA)	AMH-1	17820
2000A-4000A / 3200A(AHA)-4000A(AHA)	AMH-2	23230

Other Spares

Sl. No.	Description	Reference	Unit Price (₹)
43.	New Style Micro Switch for Motor cut OFF 630A-4000A	MICROSW *	860
44.	Anti Pumping Relay 630A-4000A Upto 1600A / 2000A(AHA), 3P Upto 1600A / 2000A(AHA), 4P	CS-ANTPUMPRLY-1 ** CS-ANTPUMPRLY-1(4P) **	2960
	2000A-2500A / 3200A(AHA), 3P 2000A-2500A / 3200A(AHA), 4P	CS-ANTPUMPRLY-2 ** CS-ANTPUMPRLY-2(4P) **	3470
	3200A-4000A / 4000A(AHA), 3P 3200A-4000A / 4000A(AHA), 4P	CS-ANTPUMPRLY-3 ** CS-ANTPUMPRLY-3(4P) **	3980
45.	Manual Charging Handle 630A-1600A / 2000A(AHA)	MCLHND-6D-16D	2350
46.	Manual Charging Handle 2000A-4000A / 3200A(AHA) - 4000A(AHA)	MCLHND-20D-40D	2550
47.	Drawout Handle 630A-1600A / 2000A(AHA)	DRHND-6D-16D	1940
48.	Drawout Handle 2000A-4000A / 3200A(AHA) - 4000A(AHA)	DRHND-20D-40D	2350
49.	Magnet Hold Trigger 6D-16D/2000A (AHA)	MHT-16D	2550
50.	Magnet Hold Trigger 20D-25D / 3200A(AHA), 3P	MHT-20D-25D3P	3320
	Magnet Hold Trigger 20D-25D / 3200A(AHA), 4P	MHT-20D-25D4P	3780
51.	Magnet Hold Trigger 30D-40D & 4000A(AHA), 3P	MHT-30D-40D3P	3420
	Magnet Hold Trigger 30D-40D & 4000A(AHA), 4P	MHT-30D-40D4P	3880
52.	D/O Telescopic Rail (L) Upto 1600A & 2000A(AHA) 2000A - 2500A / 3200A (AHA) 3200A - 4000A / 4000A (AHA)	DRTLRAIL (L) - 1 DRTLRAIL (L) - 2 DRTLRAIL (L) - 3	920
53.	D/O Telescopic Rail (R) Upto 1600A & 2000A(AHA) 2000A - 2500A / 3200A (AHA) 3200A - 4000A / 4000A (AHA)	DRTLRAIL (R) - 1 DRTLRAIL (R) - 2 DRTLRAIL (R) - 3	920

Note : * * New developed Microswitch

* * * Please specify ACB rating & type while ordering for spares.

**Voltage Code for Antipumping Relay

	24/30V	48V	110V	220V	415V
AC	--	--	FA	MA	NA
DC	BD	ED	FD	MD	-

54 *Auxiliary Isolating Contact Blocks

Description	Reference	Unit Price (₹)
Breaker & Cradle Side 12 Way	AIH-BC	3570

*Auxiliary Isolating Contact Blocks has to be order together for Cradle & Breaker side.

55 Communication Module

Description	Reference	Unit Price (₹)
Communication Module for Micropro 4.1 & 5.1 Release	CSPSCM-MICROPRO	POR
Power Supply Module	CSPSM-MICROPRO	POR
Power Supply & Relay Module MicroPro 4.1 & 5.1 Release	CSPSRM-MICROPRO	POR
Battery Module for MicroPro 4.1 & 5.1 Release	CS-MPBU4.1.1	POR

AH/AHA ACB ORDER FORM

Please fill separate sheet for each type of ACB. Tick ☒ the box in front of each appropriate item and fill in the blanks.

CUSTOMER NAME		ORDER NO. & DATE		DELIVERY DATE		END USER / PANEL BUILDER NAME & PHONE NO.	
RATING OF ACB REQUIRED	☐ 630 A	☐ 1000 A	☐ 1600 A	☐ 2500 A	☐ 4000 A	☐ 6300 A	QTY. (NOS.)
	☐ 800 A	☐ 1250 A	☐ 2000 A	☐ 3200 A	☐ 5000 A		
NO. OF POLES	☐ 3 POLE	☐ 4 POLE	AMBIENT TEMP.		☐ 40 °C	☐ 50 °C	
MOUNTING	☐ FIXED ☐ DRAWOUT ☐ 12/24/36 WAY AUX. ISOLATING CONTACT ASSLY. ☐ POSITION INDICATION SWITCH ☐ SHORT CIRCUIT CONTACTS _____ NOS / ACB						
	☐ MANUAL ☐ ELECTRICAL ☐ CLOSING COIL _____ V AC / _____ V DC ☐ SHUNT TRIP COIL _____ V AC / _____ V DC ☐ MOTOR ☐ 240V AC ☐ 220V DC ☐ 110V AC ☐ 110V DC						
RELEASES	☐ WITHOUT RELEASES						
	MICROPROCESSOR RELEASE ☐ μ IT-100 ☐ μ IT-G ☐ Pro 4.1 ☐ Pro 5.1		MAIN CT RATING _____ A, NEUTRAL CT RATING _____ A, SETTINGS : OVERLOAD _____ A, SHORT CIRCUIT _____ A, GROUND FAULT _____ A, INSTANTANEOUS _____ A				
	☐ COMMUNICATION MODULE ☐ POWER SUPPLY MODULE ☐ BATTERY UNIT ☐ POWER SUPPLY & RELAY MODULE		☐ THERMAL MAGNETIC EARTHFAULT REQD. ☐ NOT REQD. ☐ SHUNT TRIP _____ V AC / _____ V DC (220V AC SHUNT TRIP IS PROVIDED AS STANDARD) REQUIRED MAIN CT RATING _____ A SETTING OF NON-ADJ. MAG. INST. TRIP _____ KA				
	UNLESS & OTHERWISE SPECIFIED, ALL SETTINGS OF RELEASES WOULD BE SET AT MINIMUM VALUES.						
ACCESSORIES	☐ AUX. SW. 3 NO + 2 NC ☐ AUX. SW. 5 NO + 5 NC ☐ AUX. SW. 7 NO + 7 NC ☐ TRIP IND. SWITCH ☐ OCR ALARM SWITCH ☐ SPRING CHARGE IND. SWITCH ☐ POSITION IND. SWITCH ☐ CASTLE KEYLOCK ☐ KEY LOCK ☐ KEY INTERLOCK ☐ UVT. _____ V, DC ☐ AC ☐ ☐ 2 ACBs ☐ CLOSE-OPEN CYCLE COUNTER ☐ 3 ACBs ☐ MECHANICAL INTERLOCK HOR. ☐ VER. ☐ ☐ DOOR INTERLOCK						
	SPECIAL REQUIREMENT/ ACCESSORIES (IF ANY)						

Notes : (1) Please refer catalogue / Price-List, for further details of μ IT - 100 / μ IT - G Releases.

(2) Neutral CT is required alongwith Microprocessor Release having Ground-Fault Protection. This has to be mounted on Earth / Neutral Busbar of Panel.



CYLINDRICAL CAPACITOR

Normal Duty

Rating kVar	Reference	Rated Voltage	LP / kVar	Unit Price (₹)
1.0	☒ CSPND0001440	440 V	271	271
2.0	☒ CSPND0002440	440 V	271	542
3.0	☒ CSPND0003440	440 V	271	813
4.0	☒ CSPND0004440	440 V	271	1084
5.0	CSPND0005440	440 V	138	690
7.5	CSPND0075440	440 V	138	1035
10.0	CSPND0010440	440 V	138	1380
12.5	CSPND0125440	440 V	138	1725
15.0	CSPND0015440	440 V	138	2070
20.0	CSPND0020440	440 V	138	2760
25.0	CSPND0025440	440 V	138	3450

Heavy Duty

Rating kVar	Reference	Rated Voltage	LP / kVar	Unit Price (₹)
1.0	☒ CSPHD0001440	440 V	281	281
2.0	☒ CSPHD0002440	440 V	281	562
3.0	☒ CSPHD0003440	440 V	281	843
4.0	☒ CSPHD0004440	440 V	281	1124
5.0	CSPHD0005440	440 V	235	1175
7.5	CSPHD0075440	440 V	235	1762
10.0	CSPHD0010440	440 V	235	2350
12.5	CSPHD0125440	440 V	235	2930
15.0	CSPHD0015440	440 V	235	3525
20.0	CSPHD0020440	440 V	235	4700
25.0	CSPHD0025440	440 V	235	5875

☒ Non Stockable item

Note: Capacitors are also available in 415/480/525V. For further details please contact nearest branch office.



RECTANGULAR CAPACITOR

Normal Duty

Rating kVar	Reference	Rated Voltage	LP / kVar	Unit Price (₹)
1.0	☒ CSSND0001440	440 V	276	276
2.0	☒ CSSND0002440	440 V	276	552
3.0	☒ CSSND0003440	440 V	276	828
4.0	☒ CSSND0004440	440 V	276	1104
5.0	CSSND0005440	440 V	168	840
7.5	CSSND0075440	440 V	168	1260
10.0	CSSND0010440	440 V	163	1630
12.5	CSSND0125440	440 V	163	2038
15.0	CSSND0015440	440 V	163	2445
20.0	CSSND0020440	440 V	163	3260
25.0	CSSND0025440	440 V	163	4075
50.0	CSSND0050440	440 V	163	8150

Extra Heavy Duty

Rating kVar	Reference	Rated Voltage	LP / kVar	Unit Price (₹)
1.0	☒ CSEHD0001440	440 V	300	300
2.0	☒ CSEHD0002440	440 V	300	600
3.0	☒ CSEHD0003440	440 V	300	900
4.0	☒ CSEHD0004440	440 V	300	1200
5.0	CSEHD0005440	440 V	250	1250
7.5	CSEHD0075440	440 V	250	1875
10.0	CSEHD0010440	440 V	240	2400
12.5	CSEHD0125440	440 V	240	3000
15.0	CSEHD0015440	440 V	240	3600
20.0	CSEHD0020440	440 V	240	4800
25.0	CSEHD0025440	440 V	240	6000
50.0	CSEHD0050440	440 V	240	12000

Super Heavy Duty

Rating kVar	Reference	Rated Voltage	LP / kVar	Unit Price (₹)
1.0	☒ CSSHD0001440	440 V	373	373
2.0	☒ CSSHD0002440	440 V	373	746
3.0	☒ CSSHD0003440	440 V	373	1119
4.0	☒ CSSHD0004440	440 V	373	1492
5.0	CSSHD0005440	440 V	332	1660
7.5	CSSHD0075440	440 V	332	2490
10.0	CSSHD0010440	440 V	327	3270
12.5	CSSHD0125440	440 V	327	4088
15.0	CSSHD0015440	440 V	327	4905
20.0	CSSHD0020440	440 V	327	6540
25.0	CSSHD0025440	440 V	327	8175
50.0	CSSHD0050440	440 V	327	16350

Control & Signalling Devices

Metallic & Plastic Series



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&
RELIABLE**

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Push Buttons & Pilot Lamps

- Ø 22.5 mm Push Buttons, Emergency Stop PB, Selector switch, Illuminated & Non Illuminated Actuators in Plastic & Metallic variants
- Pilot Lamps in LED / Filament / Neon types
- Push Button Stations 1/2/3/4 ways, IP65/66, NEMA-4/4X protection
- High Mechanical and Electrical life
- Aesthetic and Elegant outlook
- Wide Range of colors / voltages available
- Conforms to IS13947-5




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Globally accepted in 78 Countries

Push Buttons (Plastic Series): 22.5mm

Without Contact Elements

Push Button Actuators with Carrier - Non-Illuminated

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Flush Spring Return Push Button	RCP2-BA1 ○	48	20	
	RCP2-BA2 ●			
	RCP2-BA3 ●			
	RCP2-BA4 ●			
	RCP2-BA5 ●			
	RCP2-BA6 ●			
Projecting Push Button	RCP2-BL1 ○	51	20	
	RCP2-BL2 ●			
	RCP2-BL3 ●			
	RCP2-BL4 ●			
	RCP2-BL5 ●			
	RCP2-BL6 ●			
Mushroom Head Push Button, Spring Return	RCP2-BC2 ●	81	8	
	RCP2-BC3 ●			
	RCP2-BC4 ●			
	RCP2-BC5 ●			
	RCP2-BC6 ●			
	RCP2-BC7 ●			
Mushroom Head Push Button Stay Put (press to lock, turn to release) $\phi 40\text{mm}$ $\phi 60\text{mm}$	RCP2-BS54 ●	112	8	
Mushroom Head Push Button, Push to Stay & Key to release	RCP2-BS64 ●	151	5	
Mushroom Head Push Button, Push to Stay & Key to release	RCP2-BS14 ●	214	8	
Push Button Stay Put $\phi 30\text{mm}$ (Press to Lock turn to release)	RCP2-BS44 ●	106	10	

Push Button Actuators with Carrier & Contact Element-Non-Illuminated

Flush Spring Return Push Button with 1NO Block	RCP2-BA11 ○	91	10	
	RCP2-BA21 ●			
	RCP2-BA31 ●			
	RCP2-BA51 ●			
	RCP2-BA61 ●			
	RCP2-BA41 ●			
Push Button with 1NC Block	RCP2-BA42 ●	93	10	
Projecting Head Push Button with 1NO Block	RCP2-BL11 ○			
	RCP2-BL21 ●			
	RCP2-BL31 ●			
	RCP2-BL51 ●			
	RCP2-BL61 ●			
Projecting PB with 1NC Block	RCP2-BL42 ●			

Push Button Actuators - Illuminated Flush without Series Resistor

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Illuminated Actuator, Flush (With BA9 Filament Bulb) 12V, 24V, 48V, 110V AC / DC	RCP2-BW316▲○	123	10	
	RCP2-BW336▲●			
	RCP2-BW346▲●			
	RCP2-BW356▲●			
	RCP2-BW366▲●			
	RCP2-BW376▲○			
Illuminated Actuator, Flush (With BA9 Neon Bulb) 220V, 380V, 415V AC / DC	RCP2-BWN336▲●	386	10	
	RCP2-BWN346▲●			
	RCP2-BWN356▲●			

Push Button Actuators - Illuminated Flush with Series Resistor

Illuminated Actuator, Flush (with BA9S Filament Bulb, 130V) 220V AC/DC	RCP2-BW317▲○	132	10	
	RCP2-BW337▲●			
	RCP2-BW347▲●			
	RCP2-BW357▲●			
	RCP2-BW367▲●			

▲ Add Voltage Code

Colour Code for Actuator / Lens

Colour Code	1	2	3	4	5	6	7
Colour of Actuator	White	Black	Green	Red	Yellow	Blue	—
Colour of Lens	White	—	Green	Red	Amber	Blue	Clear

LED Type Push Button Actuators - Illuminated Flush

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Flush Illuminated With Integral Circuit LED suitable for operations at 240V 220V, 110V, 48V, 24V & 12V	RCP2-BWL337▲●	161	10	
	RCP2-BWL347▲●			
	RCP2-BWL357▲●			
Flush Illuminated With Integral Circuit LED suitable for operations at 240V 220V, 110V, 48V, 24V & 12V	RCP2-BWL367▲●	268	10	

▲ Add Voltage Code, ✦ Operating voltage available in 240V AC, 110V & 220V DC

Push Button Actuator-Illuminated Projecting without Series Resistor

Illuminated Actuator, Flush (With BA9 Filament Bulb) 12V, 24V, 48V, 110V AC / DC	RCP2-BW116▲○	117	10	
	RCP2-BW136▲●			
	RCP2-BW146▲●			
	RCP2-BW156▲●			
	RCP2-BW166▲●			
Illuminated Actuator, Flush (With BA9 Neon Bulb) 220V, 380V, 415V AC / DC	RCP2-BW176▲○	123	10	
	RCP2-BWN136▲●			
	RCP2-BWN146▲●			
	RCP2-BWN156▲●			

▲ Add Voltage Code

Push Button Actuators - Illuminated Projecting with Series Resistor

Illuminated Actuator, Projecting (with BA9S Filament Bulb, 130V) 220V AC / DC	RCP2-BW117▲○	123	10	
	RCP2-BW137▲●			
	RCP2-BW147▲●			
	RCP2-BW157▲●			
	RCP2-BW167▲●			
	RCP2-BW177▲○			

▲ Add Voltage Code

▲ Add Voltage Code, ✦ Operating voltage available in 240V AC, 110V & 220V DC

LED Type Push Button Actuators - Illuminated Projecting Type of voltage AC/DC to be specified

Projecting Illuminated Actuator, with integral LED, suitable for operating at common Voltage AC/DC 220V, 110V, 48V, 24V &12V	RCP2-BWL137▲●	161	10
	RCP2-BWL147▲●		
	RCP2-BWL157▲●		
	RCP2-BWL187▲●		
	RCP2-BWL787▲○		
	RCP2-BWL717▲○		
Also available at operational Voltage 240V AC, 220V DC 110V AC, 110V DC	RCP2-BWL167▲●	386	10

▲ Add Voltage Code

Selector Actuators (Plastic Series): 22.5mm

Without Contact Elements

Selector Switch Actuators with Carrier

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
2-Position Selector Switch (stay put)	RCP2-BD2	151	10	
3-Position Selector Switch, centre 'OFF' (stay put)	RCP2-BD3			
2-Position Selector Switch with extra long knob (stay put)	RCP2-BJ2	156		
3-Position Selector Switch, with extra long knob centre 'OFF' (stay put)	RCP2-BJ3			
2-Position Selector Switch (Spring Return)	RCP2-BDR2	173		
3-Position Selector Switch (Spring Return)	RCP2-BDR3			
2-Position Selector Switch extra long knob (Spring Return)	RCP2-BJR2	178		
3-Position Selector Switch extra long knob (Spring Return)	RCP2-BJR3			

Selector Switch Actuators with Carrier & Contact Element

2-Position Selector Switch (stay put) with 1NO Block	RCP2-BD21	192	10	
2-Position Selector Switch, centre 'OFF' (stay put) with NO+NC Block	RCP2-BD25	230		
3-Position Selector Switch, centre 'OFF' (stay put) with NO+NC Block	RCP2-BD35	230		

Key Actuators with Carrier

2-Position Key Switch, Key removable in unactuated position	RCP2-BG2	211	
2-Position Key Switch, Key removable in both position	RCP2-BG4		
2-Position Key Switch, Key removable in 'Right Hand' position	RCP2-BG02		
2-Position (Spring Return) Key Switch, Key removable in 'Left Hand' position	RCP2-BG6		
3-Position Key Switch, Key removable in centre 'OFF' position	RCP2-BG3	216	
3-Position Key Switch, Key removable in all position	RCP2-BG0		
3-Position Key Switch, Key removable in 'Left Hand & Right Hand' position	RCP2-BG5		
3-Position Key Switch, Key removable in 'Left Hand' position	RCP2-BG9		
3-Position Key Switch, Key removable in 'Right Hand' position	RCP2-BG7		

Push Buttons Extended Range

Reset Extended Actuator Pushbutton - Round Type	RCB2AL8R	45	10	
Reset Extended Actuator Pushbutton - Hex Type	RCB2AL8H	45		
Plastic Adaptor for 30 mm hole to 22.5 mm.	RP2-BZ41M	16	20	
Metal Adaptor for 30 mm hole to 22.5 mm.	RB2-BZ41M	16		
Recess (Guarded) Push button - Plastic	RP2-BA16 RP2-BA26 RP2-BA36 RP2-BA46 RP2-BA56 RP2-BA66	40	10	
Recess (Guarded) Push button - Metal	RB2-BA16 RB2-BA26 RB2-BA36 RB2-BA46 RB2-BA56 RB2-BA66	45		
Intermittent Sounding Flashing Buzzer 15 ~ 20 mA, sound level 80 dB, 24V, 48V, 110V AC/DC 240V AC (* Add Voltage code)	RB2-KS*	123	10	

Pilot Lamps with Transformer

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Pilot Lamp (with BA9S Filament Bulb) for Input Voltage: 240V AC and output Voltage: 6VAC	RCP2-BV41	265	8	
	RCP2-BV43			
	RCP2-BV44			
	RCP2-BV45			
	RCP2-BV46			
	RCP2-BV47			
Pilot Lamp (with BA9S Filament Bulb) for input Voltage: 110V AC and output Voltage: 6V AC	RCP2-BV31			
	RCP2-BV33			
	RCP2-BV34			
	RCP2-BV35			
	RCP2-BV36			
	RCP2-BV37			

▲ Add Voltage Code

Pilot Lamps with Series Resistor

Pilot Lamp (with BA9S Filament Bulb 130V) 220V AC / DC	RCP2-BV71	106	10	
	RCP2-BV73			
	RCP2-BV74			
	RCP2-BV75			
	RCP2-BV76			
	RCP2-BV77			

▲ Add Voltage Code

Pilot Lamps with Series Resistor & Diode

Pilot Lamp (with BA9S Filament Bulb 130V) 240V AC	RCP2-BVD71	112	10	
	RCP2-BVD73			
	RCP2-BVD74			
	RCP2-BVD75			
	RCP2-BVD76			
	RCP2-BVD77			

▲ Add Voltage Code

Contact Elements - NO/NC

Contact Element 1 NO	RB2- BE-101	46	50	
Contact Element 1 NC	RB2- BE-102			

How to Order :

Actuators, Contact Elements, Lens Assemblies can also be ordered separately or in combination, as required.

Voltage Code for Pilot Lamps

Voltage Code	12V	24V	48V	110V	220V	240V	380V	415V
AC	JA	BA	EA	FA	MA	UA	QA	NA
DC	JD	BD	ED	FD	MD	-	QD	ND

Note: Please mention supply voltage of Pilot Lamps, Pilot Light Body Assemblies and Illuminated Push Buttons with product reference while ordering.

LED Type Pilot Lamp Type of voltage AC / DC to be specified

Pilot Light with integral circuit LED, suitable for operating at common Voltage AC/DC 220V, 110V, 48V, 24V & 12V	RCP2-BVL73	139	10	
	RCP2-BVL74			
	RCP2-BVL75			
	RCP2-BVL77			
	RCP2-BVL71			
Also available at operational Voltage 240V AC, 220V DC 110V AC, 110V DC	RCP2-BWL78	282		
	RCP2-BWL76			

▲ Add Voltage Code

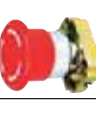
Push Buttons (Metallic Series): 22.5mm

Without Contact Elements

Push Button Actuators with Carrier - Non-Illuminated

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Flush Spring Return Push Button	RCB2-BA1	50	20	
	RCB2-BA2			
	RCB2-BA3			
	RCB2-BA4			
	RCB2-BA5			
	RCB2-BA6			
Projecting Push Button	RCB2-BL1	53	20	
	RCB2-BL2			
	RCB2-BL3			
	RCB2-BL4			
	RCB2-BL5			
	RCB2-BL6			
Booted Push Button	RCB2-BP2	84	20	
	RCB2-BP3			
	RCB2-BP4			
	RCB2-BP5			
	RCB2-BP6			
	RCB2-BP6			
Mushroom Head Push Button, Spring Return	RCB2-BC2	84	8	
	RCB2-BC3			
	RCB2-BC4			
	RCB2-BC5			
	RCB2-BC6			
	RCB2-BC6			
Mushroom Head Push Button Stay Put (press to lock, turn to release)	RCB2-BS54	116	8	
	RCB2-BS64	156	5	
Mushroom Head Push Button, Push to Stay & Pull to release	RCB2-BT4	128	8	
Mushroom Head Key Switch, Stay Put, Key removable in both positions (press to lock and key to release)	RCB2-BSI4	223	8	
Push Button Stay Put (press to lock, turn to release)	RCB2-BS44	110	10	

Push Button Actuators with Carrier & Contact Element-Non-Illuminated

Flush Spring Return Push Button with 1NO Block	RCB2-BA11	93	10	
	RCB2-BA21			
	RCB2-BA31			
	RCB2-BA51			
	RCB2-BA61			
	RCB2-BA41			
Push Button with 1NC Block	RCB2-BA42	95	10	
Projecting Head Push Button with 1NO Block	RCB2-BL11			
	RCB2-BL21			
	RCB2-BL31			
	RCB2-BL51			
	RCB2-BL61			
Projecting PB with 1NC Block	RCB2-BL42	156	8	
Mushroom Head Push Button Stay Put (press to lock, turn to release) with 1NC Block	RCB2-BS642			

Mushroom Head Actuators - Illuminated

Mushroom head push button illuminated (with BA9S Filament Bulb, 130V) 220V AC/DC 40mm - 2 position Momentary	RCB2-BW437	278	8	
	RCB2-BW447			
- 2 position Maintained	RCB2-BW637	319	8	
	RCB2-BW647			

Push Button Actuators-Illuminated Flush without Series Resistor

Illuminated Actuator, Flush (with BA9S Filament Bulb) 12V, 24V, 48V, 110V AC/DC	RCB2-BW316	128	10	
	RCB2-BW336			
	RCB2-BW346			
	RCB2-BW356			
	RCB2-BW366			
	RCB2-BW376			
Illuminated Actuator, Flush (with BA9S Neon Bulb) 220V, 380V, 415V AC/DC	RCB2-BWN336			
	RCB2-BWN346			
	RCB2-BWN356			
	RCB2-BWN366			

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Push Button Actuators - Illuminated with Series Resistor

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Illuminated Actuator, Flush (with BA9S Filament Bulb, 130V) 220V AC/DC	RCB2-BW317	136	10	
	RCB2-BW337			
	RCB2-BW347			
	RCB2-BW357			
	RCB2-BW367			
	RCB2-BW377			

▲ Add Voltage Code

LED Type Push Button Actuators - Illuminated Flush

Flush Illuminated Actuator, with integral circuit LED, suitable for operating at common voltage AC/DC 220V, 110V, 48V, 24V & 12V Also available at operational voltage 240V AC, 220VDC, 110V AC, 110V DC	RCB2-BWL337	167	10	
	RCB2-BWL347			
	RCB2-BWL357			
	RCB2-BWL317			
	RCB2-BWL377			
	RCB2-BWL387			
	RCB2-BWL367	278	10	

▲ Add Voltage Code

Push Button Actuators - Illuminated Projecting without Series Resistor

Illuminated Actuator, Projecting (with BA9S Filament Bulb) 12V, 24V, 48V, 110V AC / DC	RCB2-BW116	121	10	
	RCB2-BW136			
	RCB2-BW146			
	RCB2-BW156			
	RCB2-BW166			
	RCB2-BW176			
Illuminated Actuator, Projecting (with BA9S Neon Bulb) 220V, 380V, 415V AC / DC	RCB2-BWN136			
	RCB2-BWN146			
	RCB2-BWN156			

▲ Add Voltage Code

Push Button Actuators - Illuminated Projecting with Series Resistor

Illuminated Actuator, Projecting (with BA9S Filament Bulb, 130V) 220V AC / DC	RCB2-BW117	128	10	
	RCB2-BW137			
	RCB2-BW147			
	RCB2-BW157			
	RCB2-BW167			
	RCB2-BW177			

▲ Add Voltage Code

LED Type Push Button Actuators - Illuminated Projecting Type of voltage AC/DC to be specified

Projecting Illuminated Actuator, with integral circuit LED, suitable for operating at 240V, 220V, 110V, 48V, 24V & 12V	RCB2-BWL137	167	10	
	RCB2-BWL147			
	RCB2-BWL157			
Projecting Illuminated Actuator, with integral circuit LED, suitable for operating at 240V, 220V, 110V, 48V, 24V & 12V	RCB2-BWL167	399	10	

▲ Add Voltage Code ♦ Operating Voltage available in 240V AC & 220V DC

Double Push Button Actuators - Illuminated Flush without Series Resistor

Illuminated Double Push Button, Flush Green & Red Knob marked I&O respectively (with BA9S Neon Bulb) 220V, 380V, 415V AC / DC	RCB2-BWN96	174	8	
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▲ Add Voltage Code

Double Push Button Actuators with Carrier - Flush

Double Push Button, Flush Green & Red Knob marked I&O respectively	RCB2-BA87	99	10	
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Selector Actuators (Metallic Series): 22.5mm

Without Contact Elements

Selector Switch Actuators with Carrier

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
2-Position Selector Switch (stay put)	RCB2-BD2	156	10	
3-Position Selector Switch, centre 'OFF' (stay put)	RCB2-BD3			
2-Position Selector Switch with extra long knob (stay put)	RCB2-BJ2	162		
3-Position Selector Switch, with extra long knob centre 'OFF' (stay put)	RCB2-BJ3			
2-Position Selector Switch (Spring Return)	RCB2-BDR2	179		
3-Position Selector Switch (Spring Return)	RCB2-BDR3			
2-Position Selector Switch extra long knob (Spring Return)	RCB2-BJR2	185		
3-Position Selector Switch extra long knob (Spring Return)	RCB2-BJR3			

Selector Switch Actuators with Carrier & Contact Element

2-Position Selector Switch (stay put) with 1NO Block	RCB2-BD21	197	10	
2-Position Selector Switch, centre 'OFF' (stay put) with NO+NC Block	RCB2-BD25	236		
3-Position Selector Switch, centre 'OFF' (stay put) with NO+NC Block	RCB2-BD35	236		

Selector Switch Actuators - Illuminated with series resistor

2-Position Illuminated Selector Switch (with BA9S Filament Bulb 130V) suitable for operation at 220V AC / DC	RCB2-BK1237▲●	242	10			
	RCB2-BK1247▲●					
	RCB2-BK1257▲●					
3-Position Illuminated Selector Switch (with BA9S Filament Bulb 130V) suitable for operation at 220V AC / DC	RCB2-BK1337▲●●	242				
	RCB2-BK1347▲●●					
	RCB2-BK1357▲●●					

▲ Add Voltage Code

Selector Switch Actuators-Illuminated with integral circuit LED available on request

Selector Switch Actuators - Illuminated without series resistor

2-Position Illuminated Selector Switch (with BA9S Filament Bulb) 24V, 48V, 110V AC/DC	RCB2-BK1236▲●●	242	10	
	RCB2-BK1246▲●●			
	RCB2-BK1256▲●●			
3-Position Illuminated Selector Switch (with BA9S Filament Bulb) 24V, 48V, 110V AC/DC	RCB2-BK1336▲●●	242		
	RCB2-BK1346▲●●			
	RCB2-BK1356▲●●			
2-Position Illuminated Selector Switch (with BA9S Neon Bulb) suitable for operation at 220V, 380V, 415V AC / DC	RCB2-BKN1236▲●●	242		
	RCB2-BKN1246▲●●			
	RCB2-BKN1256▲●●			
3-Position Illuminated Selector Switch (with BA9S Neon Bulb) suitable for operation at 220V, 380V, 415V AC / DC	RCB2-BKN1336▲●●	242		
	RCB2-BKN1346▲●●			
	RCB2-BKN1356▲●●			

▲ Add Voltage Code

Voltage Code for Pilot Lamps

Voltage Code	12V	24V	48V	110V	220V	240V	380V	415V
AC	JA	BA	EA	FA	MA	UA	QA	NA
DC	JD	BD	ED	FD	MD	-	QD	ND

1. Push Button & Selector Switch Actuators also available with Black Bezel on request.
2. To order add suffix 7 to the product code. e.g RCB2-BA4 will become RCB2-BA47.

Key Actuators with Carrier

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
2-Position Key Switch, Key removable in unactuated position	RCB2-BG2	220	10	
2-Position Key Switch, Key removable in both position	RCB2-BG4			
2-Position Key Switch, Key removable in 'Right Hand' position	RCB2-BG02			
3-Position Key Switch, Key removable in centre 'OFF' position	RCB2-BG3	225		
3-Position Key Switch, Key removable in all position	RCB2-BG0			
3-Position Key Switch, Key removable in 'Left Hand & Right Hand ' position	RCB2-BG5			
3-Position Key Switch, Key removable in 'Left Hand' position	RCB2-BG9			
3-Position Key Switch, Key removable in 'Right Hand' position	RCB2-BG09			
3-Position (Spring Return) Key Switch, Key removable in 'Center' position	RCB2-BG7			

Key Actuators with Carrier & Contact element

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
2-Position Key Switch with 1NO Block, Key removable in unactuated position	RCB2-BG21	258	10	
2-Position Key Switch with 1NO Block, Key removable in both position	RCB2-BG41			
3-Position Key Switch with 1NO+1NC Block key removable in centre 'OFF' position	RCB2-BG31	303		
3-Position Key Switch with 1NO+1NC Block key removable in all position	RCB2-BG04	303		

Contact Elements - NO/NC

Contact Element 1 NO	RB2- BE-101	46	50	
Contact Element 1 NC	RB2- BE-102			

How to Order :

Actuators, Contact Elements, Lens Assemblies can also be ordered separately or in combination, as required.

Colour Code for Actuator / Lens

Colour Code	1	2	3	4	5	6	7
Colour of Actuator	White	Black	Green	Red	Yellow	Blue	—
Colour of Lens	White	—	Green	Red	Amber	Blue	Clear

Pilot Lamps (Metallic Series): 22.5mm

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LED Type Pilot Lamp

Type of voltage AC/DC to be specified

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Pilot Light with integral circuit LED, suitable for operating at common voltage AC/DC 220V, 110V, 48V, 24V & 12V Also available at operational voltage 240V AC, 220VDC, 110V AC, 110V DC	RCB2-BVL73▲●	144	10	
	RCB2-BVL74▲●			
	RCB2-BVL75▲●			
	RCB2-BVL77▲○			
	RCB2-BVL78▲●	292	10	
	RCB2-BVL76▲●			

▲Add Voltage Code

Pilot Lamps with Transformer

Pilot Lamp (with BA9S Filament Bulb) for Input Voltage : 240V AC and Output Voltage : 6V AC	RCB2-BV41▲	276	8	
	RCB2-BV43▲●			
	RCB2-BV44▲●			
	RCB2-BV45▲●			
	RCB2-BV46▲●			
	RCB2-BV47▲○			
	RCB2-BV31▲			
Pilot Lamp (with BA9S Filament Bulb) for Input Voltage : 110V AC and Output Voltage : 6V AC	RCB2-BV33▲●			
	RCB2-BV34▲●			
	RCB2-BV35▲●			
	RCB2-BV36▲●			
	RCB2-BV37▲○			

▲Add Voltage Code

Pilot Lamps with Series Resistor

Pilot Lamp (with BA9S Filament bulb 130V) 220V AC / DC	RCB2-BV71▲	110	10	
	RCB2-BV73▲●			
	RCB2-BV74▲●			
	RCB2-BV75▲●			
	RCB2-BV76▲●			
	RCB2-BV77▲○			

▲Add Voltage Code

Pilot Lamps with Series Resistor & Diode

Pilot Lamp (with BA9S Filament Bulb 130V) 240V AC	RCB2-BVD71▲	116	10	
	RCB2-BVD73▲●			
	RCB2-BVD74▲●			
	RCB2-BVD75▲●			
	RCB2-BVD76▲●			
	RCB2-BVD77▲○			

▲Add Voltage Code



Integrated LED Pilot Lamp

Type of voltage AC/DC to be specified

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture	
Integral LED pilot Lamp suitable for operating at common voltage AC/DC 220V, 110V, 48V, 24V & 12V Also available at operational voltage 240V AC, 220VDC, 110V AC, 110V DC	RCB7-IVL73▲●	110	15		
	RCB7-IVL74▲●				
	RCB7-IVL75▲●				
	RCB7-IVL77▲○				
	RCB7-IVL78▲●	221	15		
RCB7-IVL76▲●					
Wide range: 12V~240V AC/DC	RCB7-IVL71▲	133	15		
	RCB7-IVL73▲●				
	RCB7-IVL74▲●				
	RCB7-IVL75▲●				
	RCB7-IVL77▲●				
	RCB7-IVL78▲●	250	15		
	RCB7-IVL76▲●				
	RCB7-IVL71▲○				

▲Add Voltage Code

Voltage Code for Pilot Lamps

Voltage Code	12V	24V	48V	110V	220V	240V	380V	415V
AC	JA	BA	EA	FA	MA	UA	QA	NA
DC	JD	BD	ED	FD	MD	-	QD	ND

Note : Please mention supply voltage of Pilot Lamps, Pilot Light Body Assemblies and Illuminated Push Buttons with product reference while ordering.

Accessories (Metallic Series)

For Push Buttons & Pilot Lamps : 22.5mm

Operating Heads Without Contact Block and Carrier

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Pilot Lamp Head	RB2-BVO1	49	20	
	RB2-BVO3 ●			
	RB2-BVO4 ●			
	RB2-BVO5 ●			
	RB2-BVO6 ●			
RB2-BVO7 ○				
Flush Push Button	RB2-BA1	49	20	
	RB2-BA2 ●			
	RB2-BA3 ●			
	RB2-BA4 ●			
	RB2-BA5 ●			
RB2-BA6 ●				
Projecting Push Button	RB2-BL1	54	20	
	RB2-BL2 ●			
	RB2-BL3 ●			
	RB2-BL4 ●			
	RB2-BL5 ●			
RB2-BL6 ●				
Mushroom Spring Return	RB2-BC2 ●	79	8	
	RB2-BC3 ●			
	RB2-BC4 ●			
	RB2-BC5 ●			
	RB2-BC6 ●			
Mushroom Stay Put	φ30mm RB2-BS44 ●	96	10	
	φ40mm RB2-BS54 ●	107	08	
	φ60mm RB2-BS64 ●	141	05	
Mushroom illuminated - 2 position Momentary	RCB2-BW43 ●	180	08	
	RCB2-BW44 ●			
- 2 position Maintained	RCB2-BW64 ●	213	08	
	RCB2-BW63 ●			
Booted Push Button	RB2-BP2 ●	79	20	
	RB2-BP3 ●			
	RB2-BP4 ●			
	RB2-BP5 ●			
	RB2-BP6 ●			
Double Headed without Light	RB2-BA87	90	10	
Double Headed Push Button with Light	RB2-BW9	101	10	
Illuminated Flush Push Button	RB2-BW33 ●	59	10	
	RB2-BW34 ●			
	RB2-BW35 ●			
	RB2-BW36 ●			
	RB2-BW37 ○			
Illuminated Projecting Push Button	RB2-BW13 ●	65	10	
	RB2-BW14 ●			
	RB2-BW15 ●			
	RB2-BW16 ●			
	RB2-BW17 ○			
Illuminated Selector 2-Position Stay Put	RB2-BK123 ●	152	10	
	RB2-BK124 ●			
	RB2-BK125 ●			
Illuminated Selector 3-Position Stay Put	RB2-BK133 ●	168	10	
	RB2-BK134 ●			
	RB2-BK135 ●			

Operating Heads LED, Neon Pilot Lamp / Push Button Without Contact Block and Carrier

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
LED Pilot Lamp Head	RB2-BVLO3 ●	42	20	
	RB2-BVLO4 ●			
	RB2-BVLO5 ●			
	RB2-BVLO6 ●			
LED Illuminating Flush Push Button	RB2-BWL33 ●	64	10	
	RB2-BWL34 ●			
	RB2-BWL35 ●			
	RB2-BWL36 ●			
LED Illuminating Projecting P button	RB2-BWL13 ●	76	10	
	RB2-BWL14 ●			
	RB2-BWL15 ●			
	RB2-BWL16 ●			

Operating Heads Without Contact Block and Carrier

Description	Reference	Operating Handle	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Selector 2-Position, Stay Put	RB2-BD2	Standard	145	10	
Selector 2-Position, Stay Put	RB2-BJ2	Long	156		
Selector 2-Position, Spring Return	RB2-BDR2	Standard	145		
Selector 2-Position, Stay Put	RB2-BJR2	Long	156		
Selector 3-Position, Stay Put (Centre OFF)	RB2-BD3	Standard	145		
Selector 3-Position, Stay Put (Centre OFF)	RB2-BJ3	Long	156		
Selector 3-Position, Spring Return (Centre OFF)	RB2-BDR3	Standard	145		
Selector 3-Position, Stay Put	RB2-BJR3	Long	156		
Key Selector 2-Position, Stay Put	RB2-BG2	Key removable in L.H. position	213		
Key Selector 2-Position, Stay Put	RB2-BG4	Key removable in both positions	213		
Key Selector 2-Position, Stay Put	RB2-BG02	Key removable in R . H. position	213	213	
Key Selector 2-Position, Spring Return Stay Put	RB2-BG6	Key removable in L.H. position	213		
Key Selector 3-Position, Stay Put	RB2-BG3	Key removable in centre position	213		
Key Selector 3-Position, Stay Put	RB2-BG0	Key removable in all positions	213		
Key Selector 3-Position, Stay Put	RB2-BG5	Key removable in L.H. & R.H. position	213		
Key Selector 3-Position, Stay Put	RB2-BG9	Key removable in L. H. position	220		
Key Selector 3-Position, Stay Put	RB2-BG09	Key removable in R.H. position	220		
Key Selector 3-Position, Both Side Spring Return	RB2-BG7	Key removable in Centre position	220		
Mushroom Head with Key Stay Put	RB2-BS14 ●	Key removable in both positions	220	8	

Accessories (Metallic Series)

For Push Buttons & Pilot Lamps : 22.5mm

Body Assemblies with Contact Blocks, Screw & Captive Clamp Connection

Description	Reference	Contact Type	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
For Actuators, Push Buttons, Selectors and Key Switches	RB2-BZ101	NO	70	20	
	RB2-BZ102	NC			
	RB2-BZ103	NO + NO	118	10	
	RB2-BZ104	NC + NC			
	RB2-BZ105	NO + NC			

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Filament Bulb (BA9S) 130V, 48V, 24V, 12V & 6V (2.6W max.)	RL1-CF	21	20	
Neon Bulb (BA9S) 415V, 380V, 220V	RL1-CN	21		
Set of Lens (one inner and one outer) for Pilot Lamp Head	RB2-BV00*	23	10	
Lens for LED & Neon Type Pilot Lamp (w/o inner lens)	RB2-BVL00*	21		
Set of Lens (one inner and one outer) for Illuminating Actuator	RB2-BW00*	23		
Lens for Illuminating LED & Neon actuator (w/o inner lens)	RB2-BWL00*	23		
Silicon Cap suitable for, - Booted Push Button - Push Buttons Flush - Push Buttons Illuminated	RB2BP00 RC-S RC-L	23 30		
Adaptor for assembly of $\phi 30.5$ mm in $\phi 22.5$ mm	RB2-BZ41	29	10	
Legend Plate with inscription (On, Off, Start, Stop, Slow, Fast, Forward, Reverse, Up, Down, Open, Close, Auto, Auto-o-Hand, Auto - Hand, Reset, Inch.)	RB2-BYN	17	10	
Body / Carrier with mounting screws (passivated) for making different assemblies	RB2-B*	21	20	
Yellow legend (PVC) $\phi 60$ mm	RB2-PY9330	28	10	
"Emergency Stop" $\phi 90$ mm	RB2-PY8330	32	10	

How to Order :

- Actuators, switch elements, lens assemblies can be ordered separately or in combination.
- Basic type designation for actuators is "RB2-B".

Numerical colour code is added as a suffix to indicate the colour of the actuator or lens. Remove "*" and put numerical code as indicated below:

Colour Code	1	2	3	4	5	6	7
Colour of Actuator	White	Black	Green	Red	Yellow	Blue	—
Colour of Lens	White	—	Green	Red	Amber	Blue	Clear

- Different suffixes are assigned for flush, projecting, selector actuators etc.
- The type designation for contact element is '1' for NO and '2' for NC.
- Basic type designation for legend plates is "RB2-BY". To complete code with type of inscription please remove "*" and put numerical code as indicated below.

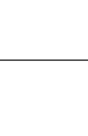
Standard Text	Reference	Standard Text	Reference
Start	2303	Stop	2304
Forward	2305	Reverse	2306
Up	2307	Down	2308
On	2311	Off	2312
Open	2313	Close	2314
Auto	2315	Hand	2316
Reset	2323	Inch	2321
Slow	2327	Fast	2328
Auto - Hand	2364	Auto - O - Hand	2385

IMPORTANT :

- Ordered quantities should be in multiple of standard packing.
- Illuminated Push Buttons & Pilot Lamps will be supplied with bulb only.
- N in product code stands for Neon Bulb.

Control Stations (Assembled)

Complete Control Stations - Start and Stop Functions Plastic, Spring Return

Description	Scheme	Colour	Marking on Legend	Reference	Unit Price (₹)	Product Picture
1 Flush Push Button	NO	3	I START	RC 1P 102 RC 1P 103	393	
1 Flush Push Button	NC	4	O STOP	RC 1P 112 RC 1P 114		
Latching Push Button	NC	4	STOP	RC 1PBS542 RC 1PYBS542	449	
Mushroom Head Key Switch	NC	4	STOP	RC 1PBS142 RC 1PYBS142	539	
2 Flush Push Button	NO+NC	3 4	I O	RC 2P 213	528	
2 Flush Push Button	NO+NC	3 4	START STOP	RC 2P 215	528	

Complete Control Stations Directional/Movement Control Functions Plastic, Spring Return

2 Flush Push Button	NO + NO	1	Up-Down	RC 2P 222	528	
		2	Right-Left	RC 2P 222A		
		1	Open-Close	RC 2P 223		
		2	Forward - Reverse	RC 2P 223A		
3 Flush Push Button	NO + NC + NO	1	Forward	RC 3P 311	719	
		2	Stop	RC 3P 321		
		3	Reverse	RC 3P 321		
		1	Right	RC 3P 331		
		2	Stop	RC 3P 331		
		3	Left	RC 3P 341		
		1	Open	RC 3P 341		
		2	Stop	RC 3P 341		
		1	Up	RC 3P 324		
		2	Down	RC 3P 334		

Control Stations for Customer Assembly Empty Enclosure, Plastic

Description	Number of Ways	Reference	Unit Price (₹)	Product Picture
Top				
Base				
Yellow	1	RC - 1PY	278	
Bone	1	RC - 1P	278	
Grey	2	RC - 2P	301	
	3	RC - 3P	343	
	4	RC - 4P	391	

* Empty Enclosure's are available without contact blocks and push buttons and can be assembled with the accessories / spare parts as per specified requirements.

Control Stations (Assembled)

Complete Control Stations - Start and Stop Functions Metal, Spring Return

Description	Scheme	Colour	Marking on Legend	Reference	Unit Price (₹)	Product Picture
1 Flush Push Button	NO	3	I	RC 1M 102	521	
			START	RC 1M 103		
1 Flush Push Button	NC	4	O	RC 1M 112		
			STOP	RC 1M 114		
Latching Push Button	NC	4	STOP	RC 1MBS542	573	
Mushroom Head Key Switch	NC	4	STOP	RC 1MBS142	669	
2 Flush Push Button	NO+NC	3	I	RC 2M 213	658	
		4	O			
2 Flush Push Button	NO+NC	3	START	RC 2M 215		
		4	STOP			

Complete Control Stations Directional/Movement Control Functions Metal, Spring Return

2 Flush Push Button	NO + NO	1	Up - Down	RC 2M 222	640	
		2	Right -Left	RC 2M 223		
		1	Open-Close	RC 2M 241		
		2	Forward-Reverse	RC 2M 222B		
3 Flush Push Button	NO + NC + NO	3	Forward	RC 3M 311	809	
		4	Stop	RC 3M 321		
		3	Down	RC 3M 331		
			Right Stop Left	RC 3M 341		
			Open Stop Close	RC 3M 341		
		1	Up	RC 3M 324		
		4	Down	RC 3M 334		
		2	Right -Left	RC 3M 334		

Control Stations for Customer Assembly Empty Enclosure, Metal

Description		Number of Ways	Reference	Unit Price (₹)	Product Picture
Top	Base				
Smoke	Dark	1	RC - 1M	416	
		2	RC - 2M	438	
Grey	Grey	3	RC - 3M	517	
		4	RC - 4M*	629	

* Empty Enclosure's are available without contact blocks and push buttons and can be assembled with the accessories / spare parts as per specified requirements.

Operating Head for Control Stations For Customer assembly

Plastic Operating Heads without contact Block use with RC.P & RC.M enclosures - IP65

Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Flush Push Button Spring Return	RP2-BA1 ○	48	20	
	RP2-BA2 ●			
	RP2-BA3 ●			
	RP2-BA4 ●			
	RP2-BA5 ●			
	RP2-BA6 ●			
Projecting Push Button	RP2-BL1 ○	48	20	
	RP2-BL2 ●			
	RP2-BL3 ●			
	RP2-BL4 ●			
	RP2-BL5 ●			
	RP2-BL6 ●			
Mushroom Spring Return	RP2-BC2 ●	74	8	
	RP2-BC3 ●			
	RP2-BC4 ●			
	RP2-BC5 ●			
	RP2-BC6 ●			
Mushroom Stay Put	φ30mm RP2-BS44 ●	90	10	
	φ40mm RP2-BS54 ●	101	08	
	φ60mm RP2-BS64 ●	135	05	

Operating Heads for Control Stations Without Contact Block and Carrier

Description	Reference	Operating Handle	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Selector 2-Position, Stay Put	RP2-BD2	Standard	145	10	
Selector 2- Position, Spring Return	RP2-BDR2	Standard	145		
Selector 3-Position, Stay Put (Centre OFF)	RP2-BD3	Standard	145		
Selector 3-Position, Spring Return (Centre OFF)	RP2-BDR3	Standard	145		
Key Selector 2-Position, Stay Put	RP2-BG2	Key removable in L.H. position	197		
Key Selector 2-Position, Stay Put	RP2-BG4	Key removable in both positions	208		
Key Selector 2-Position, Stay Put	RP2-BG02	Key removable in R . H. position			
Key Selector 2-Position, Spring Return Stay Put	RP2-BG6	Key removable in L.H. position			
Key Selector 3-Position, Stay Put	RP2-BG3	Key removable in centre position	220		
Key Selector3-Position, Stay Put	RP2-BG0	Key removable in all positions			
Key Selector 3-Position, Stay Put	RP2-BG5	Key removable in L.H. & R.H. position	220	213	
Key Selector 3-Position, Stay Put	RP2-BG9	Key removable in L. H. position			
Key Selector 3-Position, Stay Put	RP2-BG09	Key removable in R.H. position			
Key Selector 3-Position, Both Side Spring Return	RP2-BG7	Key removable in Centre position			
Mushroom Head with Key Stay Put	RP2-BS14 ●	Key removable in both positions	208	8	

Operating Head for Control Stations

For Customer assembly

Metallic Operating Heads without contact Block
for RC.P & RC.M enclosures - IP65

GLOBAL CERTIFICATION



Description	Reference	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Flush Push Button Spring Return	RM2-BA1 ○	50	20	
	RM2-BA2 ●			
	RM2-BA3 ●			
	RM2-BA4 ●			
	RM2-BA5 ●			
	RM2-BA6 ●			
	RM2-BA334 ⬆			
Projecting Push Button	RM2-BA335 ⬆	52	20	
	RM2-BL1 ○			
	RM2-BL2 ●			
	RM2-BL3 ●			
	RM2-BL4 ●			
	RM2-BL5 ●			
Mushroom Spring Return φ40mm	RM2-BL6 ●	85	8	
	RM2-BC2 ●			
	RM2-BC3 ●			
	RM2-BC4 ●			
	RM2-BC5 ●			
Mushroom Stay Put φ30mm φ40mm φ60mm	RM2-BC6 ●	104	10	
	RM2-BS44 ●			
	RM2-BS54 ●			
Mushroom Push-Pull Type φ40mm	RM2-BS64 ●	110	08	
	RM2-BT44 ●	110	08	

Operating Heads for Control Stations Without Contact Block and Carrier

Description	Reference	Operating Handle	Unit Price (₹)	Std. Pkg. (No's)	Product Picture
Selector 2-Position, Stay Put	RM2-BD2	Standard	145	10	
Selector 2- Position, Spring Return	RM2-BDR2	Standard	145		
Selector 3-Position, Stay Put (Centre OFF)	RM2-BD3	Standard	145		
Selector 3-Position, Spring Return (Centre OFF)	RM2-BDR3	Standard	145		
Key Selector 2-Position, Stay Put	RM2-BG2	Key removable in L.H. position	197		
Key Selector 2-Position, Stay Put	RM2-BG4	Key removable in both positions	208		
Key Selector 2-Position, Stay Put	RM2-BG02	Key removable in R . H. position			
Key Selector 2-Position, Spring Return Stay Put	RM2-BG6	Key removable in L.H. position			
Key Selector 3-Position, Stay Put	RM2-BG3	Key removable in centre position	220		
Key Selector3-Position, Stay Put	RM2-BG0	Key removable inall positions			
Key Selector 3-Position, Stay Put	RM2-BG5	Key removable in L..H. & R.H. position	220		
Key Selector 3-Position, Stay Put	RM2-BG9	Key removable in L. H. position	231		
Key Selector 3-Position, Stay Put	RM2-BG09	Key removable in R.H. position			
Key Selector 3-Position, Both Side Spring Return	RM2-BG7	Key removable in Centre position	208	8	
Mushroom Head with Key Stay Put	RM2-BS14●	Key removable in both positions			

Contact Blocks - Base Mounted

For Control Stations Customer Assembly

Description	Reference	Contact Type	Unit Price (₹)	Std. Pkg.	Product Picture
Contact Block- Slow Break	RB2BE-101B M/P *	NO	46	50	
	RB2BE-102B M/P *	NC			

* Please specify 'M' if required for Metallic and 'P' if required for Plastic.

Legends (Stickers) are supplied with the following standard texts, Plastic

Standard Text	Reference	Unit Price (₹)	Standard Text	Reference	Unit Price (₹)
Start	RP2-BY2303	6	Stop	RP2-BY2304	6
Forward	RP2-BY2305		Reverse	RP2-BY2306	
Up	RP2-BY2307		Down	RP2-BY2308	
On	RP2-BY2311		Off	RP2-BY2312	
Open	RP2-BY2313		Close	RP2-BY2314	
Auto	RP2-BY2315		Hand	RP2-BY2316	
Reset	RP2-BY2323		Inch	RP2-BY2321	
Slow	RP2-BY2327		Fast	RP2-BY2328	
Power On	RP2-BY2326		Emer.Stop	RP2-BY2330	
Right	RP2-BY2309		Left	RP2-BY2310	
O	RP2-BY2146		--	RP2-BY2147	
→	RP2-BY1912		←	RP2-BY1913	
↑	RP2-BY1914		↓	RP2-BY1915	

Note: Minimum order of #10 each.

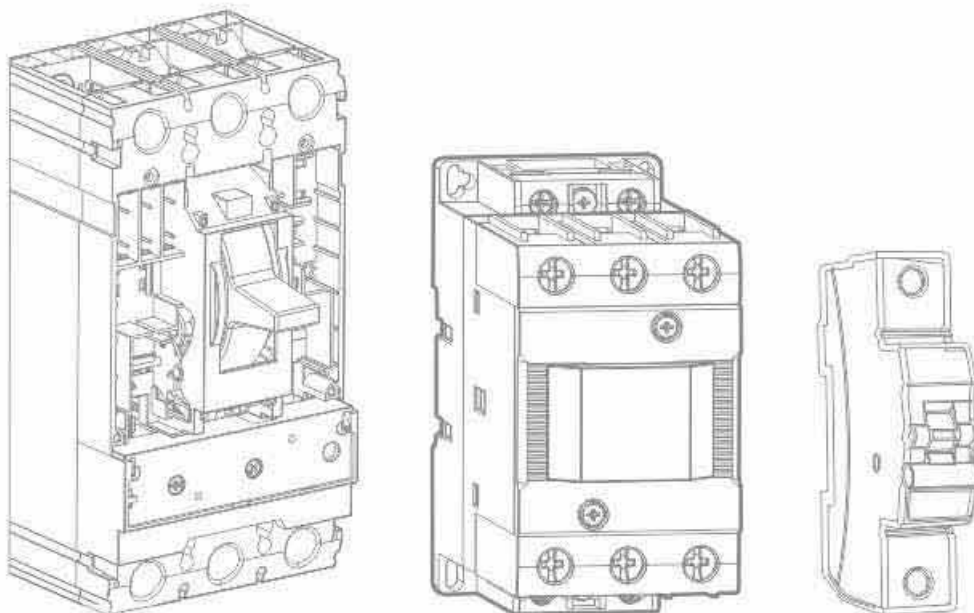
Legends (Stickers) are supplied with the following standard texts, Metal

Standard Text	Reference	Unit Price (₹)	Standard Text	Reference	Unit Price (₹)
Start	RM2-BY2303	6	Stop	RM2-BY2304	6
Forward	RM2-BY2305		Reverse	RM2-BY2306	
Up	RM2-BY2307		Down	RM2-BY2308	
On	RM2-BY2311		Off	RM2-BY2312	
Open	RM2-BY2313		Close	RM2-BY2314	
Auto	RM2-BY2315		Hand	RM2-BY2316	
Reset	RM2-BY2323		Inch	RM2-BY2321	
Slow	RM2-BY2327		Fast	RM2-BY2328	
Power On	RM2-BY2326		Emer. Stop	RM2-BY2330	
Right	RM2-BY2309		Left	RM2-BY2310	
O	RM2-BY2146		--	RM2-BY2147	
→	RM2-BY1912		←	RM2-BY1913	
↑	RM2-BY1914		↓	RM2-BY1915	

Note: Minimum order of #10 each.

Maximum Retail Price

Power Distribution | Power Control | Final Power Distribution



General Terms & Conditions

Maximum Retail Price

Maximum Retail Price (MRPs) are inclusive of Excise Duty, & VAT/Sales Tax as applicable. MRPs are subject to revision without prior notice and will be applicable as prevailing at the time of dispatch.

Duties

The MRPs listed are inclusive of Excise Duty / CVD at rates, as per present rules. In the event of any variation in rates, rules and / or method of assessment of Excise Duty / CVD, the MRP will be adjusted accordingly.

Warranty

All our listed Products carry a warranty, against manufacturing defects for a period of 12 months from the date of invoicing subject to it's usages in normal recommended operating conditions. The company liability shall be limited to exchange or repair of the product, at our discretion, provided that such defective products are returned to nearest Branch office.

Customer Care Contact

Single stop Customer Support for all service needs, please contact:

Customer Care Department

C&S Electric Ltd.

Low Voltage Components Division
222, Okhla Industrial Estate, Phase - III, New Delhi - 110 020
Phone: +91-11-3088 7498 Fax: +91-11-26484 8241
E-mail: customercare@cselectric.co.in
Website: www.cselectric.co.in

- POR - Price on request
- Products have been classified as Stockable & Non Stockable items. Non Stockable items has been marked as 

Power Distribution Components

MCCBs

Switch Disconnector FusesUnits

Switch Disconnectors

Changeover Switches

HRC Fuses



New WiNbreak MCCB

Range 15 – 1200A; 2/3/4 pole

Ics=Icu=100%



New WiNbreak MCCB

- Breaking Capacity up to 85kA with Ics=100% Icu
- Upgraded Reliability (Ui 750V, Uimp - 8kV)
- Upgraded Co-ordination
- Exceptional current limiting design
- Rapid Arc extinguishing using PASQ technology
- Common range of internal accessories up to 250AF
- Conforms to IEC 60947-2/IS 13947-2

New WiNbreak MCCB

Moulded Case Circuit Breakers

(Standard Packing includes insulating phase barrier and Hardware)

Range 5A -1200A, 690V

• Positive isolation • Trip free mechanism

Breaking capacity Ics=100% Icu	Rated Current (Amps)	2 Pole Reference	MRP (₹)	3 Pole Reference	MRP (₹)	4 Pole Reference	MRP (₹)
14kA	15, 20, 30, 40, 50	CSC1N2*	2080	CSC1N3*	2180	CSC1N4*	3200
18kA	15, 20, 30, 40, 50	CSC1S2*	2440	CSC1S3*	3250	CSC1S4*	4570
	60, 75, 100	CSC2N2*	2440	CSC2N3*	3250	CSC2N4*	4570
26kA	100	CSC4N2*	6090	CSC4N3*	6390	CSC4N4*	8730
	125	CSC4N2*	6090	CSC4N3*	6390	CSC4N4*	8730
	150	CSC4N2*	6290	CSC4N3*	8020	CSC4N4*	10150
	175, 200	CSC4N2*	8320	CSC4N3*	9140	CSC4N4*	12180
	250	-	-	CSC4N3*	13200	CSC4N4*	16750
	300	-	-	CSC5N3*	19790	CSC5N4*	24360
37kA	15, 20, 30, 40, 50, 60	-	-	CSC3S3*	6090	CSC3S4*	7510
	75, 100	-	-	CSC3S3*	6290	CSC3S4*	7920
	125	-	-	CSC3S3*	6290	CSC3S4*	7920
	150	-	-	CSC4S3*	9030	CSC4S4*	11670
	175, 200	-	-	CSC4S3*	10150	CSC4S4*	13700
	250	-	-	CSC4S3*	13500	CSC4S4*	17260
	300	-	-	CSC5N3*	19790	CSC5N4*	24360
	350, 400	-	-	CSC5N3*	21320	CSC5N4*	26390
	500, 630	-	-	CSC6N3*	24560	CSC6N4*	31970
50kA	15, 20, 30, 40, 50, 60	-	-	CSC3H3*	7110	CSC3H4*	9540
	75, 100	-	-	CSC3H3*	7210	CSC3H4*	9640
	125	-	-	CSC3H3*	9140	CSC3H4*	12180
	150	-	-	CSC4H3*	12180	CSC4H4*	16240
	175, 200	-	-	CSC4H3*	14720	CSC4H4*	19790
	250	-	-	CSC4H3*	18780	CSC4H4*	24360
	300	-	-	CSC5S3*	20300	CSC5S4*	26390
	350, 400	-	-	CSC5S3*	22840	CSC5S4*	29440
	500, 630	-	-	CSC6S3*	26900	CSC6S4*	35020
65kA	250, 300	-	-	CSC5H3*	22130	CSC5H4*	28930
	350, 400	-	-	CSC5H3*	22630	CSC5H4*	29440
	500, 630	-	-	CSC6S3*	26900	CSC6S4*	35020
	700, 800	-	-	CSC6S3*	35020	CSC6S4*	46690
	1000	-	-	•CSC7S3*	POR	•CSC7S4*	POR
	1200	-	-	•CSC8S3*	POR	•CSC8S4*	POR
85kA	250, 300	-	-	CSC5L3*	24360	CSC5L4*	32480
	350, 400	-	-	CSC5L3*	27410	CSC5L4*	36540
	500, 630	-	-	CSC6L3*	32480	CSC6L4*	42630
	700, 800	-	-	CSC6L3*	48720	CSC6L4*	61920
	1000	-	-	•CSC7L3*	POR	•CSC7L4*	POR
	1200	-	-	•CSC8L3*	POR	•CSC8L4*	POR

Notes :

1. While Ordering, Replace "*" by Rated Current required.
2. Extended Terminals are not included - Please refer table on page no. 37
2. For technical details please refer product catalogue
3. • For availability & price please contact nearest branch office

New Winbreak MCCB

Moulded Case Circuit Breakers

Accessories for MCCBs

Suitable for use on New WB MCCBs	Shunt Trip	MRP (₹)	Under Voltage Trip	MRP (₹)	Auxiliary Switch	MRP (₹)	Alarm Switch	MRP (₹)
CSC1N2, CSC1S2 ■	STC-(...V)	1120	UVC-(...V)	1320	AXWC-T	760	ALWC-T	760
CSC1N3, CSC1S3, CSC1N4, CSC1S4	STC-(...V)	1120	UVC-(...V)	1320	AXWC-*	760	ALWC-*	760
CSC2N2 ■	STC-(...V)	1120	UVC-(...V)	1320	AXWC-T	760	ALWC-T	760
CSC2N3, CSC2N4	STC-(...V)	1120	UVC-(...V)	1320	AXWC-*	760	ALWC-*	760
CSC3S3, CSC3S4, CSC3H3, CSC3H4	STC-(...V)	1120	UVC-(...V)	1320	AXWC-*	760	ALWC-*	760
CSC4N2 ■	STC-(...V)	1120	UVC-(...V)	1320	AXWC-T	760	ALWC-T	760
CSC4N3, CSC4N4, CSC4S3, CSC4S4 , CSC4H3, CSC4H4	STC-(...V)	1120	UVC-(...V)	1320	AXWC-*	760	ALWC-*	760
CSC5N3, CSC5N4, CSC5S3, CSC5S4, CSC5L3, CSC5L4	ST-6A(...V)	1500	UVT-6A(...V)	1830	ASW-6A	1170	ALSW-6A	1170
CSC6N3, CSC6N4, CSC6S3, CSC6S4, CSC6L3, CSC6L4	ST-6A(...V)	1500	UVT-6A(...V)	1830	ASW-6A	1170	ALSW-6A	1170
CSC7S3, CSC7S4, CSC7L3, CSC7L4	ST-7A(...V)	POR	NA	-	ASW-7A	POR	ALSW-7A	POR
CSC8S3, CSC8S4, CSC8L3, CSC8L4	ST-7A(...V)	POR	NA	-	ASW-7A	POR	ALSW-7A	POR

Suitable for use on New WB MCCBs	Direct Rotary Handle	MRP (₹)	Direct Rotary Handle with Keylock	MRP (₹)	Extended Rotary Handle	MRP (₹)
CSC1N3, CSC1S3, CSC1N4, CSC1S4	DHC100	1120	DHCK100	3250	EHC100	1880
CSC2N3, CSC2N4	DHC100	1120	DHCK100	3250	EHC100	1880
CSC3S3, CSC3S4, CSC3H3, CSC3H4	DHC125	1170	DHCK125	3350	EHC125	2030
CSC4N2 ■	DHC250	1370	DHCK250	3550	EHC250	2230
CSC4N3, CSC4N4, CSC4S3, CSC4S4 , CSC4H3, CSC4H4	DHC250	1370	DHCK250	3550	EHC250	2230
CSC5N3, CSC5N4, CSC5S3, CSC5S4, CSC5L3, CSC5L4	N-70S	1600	-	-	E-70U	2590
CSC6N3, CSC6N4, CSC6S3, CSC6S4, CSC6L3, CSC6L4	N-70M	1720	-	-	E-80U	2890
CSC7S3, CSC7S4, CSC7L3, CSC7L4	NA	-	-	-	NA	-
CSC8S3, CSC8S4, CSC8L3, CSC8L4	NA	-	-	-	NA	-

- Notes:**
1. Please replace "*" with R as MCCB left hand side position & T as MCCB right hand position
 2. ■ Left Hand Seat is not Available in 2Pole MCCBs.
 3. For Frame Size upto 250AF, Shunt Trip available in 12VAC/DC, 24VAC/DC, 48VAC/DC, 60VAC/DC, 100-130VAC/DC, 200-250VAC/DC & 380-450VAC, 440-500VAC (Replace STC-(...V) by required voltage)
 4. For Frame Size above than 250AF, Shunt Trip available in 24-48VAC/DC, 100-220VAC/DC, 110AC/DC, 220VAC/DC, 380~500VAC (Replace ST-6A(...V) by required voltage)
 5. For Frame Size upto 250AF, Under Voltage Trip available in 24VAC/DC, 48VAC/DC, 100~110VAC/DC, 200~220VAC/DC & 380-400VAC, 440~480VAC (Replace UVC-(...V) by required voltage)
 6. For Frame Size above than 250AF, Under Voltage Trip available in 110VAC/DC, 220VAC/DC, 415VAC (Replace UVT-6A(...V) by required voltage)
 7. Combination Switch with one Aux Switch+ One Alarm Switch available upto 250AF. Order the same as follows:
 - Replace AXWC-T +ALWC-T with XLC-T (Combination Switch) : MRP Rs. 1650
 - Replace AXWC-R +ALWC-R with XLC-R (Combination Switch) : MRP Rs. 1650
 8. Rotary Handle for Horizontal (Left & Right) Mounting also available on request
 9. Rotary Handle for 50AF & 100AF, 2Pole is not available

Maximum possibilities for auxiliaries

Left-hand seat



Right-hand seat

• 50AF, 100AF, 125AF and 250AF Breakers

Left-hand seat
Option of connecting AX or AL or XL

AX or AL or XL

Right-hand seat
Option of connecting AX or AL or XL or SHT or UVT

AX or AL or XL or SHT or UVT

• 400AF, 800AF Breakers

Left-hand seat
Option of connecting 2AX, 2AL and SHT or UVT

AL

AL

SHT or UVT

AX

AX

UVT

Right-hand seat
Option of connecting 2AX, 2AL and SHT or UVT

SHT or UVT

AL

AL

AX

AX

UVT

• 1000AF, 1250AF Breakers

Left-hand seat
Option of connecting SHT or UVT

SHT or UVT

Right-hand seat
Option of connecting 1AX, 1AL and 1AX or 1AL

AX

AX or AL

AL

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MRP w.e.f. 23rd April 2012

New Winbreak MCCB

Moulded Case Circuit Breakers

Plug-in devices

For Rapid replacement of MCCB without opening terminal connection. The MCCB can be racked out by unscrewing top & bottom fixing screws.

MCCB	Plug in Base	MRP (₹)
CSC1/CSC2	PB-A3-FR	POR
CSC3	PB-C3-FR	
CSC4	PB-D3-FR	
CSC5	PB-I3-FR	
CSC6	PB-J3-FR	

Mechanical Interlock (Used to prevent mechanically closing together)

Suitable for use on MCCBs	Applied between two MCCBs	
	Reference	MRP (₹)
CSC5N3, CSC5S3, CSC5H3, CSC5L3	MI-43S	3260
CSC5N4, CSC5S4, CSC5H4, CSC5L4	MI-44S	4060
CSC6N3, CSC6S3, CSC6L3	MI-83S	4060
CSC6N4, CSC6S4, CSC6L4	MI-84S	4800

Terminal Covers

Suitable for use on MCCBs	For Line/Load Side					
	2Pole Reference	MRP (₹)	3Pole Reference	MRP (₹)	4Pole Reference	MRP (₹)
CSC1N, CSC1S, CSC2N	TCS12	204	TCS13	356	TCS14L (for Line)	204
CSC3S, CSC3H	-	-	TCS23	508	TCS14R (for Load)	204
CSC4N, CSC4S, CSC4H	TCS33	405	TCS33	610	TCS24L (for Line)	356
CSC5N, CSC5S, CSC5H, CSC5L	-	-	T1-43A	1015	TCS24R (for Load)	356
CSC6N, CSC6S, CSC6L	-	-	T1-63A	1218	TCS34L (for Line)	405
					TCS34R (for Load)	405
					T1-44A	1218
					T1-64A	1525

Extended terminals for New Winbreak MCCB

Description	Reference	MRP (₹)	Std. Pkg. (No's)
New Winbreak, upto 125AF, Spreader Terminals - 3 Pole	CSET1033	170	Set of 3
New Winbreak, upto 125AF, Spreader Terminals - 4 Pole	CSET1044	200	Set of 4
New Winbreak, 250AF, Spreader Terminals - 3 Pole	CSET2533	320	Set of 3
New Winbreak, 250AF, Spreader Terminals - 4 Pole	CSET2544	480	Set of 4
New Winbreak, 400AF, Spreader Terminals - 3 Pole	CSET4033	1100	Set of 3
New Winbreak, 400AF, Spreader Terminals - 4 Pole	CSET4044	1450	Set of 4
New Winbreak, 800AF, Spreader Terminals - 3 Pole	CSET8033	2300	Set of 3
New Winbreak, 800AF, Spreader Terminals - 4 Pole	CSET8044	3050	Set of 4
New Winbreak, 1000AF, Spreader Terminals - 3 Pole	CSET10033	POR	Set of 3
New Winbreak, 1000AF, Spreader Terminals - 4 Pole	CSET10044	POR	Set of 4
New Winbreak, 1200AF, Spreader Terminals - 3 Pole	CSET12033	POR	Set of 3
New Winbreak, 1200AF, Spreader Terminals - 4 Pole	CSET12044	POR	Set of 4

Enclosure for MCCBs upto 250AF

Suitable for use on MCCBs	Reference	MRP (₹)
CSC1N3(14KA)/CSC1S3(18KA)/CSC2N3(18KA)/CSC4N3(26KA)	ENCL250AFC	1745

Earth fault Relay (with NCT's)

For MCCB rating (Amps)	Reference	MRP (₹)
15~100	EFR100-AF-100	4050
125~225	EFR225-AF-150	4420
	EFR225-AF-200	4420
250~400	EFR400-AF-250	4830
	EFR400-AF-400	4830
600~800	EFR800-AF-600	5580
	EFR800-AF-800	5580
1000~1200	EFR1200-AF-1000	9220
	EFR1200-AF-1200	9220

Notes :

1. With each relay, suitable Shunt trip of 220V AC only to be ordered separately.
2. Last figure denotes CT Ratio and thus order accordingly.



WiNbreak

Moulded Case Circuit Breakers

(Standard packing includes extended terminals, insulating phase barrier and Hardware.)

Range 5A - 1200A, 600V

• Positive isolation • Trip free mechanism

Breaking capacity	Rated Current (Amps)	2 Pole Reference	MRP (₹)	3 Pole Reference	MRP (₹)	4 Pole Reference	MRP (₹)
10kA	5,10,15,20,30,40,50,60 ■	CS2A2*	1820	CS2A3*	2010	CS2A4*	2950
	75,100	CS2A2*	1840	CS2A3*	2070	CS2A4*	3020
18kA	125	CS3A2*	POR	CS3A3*	POR	CS3A4*	POR
	150	CS3A2*		CS3A3*		CS3A4*	
	175,200	CS3A2*		CS3A3*		CS3A4*	
	225	CS3A2*		CS3A3*		CS3A4*	
25kA	15,20,30,40,50,60 ■	CS2B2*		CS2B3*		CS2B4*	
	75,100	CS2B2*		CS2B3*		CS2B4*	
	125	CS3B2*		CS3B3*		CS3B4*	
	150	CS3B2*		CS3B3*		CS3B4*	
	175,200	CS3B2*		CS3B3*		CS3B4*	
	225	CS3B2*		CS3B3*		CS3B4*	
	250,300	-	-	CS4A3*	POR	CS4A4*	POR
	350,400	-	-	CS4A3*		CS4A4*	
	15,20,30,40,50,60 ■	-	-	CS2C3*		CS2C4*	
	75,100	-	-	CS2C3*		CS2C4*	
	125	-	-	CS3C3*		CS3C4*	
	150	-	-	CS3C3*		CS3C4*	
	175,200	-	-	CS3C3*		CS3C4*	
	225	-	-	CS3C3*		CS3C4*	
	250,300	-	-	CS4B3*		CS4B4*	
	350,400	-	-	CS4B3*		CS4B4*	
	500,630	-	-	CS5A3*		CS5A4*	
	700,800	-	-	CS5A3*		CS5A4*	
	250,300	-	-	CS4C3*		CS4C4*	
	350,400	-	-	CS4C3*		CS4C4*	
	500,630	-	-	CS5B3*		CS5B4*	
	700,800	-	-	CS5B3*		CS5B4*	
	125,150,175,200	-	-	CS3D3*		CS3D4*	
	1000	-	-	CS6B3*		CS6B4*	
	1200	-	-	CS7B3*		CS7B4*	
	250, 300	-	-	CS4D3*		CS4D4*	
	350, 400	-	-	CS4D3*		CS4D4*	
	500, 630	-	-	CS5D3*		CS5D4*	
	700, 800	-	-	CS5D3*		CS5D4*	

Notes : 1. While Ordering, Replace "*" by Rated Current required.

2. ■ Extended terminals are not included.

WiNbreak

ACCESSORIES for MCCBs

Electrical Auxiliaries

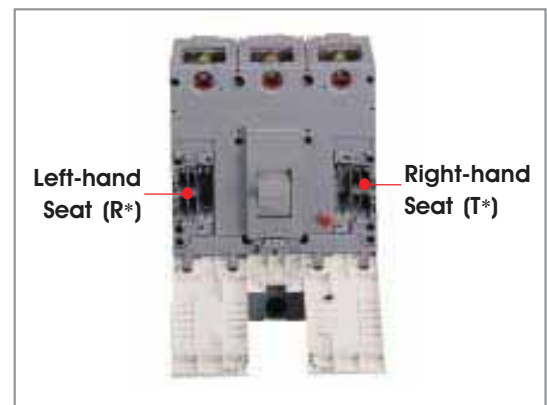
Electrical Auxiliaries		For correct selection of ASW & ALSW, refer Picture CS1										
		Shunt & UVT are mounted on Right-hand Seat (T)										
Suitable for use on MCCBs	Shunt Trip		Under Voltage Trip		Auxiliary Switch		Alarm Switch		Direct Rotary Handle		Extended Rotary Handle	
	Reference	MRP (₹)	Reference	MRP (₹)	Reference	MRP (₹)	Reference	MRP (₹)	Reference	MRP (₹)	Reference	MRP (₹)
CS2A3/CS2A4	ST-A(..V)	800	UVT-A(..V)	1090	ASW-A(R)*	800	ALSW-A(R)	800	D-35S	750	E-35S	1980
CS2A2	ST-A(..V)	800	UVT-A(..V)	1090	ASW-A(T)*	800	ALSW-A(T)	800	-	-	-	-
CS2B3/B4,CS2C3/C4	ST-B(..V)	POR	UVT-B(..V)	POR	ASW-B(R)*	POR	ALSW-B(R)	POR	D-45S	POR	■ E-45S	POR
CS2B2	ST-B(..V)		UVT-B(..V)		ASW-B(T)*		ALSW-B(T)		D-45S		■ E-45S	
CS3A3/A4,CS3B3/B4,CS3C3/C4	ST-C(..V)		UVT-C(..V)		ASW-C(R)*		ALSW-C(R)		D-55S		■ E-55S	
CS3A2,CS3B2	ST-C(..V)		UVT-C(..V)		ASW-C(T)*		ALSW-C(T)		D-55S		NA	
CS1D3,CS2D3	ST-4A(..V)		UVT-4A(..V)		ASW-4A(R)*		ALSW-4A(R)		N-55		NA	
CS1D4,CS2D4	ST-4B(..V)		UVT-4B(..V)		ASW-4A(T)*		ALSW-4A(T)		N-55		NA	
CS3D3	ST-5A(..V)		UVT-5A(..V)		ASW-5A(R)*		ALSW-5A(R)		N-60		NA	
CS3D4	ST-5B(..V)		UVT-5B(..V)		ASW-5A(T)*		ALSW-5A(T)		N-60		NA	
CS4A3/A4,CS4B3/B4,	ST-6A(..V)		UVT-6A(..V)		ASW-6A		ALSW-6A		N-70S		E-70U	
CS4C3/C4,CS4D3/D4,	ST-6A(..V)		UVT-6A(..V)		ASW-6A		ALSW-6A		N-70S		E-70U	
CS5A3/A4,CS5B3/B4,	ST-6A(..V)		UVT-6A(..V)		ASW-6A		ALSW-6A		N-70M		E-80U	
CS5C3/C4,CS5D3/D4	ST-6A(..V)		UVT-6A(..V)		ASW-6A		ALSW-6A		N-70M		E-80U	
CS6B3/B4,CS7B3/B4	ST-7A(..V)	NA	ASW-7A	ALSW-7A	NA	-						

*Please read **R** as MCCB left hand side position & **T** as right hand position

- Notes :**
- While Ordering Replace " * " by Rated Current required.
 - Shunt Trip Coil & UVT available in 24, 48V, 110V, 220V & •415V AC/DC (Replace ... by required Voltage). 220V & 415V are standard stock items. UVT - 6A not available in 24V AC/DC.
(• not available for 1000A & 1200A MCCBs)
 - Single block for one Aux. Sw + one Alarm Switch available upto 225AF. Order the same as follows:
 - Replace ASW-A+ALSW-A to XL-A(T)
 - Replace ASW-B+ALSW-B to XL-B(T)
 - Replace ASW-C+ALSW-C to XL-C(T)
 - Rotary handle for Horizontal (Left&Right) mounting also available on request.
 - Rotary Handle for 50AF & 100AF, 2Pole not available.

■ Extended rotary handle (metallic) is also available.

Frame Size	Reference Code	MRP (₹)
CS2A3/A4, CSC1N3, CSC1S3, CSC2N3	CSE-35S	910
CS2B3/B4, CS2C3/C4 & CS2B2	CSE-45	910
CS3A3/A4, CS3B3/B4 & CS3C3/C4	CSE-55	1020



*Please read **R** as MCCB left hand side position & **T** as right hand position

Maximum possibilities for auxiliaries

- 100, 225AF breakers

Left-hand seat



Right-hand seat

Left-hand seat

Option of connecting AX or AL or XL

AX or AL or XL

Right-hand seat

Option of connecting AX or AL or XL or SHT or UVT

AX or AL or XL or SHT or UVT

- 400, 800AF breakers

Left-hand seat



Right-hand seat

Left-hand seat

Option of connecting 2AX, 2AL and SHT or UVT

AL	AL	SHT or UVT
AX	AX	

Right-hand seat

Option of connecting 2AX, 2AL and SHT or UVT

SHT or UVT	AL	AL
	AX	AX

Please refer above auxiliary selection for 3 & 4 Pole WiNbreak MCCB Only

WiNbreak 2

Moulded Case Circuit Breakers

Exceptional current limiting device with double break contacts (Ics=Icu=100%)

• Positive isolation • Double Break • Trip free mechanism • 100% Neutral Protection in 4 Pole • Interchangeable Trip Unit

FMU (Thermal Magnetic) Release • Adjustable Overload 80-100% • Fixed short circuit

Breaking capacity Icu = Ics	Rated Current (Amps)	3 Pole Reference	MRP (₹)	4 pole MCCBs are with Neutral protection against overload and shortcircuit	
				4 Pole Reference	MRP (₹)
50	16,20,25,32,40,50,63,80,100■	CD100NFMU*3P	8320	CD100NFMU*4P	12080
50	125	CS160NFMU*3P	11770	CS160NFMU*4P	16340
50	160	CS160NFMU*3P	14620	CS160NFMU*4P	20200
50	200	CS250NFMU*3P	19180	CS250NFMU*4P	25070
50	250	CS250NFMU*3P	22030	CS250NFMU*4P	28620
65	300 & 400	CS400NFMU*3P	25170	CS400NFMU*4P	34920
65	500 & 630	CS630NFMU*3P	29640	CS630NFMU*4P	38160
65	800	CS800NFMU*3P	42430	CS800NFMU*4P	61610

ATU (Thermal Magnetic) Release • Adjustable Overload 80 - 100% • Adjustable Short circuit 5 - 10 In

Breaking capacity Icu = Ics	Rated Current (Amps)	3 Pole Reference	MRP (₹)	4 pole MCCBs are with Neutral protection against overload and shortcircuit	
				4 Pole Reference	MRP (₹)
50	125	CS160NATU*3P	12080	CS160NATU*4P	17050
50	160	CS160NATU*3P	15020	CS160NATU*4P	20400
50	200	CS250NATU*3P	19690	CS250NATU*4P	25880
50	250	CS250NATU*3P	22940	CS250NATU*4P	29130
65	300 & 400	CS400NATU*3P	25680	CS400NATU*4P	35530
65	500 & 630	CS630NATU*3P	31060	CS630NATU*4P	39790
65	800	CS800NATU*3P	44760	CS800NATU*4P	63030

ETS (Microprocessor based) Release*

■ Adjustable Overload 40 - 100% ■ Adjustable shortcircuit 1.5 - 10 In

Breaking capacity Icu = Ics	Rated Current (Amps)	3 Pole#Reference	MRP (₹)	4 Pole#Reference	MRP (₹)
50	40, 80, 160■	CS160NETS*3P	23450	❑CS160NETS*4P	POR
50	250■	CS250NETS*3P	27000	❑CS250NETS*4P	POR
65	160, 250, 400	CS400NETS*3P	29640	❑CS400NETS*4P	POR
65	160, 250, 400, 630	CS630NETS*3P	35730	❑CS630NETS*4P	POR
65	630, 800	CS800NETS*3P	50240	❑CS800NETS*4P	POR

- Microprocessor release with in-built earth fault protection is also available
- Extended terminals are not included for MCCBs upto 63A

Note : Replace " ■ " with required current range

MCCB with microprocessor release having OL, SC, EF, Ammeter, ZSI & RS485 port is also available. For prices contact nearest branch office.



❑ Non Stockable item

WiNbreak 2

ACCESSORIES for MCCBs

Internal Accessories for WiNbreak2 MCCBs

Description	Reference	MRP (₹)
Aux. Switch	AX-T	1100
Alarm Switch	AL-T	1100
Fault Alarm Switch	FAL-T	1100
Shunt trip coil	ST-T*	2530
UVT coil	UVT-T*	3430

Rotary Handle for WiNbreak2 MCCBs

Suitable for MCCB Type	Direct		Extended	
	Reference	MRP (₹)	Reference	MRP (₹)
CD100	DH1-S	1370	EH1-S	2060
CS160 & 250	DH2-S	1490	EH2-S	2470
CS 400 & 630	DH3-S	2920	EH3-S	3840
CS 800	DH4-S	3490	EH4-S	4530

Direct Rotary Handle with Keylock for WiNbreak2 MCCB

Suitable for MCCB Type	Reference	MRP (₹)
CD 100	DHK1-S	3900
CS 160 & 250	DHK2-S	4100
CS 400 & 630	DHK3-S	4300
CS 800	DHK4-S	4480

Mechanical Interlock Device for WiNbreak2 MCCBs

Suitable for MCCB Type	3 Pole		4 Pole	
	Reference	MRP (₹)	Reference	MRP (₹)
CD100	MIT13	6770	MIT14	7110
CS160 & 250	MIT23	8250	MIT24	8540
CS 400 & 630	MIT33	8760	MIT34	8990
CS 800	MIT43	9570	MIT44	9650

Padlocking Device for WiNbreak2 MCCB

Suitable for MCCB Type	Reference	MRP (₹)
CD 100 / 160	PHL 1	1200
CS 160 / 250	PHL 2	1330
CS 400 / 630	PHL 3	2140
CS 800	PHL 4	2420
CD 100 / 160	PL 1	700
CS 160 / 250	PL 2	900
CS 400 / 630	PL 3	1100
CS 800	PL 4	1150

PHL - Fixed Type

PL - Removable Type

Plug-in Base For WiNbreak2 MCCB

Suitable for MCCB Type	Reference	MRP (₹)
CD 100 / 160 3P	☒ PB 13	13710
CS 160 / 250 3P	☒ PB 23	17020
CS 400 / 630 3P	☒ PB 33	27310
CS 800 3P	☒ PB 43	68330

Motor Operator for WiNbreak2 MCCBs

Suitable for MCCB Type	Motor Type	Control Voltage	MRP (₹)
CD100	MOP1*	100V-200V AC 24V DC 100V & 220V DC	16250
CS160, 250	MOP2*	100V-110V AC, 230V AC 24V DC & 220V DC	21540
CS400, 630	MOP3*	100V-110V AC, 230V AC 24V DC & 220V DC	33920
CS800	MOP4*	100V-110V AC, 230V AC 24V DC & 220V DC	40060

- Notes :**
- 1) The above accessories are common to entire **WiNbreak2** MCCBs. * Specify Coil Voltage (12V, 24V, 48V, 110V, 220V AC/DC & 415AC) 220V & 415V are stock item.
 - 2) **WiNbreak2** MCCBs are available up to Icu=Ics=150kA for entire range for higher short circuit level, Price available on request.
 - 3.) # 4 pole MCCB with microprocessor release is also available. For prices please contact nearest branch office.



☒ Non Stockable item

ACE 2

Moulded Case Circuit Breakers

• Positive isolation • Double Break • Trip free mechanism

Thermal Magnetic Release (Adjustable Overload & Short Circuit setting)

Breaking Capacity $I_{cs}=I_{cu}$ at 415V AC (kA)		Rated Current (Amps)	3 Pole Reference	MRP (₹)	4 Pole Reference	MRP (₹)
36kA	• Adjustable Overload • Fixed Short Circuit	16,20,25,32,40,50,63 ■	CSCN125TM*3P	6800	CSCN125TM*4P	8320
		80,100	CSCN125TM*3P	7000	CSCN125TM*4P	8730
		125	CSCN125TM*3P	8020	CSCN125TM*4P	9640
	• Adjustable Overload • Adjustable Short Circuit	160, 180	CSCN250TM*3P	10450	CSCN250TM*4P	12690
		200	CSCN250TM*3P	11980	CSCN250TM*4P	15830
		250	CSCN250TM*3P	14410	CSCN250TM*4P	19890
50kA	• Adjustable Overload • Fixed Short Circuit	100	CSCS125TM*3P	POR	CSCS125TM*4P	POR
		125	CSCS125TM*3P		CSCS125TM*4P	
	• Adjustable Overload • Adjustable Short Circuit	160	CSCS250TM*3P	POR	CSCS250TM*4P	POR
		200	CSCS250TM*3P		CSCS250TM*4P	
		250	CSCS250TM*3P		CSCS250TM*4P	

Microprocessor Release

LSIN - Adjustable Overload, Short Circuit, Instantaneous and Neutral Protection

Breaking Capacity $I_{cs}=I_{cu}$ at 415V AC (kA)	Rated Current (Amps)	3 Pole Reference	MRP (₹)	4 Pole Reference	MRP (₹)
36kA	40 ■, 100, 125	CSCN125EM*3P	10760	CSCN125EM*4P	13200
	160	CSCN250EM*3P	13400	CSCN250EM*4P	15430
	200	CSCN250EM*3P	16950	CSCN250EM*4P	18780
	250	CSCN250EM*3P	19690	CSCN250EM*4P	21820
50kA	40 ■, 100	✗ CSCS125EM*3P	POR	✗ CSCS125EM*4P	POR
	125	✗ CSCS125EM*3P		✗ CSCS125EM*4P	
	160	✗ CSCS250EM*3P		✗ CSCS250EM*4P	
	200	✗ CSCS250EM*3P		✗ CSCS250EM*4P	
	250	✗ CSCS250EM*3P		✗ CSCS250EM*4P	
	315, 350, 400	✗ CSCS400EM*3P		✗ CSCS400EM*4P	
	500, 630	✗ CSCS630EM*3P		✗ CSCS630EM*4P	
	700, 800 ■	✗ CSCS800EM*3P		✗ CSCS800EM*4P	
	1000 ■	✗ CSCS1250EM*3P		✗ CSCS1250EM*4P	
	1250 ■	✗ CSCS1250EM*3P		✗ CSCS1250EM*4P	
70kA	40 ■, 100	✗ CSCH125EM*3P	POR	✗ CSCH125EM*4P	POR
	125	✗ CSCH125EM*3P		✗ CSCH125EM*4P	
	160	✗ CSCH250EM*3P		✗ CSCH250EM*4P	
	200	✗ CSCH250EM*3P		✗ CSCH250EM*4P	
	250	✗ CSCH250EM*3P		✗ CSCH250EM*4P	
	315, 350, 400	✗ CSCH400EM*3P		✗ CSCH400EM*4P	
	500, 630	✗ CSCH630EM*3P		✗ CSCH630EM*4P	
	700, 800 ■	✗ CSCH800EM*3P		✗ CSCH800EM*4P	
	1000 ■	✗ CSCH1250EM*3P		✗ CSCH1250EM*4P	
	1250 ■	✗ CSCH1250EM*3P		✗ CSCH1250EM*4P	

■ Extended terminals are not included.

✗ Non Stockable item



ACE 2

ACCESSORIES for MCCBs

Internal Accessories

Description	Frame	Voltage				MRP (₹)
		220 V AC	380/415 V AC	24 V DC	110 V DC	
Shunt Release	CSCN125TM	STC92	STC95	STC98	--	1650
	CSC*125EM	STC93	STC96	STC99	--	1870
	CSC*250EM					
	CSCN250TM					
	CSC*400EM					
	CSC*630EM					
	CSC*800EM					
U/V Release	CSC*1250EM	STC94	STC97	STC00	STC01	POR
	CSCN125TM	UVC02	UVC05	--	--	2510
	CSC*125EM	UVC03	UVC06	--	--	2720
	CSC*250EM					
	CSCN250TM					
	CSC*400EM					
	CSC*630EM					
	CSC*800EM	UVC04	UVC07	--	--	POR
	CSC*1250EM					

Aux/Alarm Contacts

Description	Reference	MRP (₹)
Auxiliary Contact(Left)	AXC-L	880
Auxiliary Contact(Middle)	AXC-M	
Auxiliary Contact(right)	AXC-R	
Alarm Contact	ALC	980

Motor Operator

Suitable for MCCB Typ	Reference	Reference	MRP (₹)
☒ CSCN125TM	MOPC-88	240AC/220VDC	POR
☒ CSC*125/250EM	MOPC-89	240AC/220VDC	
☒ CSCN250TM			
☒ CSC*400/630EM	MOPC-90	230VAC/220VDC	
☒ CSC*800/1250EM	MOPC-91	AC230V400V	

☒ Non Stockable item

Extended Rotary Handle

Description	3 Pole	4 Pole	MRP (₹)
CSCN125TM	EC-55	EC-19	1760
CSC*125EM	EC-56	EC-20	2180
CSC*250EM			
CSCN250TM			
☒ CSC*400EM	EC-57	EC-21	POR
☒ CSC*630EM			
☒ CSC*800EM	EC-58	EC-58	
☒ CSC*1250EM			



ACE

Moulded Case Circuit Breakers

Breaking capacity $I_{cs}=75\%$ of I_{cu}

Breaking Capacity I_{cu} at 415V AC	Rated Current (Amps)	3 Pole Reference	MRP (₹)	4 Pole Reference	MRP (₹)
25kA	24~32 ■	CSZ2B3 32	POR	CSZ2B4 32	POR
	32~40 ■	CSZ2B3 40		CSZ2B4 40	
	40~50 ■	CSZ2B3 50		CSZ2B4 50	
	50~63 ■	CSZ2B3 63		CSZ2B4 63	
	63~80 ■	CSZ2B3 80		CSZ2B4 80	
	80~100 ■	CSZ2B3 100		CSZ2B4 100	
	100~125 ■	CSZ2B3 125		CSZ2B4 125	
25kA	125~160 ■	CSZ3B3 160	POR	CSZ3B4 160	POR
	160~200 ■	CSZ3B3 200		CSZ3B4 200	
	200~250 ■	CSZ3B3 250		CSZ3B4 250	

Breaking capacity $I_{cs}=100\%$ of I_{cu}

Breaking Capacity I_{cu} at 415V AC	Rated Current (Amps)	3 Pole Reference	MRP (₹)	4 Pole Reference	MRP (₹)
25kA	24~32 ■	CSZ2H3 32	POR	CSZ2H4 32	POR
	32~40 ■	CSZ2H3 40		CSZ2H4 40	
	40~50 ■	CSZ2H3 50		CSZ2H4 50	
	50~63 ■	CSZ2H3 63		CSZ2H4 63	
	63~80 ■	CSZ2H3 80		CSZ2H4 80	
	80~100 ■	CSZ2H3 100		CSZ2H4 100	
	100~125 ■	CSZ2H3 125		CSZ2H4 125	
25kA	125~160 ■	CSZ3H3 160	POR	CSZ3H4 160	POR
	160~200 ■	CSZ3H3 200		CSZ3H4 200	
	200~250 ■	CSZ3H3 250		CSZ3H4 250	

■ Extended terminals not included

Accessories for ACE MCCB

Product Description	Reference			
	125AF	MRP (₹)	250AF	MRP (₹)
Aux. Switch	AXZ2	POR	AXZ3	POR
Alarm Switch	ALZ2	POR	ALZ3	POR
Extended Rotary Handle	CSDHZ2	POR	CSDHZ3	POR
UVT Release	UVZ2-(..V)	POR	UVZ3-(..V)	POR
Shunt Release	STZ2-(..V)	POR	STZ3-(..V)	POR

UVT available in 110V, 230V, 415V AC & 24V, 48V, 110V DC {replace (..V) by required voltage}

Shunt trip available in 110V, 220V, 415V AC & 24V, 48V, 110V, 220V DC {replace (..V) by required voltage}



MCCB Spreaders (extended terminals)

for use with MCCB type- Winbreak 2, ACE, ACE2

Reference	Description			MRP (₹)	Std. Pkg. (No.s)
	Winbreak2	ACE	ACE2		
CSET1033	For 100AF, 3P	For 125AF, 3P	ACE2 TM for 125AF, 3P	170	Set of 3
CSET1044	For 100AF, 4P	For 125AF, 4P	ACE2 TM for 125AF, 4P	200	Set of 4
CSET2533	For 250AF, 3P	For 250AF, 3P	ACE2 TM for 250AF, 3P ACE2 EM for 125AF& 250AF, 3P	320	Set of 3
CSET2544	For 250AF, 4P	For 250AF, 4P	ACE2 TM for 250AF, 4P ACE2 EM for 125AF& 250AF, 4P	480	Set of 4

New Test Position SDF Without Fuse Links



Rating (A)	Pole	Reference	MRP (₹)	Reference	MRP (₹)	Recommended Fuse Link #
32	TPN	CSCSDF32SN12CGF0000	1580	E-CSCSDF32SN12CGF0000	3270	CGF
63	TPN	CSCSDF63SN12CHF0000	2250	E-CSCSDF63SN12CHF0000	4290	CHF

#For prices of fuses please refer to price list

Auxiliary Contacts

Description	Reference	MRP (₹)
1NO +1NC for 32- 63 Compact SDF	CSDFAUX11	410
2NO +2NC for 32- 63 Compact SDF	CSDFAUX22	760

Extension Shaft for Handle

Rating	Reference	MRP (₹)
32~63A	CSP6X14	194

Spare Auxiliary TEST Block

Rating	Reference	MRP (₹)
32~63A	TSTAUX	610

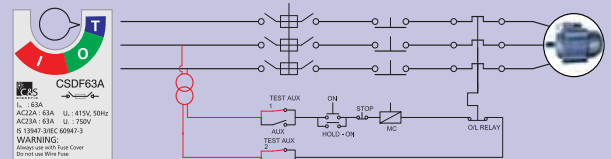
Spare Handle

Rating	Reference	MRP (₹)
32~63A	CSTH 80 S6B	250

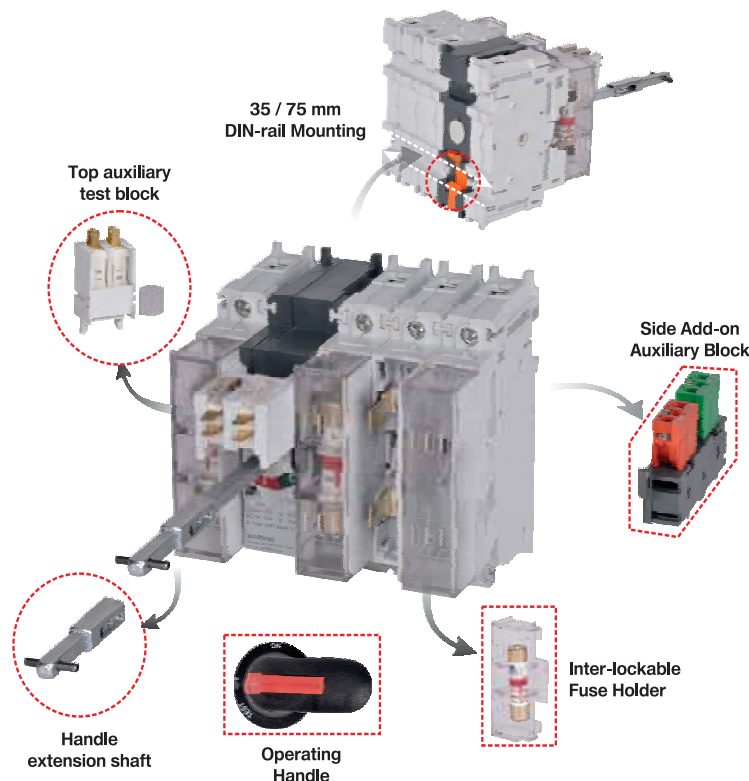


UNIQUE TEST POSITION

Power circuit is OFF
Control circuit is ON through Test Auxiliaries



Unique Features



Switch Disconnector Fuse Unit without Fuse Links

LT Heavy Duty Switch Disconnector Fuse Unit CSSDF 32A - 800A, 415V, 50Hz complete with Handle Assembly having Door Interlock and Padlocking arrangement

Rating Amps	Poles	CSSDF in Open Execution				CSSDF in Sheet Steel Enclosure				Recommended Fuse Links Type (IEC Size)	
		Reference	MRP	Reference	MRP	Reference	MRP	Reference	MRP		
		DIN	(₹)	BS	(₹)	DIN	(₹)	BS	(₹)	DIN	BS
32A	2P	CSSDF32D2	*	CSSDF32B2	*					CDFL00 (32)	CTIA-32 (A2)
	TP	CSSDF32D3	1300	CSSDF32B3	1410	Not Available		Not Available	-		
	TPN	CSSDF32D3N	1410	CSSDF32B3N	1460	E-CSSDF32D3N	2900	E-CSSDF32B3N	2900		
	4P	CSSDF32D4FN	1960	CSSDF32B4FN	1990	E-CSSDF32D4FN	3220	E-CSSDF32B4FN	3220		
63A	2P	CSSDF63D2	*	CSSDF63B2	*					-	CDFL00 (63)
	TP	CSSDF63D3	1930	CSSDF63B3	1830	Not Available		Not Available	-		
	TPN	CSSDF63D3N	2200	CSSDF63B3N	1930	E-CSSDF63D3N	3690	E-CSSDF63B3N	3410		
	4P	CSSDF63D4FN	2470	CSSDF63B4FN	2440	E-CSSDF63D4FN	3840	E-CSSDF63B4FN	3840		
100A	2P	CSSDF100D2	*	CSSDF100B2	*					CDFL00 (100)	CTCP-100 (A4)
	TP	CSSDF100D3	4480	CSSDF100B3	3840	Not Available		Not Available	-		
	TPN	CSSDF100D3N	4700	CSSDF100B3N	4050	E-CSSDF100D3N	6300	E-CSSDF100B3N	5970		
	4P	CSSDF100D4FN	5680	CSSDF100B4FN	5440	E-CSSDF100D4FN	7040	E-CSSDF100B4FN	6930		
125A	2P	CSSDF125D2	*	CSSDF125B2	*					CDFL00 (125)	CTCP-125 (A4)
	TP	CSSDF125D3	4930	CSSDF125B3	4720	Not Available		Not Available	-		
	TPN	CSSDF125D3N	5410	CSSDF125B3N	4980	E-CSSDF125D3N	7290	E-CSSDF125B3N	6860		
	4P	CSSDF125D4FN	6970	CSSDF125B4FN	6270	E-CSSDF125D4FN	7500	E-CSSDF125B4FN	7930		
160A	2P	CSSDF160D2	*	CSSDF160B2	*					CDFL00 (160)	CTF-160 (B2)
	TP	CSSDF160D3	5490	CSSDF160B3	5710	Not Available		Not Available	-		
	TPN	CSSDF160D3N	6140	CSSDF160B3N	5820	E-CSSDF160D3N	7970	E-CSSDF160B3N	7650		
	4P	CSSDF160D4FN	8140	CSSDF160B4FN	7380	E-CSSDF160D4FN	9910	E-CSSDF160B4FN	10440		
200A	2P	CSSDF200D2	*	CSSDF200B2	*					CDFL-1-200	CTF-200 (B2)
	TP	CSSDF200D3	6220	CSSDF200B3	6000	Not Available		Not Available	-		
	TPN	CSSDF200D3N	6760	CSSDF200B3N	6220	E-CSSDF200D3N	9120	E-CSSDF200B3N	8050		
	4P	CSSDF200D4FN	8190	CSSDF200B4FN	7550	E-CSSDF200D4FN	10510	E-CSSDF200B4FN	10930		
250A	2P	CSSDF250D2	*	CSSDF250B2	*					CDFL-1-250	CTKF-250(B3)
	TP	CSSDF250D3	8360	CSSDF250B3	8050	Not Available		Not Available	-		
	TPN	CSSDF250D3N	8790	CSSDF250B3N	8150	E-CSSDF250D3N	10930	E-CSSDF250B3N	10290		
	4P	CSSDF250D4FN	10460	CSSDF250B4FN	9650	E-CSSDF250D4FN	12010	E-CSSDF250B4FN	12650		
315A	2P	CSSDF315D2	*	CSSDF315B2	*					CDFL-2-315	CTKF-315 (B3)
	TP	CSSDF315D3	9800	CSSDF315B3	9850	Not Available		Not Available	-		
	TPN	CSSDF315D3N	10990	CSSDF315B3N	10660	E-CSSDF315D3N	13570	E-CSSDF315B3N	14010		
	4P	CSSDF315D4FN	13780	CSSDF315B4FN	13480	E-CSSDF315D4FN	16260	E-CSSDF315B4FN	16810		
400A	2P	CSSDF400D2	*	CSSDF400B2	*					CDFL-2-400	CTMF-400 (B4)
	TP	CSSDF400D3	12280	CSSDF400B3	12280	Not Available		Not Available	-		
	TPN	CSSDF400D3N	13470	CSSDF400B3N	12600	E-CSSDF400D3N	14320	E-CSSDF400B3N	15830		
	4P	CSSDF400D4FN	15770	CSSDF400B4FN	15720	E-CSSDF400D4FN	17230	E-CSSDF400B4FN	18530		
630A	2P	CSSDF630D2	*	CSSDF630B2	*					CDFL-3-630	CTTM-630 (C2)
	TP	CSSDF630D3	19060	CSSDF630B3	20570	Not Available		Not Available	-		
	TPN	CSSDF630D3N	21000	CSSDF630B3N	21440	E-CSSDF630D3N	22940	E-CSSDF630B3N	26710		
	4P	CSSDF630D4FN	22840	CSSDF630B4FN	22730	E-CSSDF630D4FN	27890	E-CSSDF630B4FN	30730		
800A	2P	CSSDF800D2	*	CSSDF800B2	*					-	CTLM-800 (C3)
	TP	CSSDF800D3	22190	CSSDF800B3	23050	Not Available		Not Available	-		
	TPN	CSSDF800D3N	25960	CSSDF800B3N	27160	Not Available		E-CSSDF800B3N	28590		
	4P	CSSDF800D4FN	28220	CSSDF800B4FN	28690	Not Available		E-CSSDF800B4FN	33390		

Notes: * 2 Pole switch prices available on request.

ACCESSORIES Switch Disconnector Fuse Unit

Key Interlocks (3 Locks - 2 Keys)

For Switch Type	Reference	MRP (₹)
CSSDF 32A - 160A	CSSDFZW-16	3420
CSSDF 200A - 800A	CSSDFZW-5	2860

Castle Key Locks

CSSDF 32A - 160A	CSSDFZW-15	2860
CSSDF 200A - 800A	CSSDFZW-4	2860

Auxiliary Contacts

1 NO + 1 NC CSSDF 32A - 63A	CSSDFZX 46	440
2 NO + 2 NC CSSDF 32A - 63A	CSSDFZX 32	820
1 NO + 1 NC CSSDF 100A - 160A	CSSDFZX 1	440
2 NO + 2 NC CSSDF 100A - 160A	CSSDFZX 16	820
1 NO + 1 NC CSSDF 200A - 400A	CSSDFZX 33	440
2 NO + 2 NC CSSDF 200A - 400A	CSSDFZX 34	820
1 NO + 1 NC CSSDF 630A - 800A	CSSDFZX 35	440
2 NO + 2 NC CSSDF 630A - 800A	CSSDFZX 36	820

Handle Mounting Kit (for independent mounting of O/E Switches)

CSSDF 200A - 400A	HMK-1-2	1110
CSSDF 630A - 800A	HMK-3-2	1170

Extended Terminals

For Switch Type		Reference	MRP (₹)
32A-63A	TPN	ET-323	305
	4P	ET-324	355
100A-160	TPN	ET-327	710
	4P	ET-328	1015
200A-400A	TPN	ET-329	2080
	4P	ET-330	2535

Spare Poles (Price per Pole)

Rating (Amps)	Reference		MRP (₹)
	DIN	BS	
32	CSSDF-SP-32D	CSSDF-SP-32B	790
63	CSSDF-SP-63D	CSSDF-SP-63B	1010
100	CSSDF-SP-100D	CSSDF-SP-100B	1890
125	CSSDF-SP-125D	CSSDF-SP-125B	2090
160	CSSDF-SP-160D	CSSDF-SP-160B	2450
200	CSSDF-SP-200D	CSSDF-SP-200B	2840
250	CSSDF-SP-250D	CSSDF-SP-250B	3870
315	CSSDF-SP-315D	CSSDF-SP-315B	4340
400	CSSDF-SP-400D	CSSDF-SP-400B	5560
630	CSSDF-SP-630D	CSSDF-SP-630B	7910
800	--	CSSDF-SP-800B	9650

Spare Handle Shaft

CSSDF 32A-160A	CSP6X165	205
CSSDF 200A-800A	CSP12X255	350

SPARES

Spare Neutral Links

For Switch Type	Reference	MRP (₹)
CSSDF 32A-63A	CSSDF ZX 87	280
CSSDF 100A-160A	CSSDF ZX 86	335
CSSDF 200A-400A	CSSDF ZX 85	580
CSSDF 630A-800A	CSSDF ZX 88	660

Spare Handle

CSSDF 32A-160A (Moulded)	CSWH 80 S6	460
CSSDF 200A-400A (Moulded)	CSWH 145 S12	790
CSSDF 630A-800A (Moulded)	CSWH 220 S12	1000

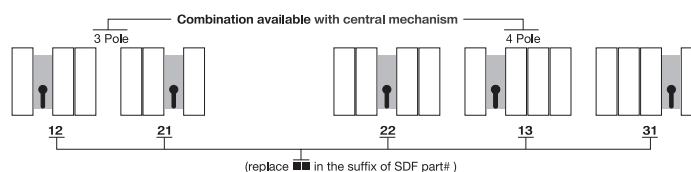
SWITCH DISCONNECTOR FUSE UNIT WITH VARIOUS OPTIONS



Fuse Cover and Terminal Shroud are also on request
200A DIN/BS~630A DIN



Centre Mechanism, Fuse Cover and Terminal Shroud are also on request 200A DIN/BS~630A DIN



Switch Disconnectors (Load Break Switches)

*** Moulded Pole Construction

LT Heavy Duty Load Break Switches CSSD 25A - 125A, 415V, 50Hz complete with Rotary Handle Assembly having door interlock and padlocking arrangement.

Handle colour: Red Knob and Yellow Base (standard) Black Base and Knob on request.

Rating (Amps)	Poles	CSSD In Open Execution		In Sheet Steel Enclosure	
		Reference	MRP (₹)	Reference	MRP (₹)
25	3	CSSD25D3	1120	E-CSSD25D3	2350
	4	CSSD25D4	1430	E-CSSD25D4	2550
40	3	CSSD40D3	1430	E-CSSD40D3	2760
	4	CSSD40D4	2250	E-CSSD40D4	2960
63	3	CSSD63K3	1740	E-CSSD63K3	3270
	4	CSSD63D4	2450	E-CSSD63D4	3880
125	3	CSSD125D3	3880	E-CSSD125D3	5410
	4	CSSD125D4	4700	E-CSSD125D4	6020

*** The above switches are available with door defeate Mechanism / Pistol grip handle.

Modular Pole construction

LT Heavy Duty Load Break Switches CSSD 125A - 3150A, 415V, 50Hz complete with Handle Assembly having door interlock and padlocking arrangement.

Rating (Amps)	Poles	CSSD in Open Execution		CSSD in Sheet Steel Enclosure	
		Reference	MRP (₹)	Reference	MRP (₹)
125	2	CSSD125DM2	*		
	3	CSSD125DM3	4290	E-CSSD125DM3	6020
	4	CSSD125DM4	5310	E-CSSD125DM4	7040
160	2	CSSD160DM2	*		
	3	CSSD160DM3	4800	E-CSSD160DM3	6840
	4	CSSD160DM4	5720	E-CSSD160DM4	7760
200	2	CSSD200DM2	*		
	3	CSSD200DM3	6130	E-CSSD200DM3	7560
	4	CSSD200DM4	7960	E-CSSD200DM4	9190
250	2	CSSD250DM2	*		
	3	CSSD250DM3	7250	E-CSSD250DM3	9090
	4	CSSD250DM4	8470	E-CSSD250DM4	10310
315	2	CSSD315DM2	*		
	3	CSSD315DM3	9290	E-CSSD315DM3	11130
	4	CSSD315DM4	10820	E-CSSD315DM4	12970
400	2	CSSD400DM2	*		
	3	CSSD400DM3	10720	E-CSSD400DM3	12970
	4	CSSD400DM4	12460	E-CSSD400DM4	14700
400	2	CSSD400K2	*		
	3	CSSD400K3	POR	E-CSSD400K3	POR
	4	CSSD400K4	POR	E-CSSD400K4	POR
630	2	CSSD630K2	*		
	3	CSSD630K3	17660	E-CSSD630K3	20420
	4	CSSD630K4	18380	E-CSSD630K4	22770
800	2	CSSD800K2	*		
	3	CSSD800K3	21440	E-CSSD800K3	23690
	4	CSSD800K4	22160	E-CSSD800K4	26550
1000	2	CSSD1000K2	*		
	3	CSSD1000K3	25420	E-CSSD1000K3	37570
	4	CSSD1000K4	33590	E-CSSD1000K4	49210
1250	2	CSSD1250K2	*		
	3	CSSD1250K3	35220	E-CSSD1250K3	53300
	4	CSSD1250K4	46050	E-CSSD1250K4	63300
1600	2	CSSD1600K2	*		
	3	CSSD1600K3	42580	E-CSSD1600K3	58090
	4	CSSD1600K4	58400	E-CSSD1600K4	76270
2000	3	CSSD2000K3	89620	E-CSSD2000K3	115100
	4	CSSD2000K4	99670	E-CSSD2000K4	134490
2500	3	CSSD2500K3	100260	E-CSSD2500K3	128650
	4	CSSD2500K4	111490	E-CSSD2500K4	150390
3150	3	CSSD3150K3	123340	E-CSSD3150K3	171320
	4	CSSD3150K4	140690	E-CSSD3150K4	195930

Notes: * 2 Pole switch prices available on request.

Moulded Switches

Plastic Enclosure



Rating (Amps)	Poles	Colour		Reference	MRP (₹)
		Box	Handle		
25	3	Grey	Black	☒ EABW CSSD 25 D3	1330
		Yellow	Red	☒ EACL CSSD 25 D3	1330
25	4	Grey	Black	☒ EABW CSSD 25 D4	1430
		Yellow	Red	☒ EACL CSSD 25 D4	1430
40	3	Grey	Black	☒ EABW CSSD 40 D3	1530
		Yellow	Red	☒ EACL CSSD 40 D3	1530
40	4	Grey	Black	☒ EABW CSSD 40 D4	1630
		Yellow	Red	☒ EACL CSSD 40 D4	1630
63	3	Grey	Black	☒ EABW CSSD 63 K3	1730
		Yellow	Red	☒ EACL CSSD 63 K3	1730



Moulded Switches

In Aluminium Alloy Enclosure

Rating Amps	Poles	Reference	MRP (₹)
16	3	☒ CSSD16D3■	2250
	4	☒ CSSD16D4■	2650
25	3	☒ CSSD25D3■	2760
	4	☒ CSSD25D4■	2960
30	3	☒ CSSD30D3■	2860
	4	☒ CSSD30D4■	3060
40	3	☒ CSSD40D3■	3170
	4	☒ CSSD40D4■	3370
63	3	☒ CSSD63K3■	3780
80	3	☒ CSSD80D3■	4080
100	3	☒ CSSD100D3■	5000
125	3	☒ CSSD125D3■	5890

Please replace ■ with ELCL or ELBL

ELCL Rotary handle colour: Red Rotary Knob with Yellow base.

ELBL Rotary handle colour: Black Rotary Knob with Grey base.

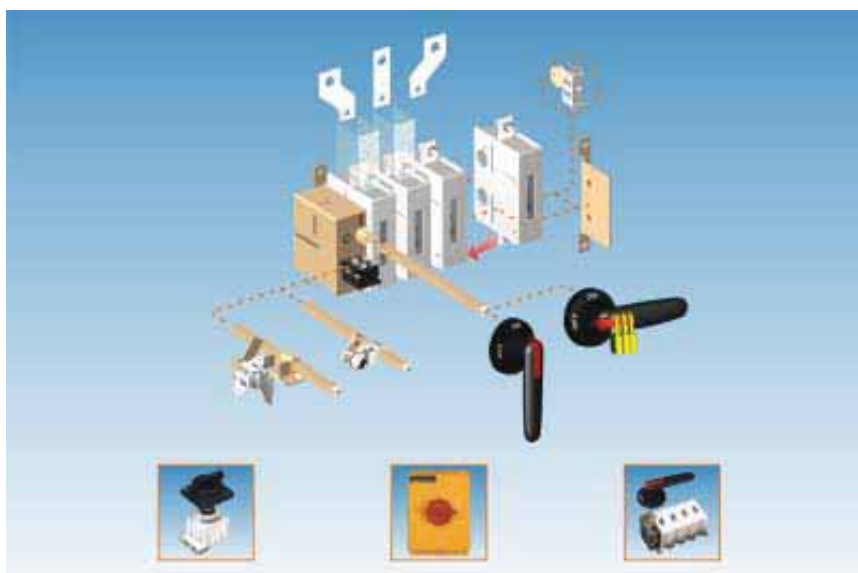
Toggle Switches

With Toggle type operating knob



CSSD in Open Execution

Rating Amps	Poles	Reference	MRP (₹)
25	3	☒ CSSD25C3	920
	4	☒ CSSD25C4	1020
40	3	☒ CSSD40C3	1020
	4	☒ CSSD40C4	1230
63	3	☒ CSSD63C3	1230
	4	☒ CSSD63C4	1330



☒ Non Stockable item

3D View of Switches

Switch Disconnectors (Moulded construction)

ACCESSORIES: Auxiliary Contacts

For Switch Type	Pole	Reference	MRP (₹)
1 NO + 1 NC CSSD 25A-40A	3	CSSDZX 49	450
2 NO + 2 NC CSSD 25A-40A	3	CSSDZX 50	840
1 NO + 1 NC CSSD 25A-40A	4	CSSDZX 87	450
2 NO + 2 NC CSSD 25A-40A	4	CSSDZX 88	840
1 NO + 1 NC CSSD 63A	3	CSSDZX 79	450
2 NO + 2 NC CSSD 63A	3	CSSDZX 80	840
1 NO + 1 NC CSSD 125A	3	CSSDZX 52	450
2 NO + 2 NC CSSD 125A	3	CSSDZX 53	840
1 NO + 1 NC CSSD 63A-125A	4	CSSDZX 55	450
2 NO + 2 NC CSSD 63A-125A	4	CSSDZX 56	840

SPARES: Extended Terminals

Rating (Amps)	Pole	Reference	MRP (₹)
125	TPN	ET-325	400
	4	ET-326	440

Rotary Knob Handles

For Switch Type	Reference	MRP (₹)
CSSD 25A-125A (Moulded-Red/Yellow)	CSSDZX108	280
CSSD 25A-125A (Moulded-Black)	CSSDZX111BL	280

Spare Handle Shaft

CSSD 25A-125A	CSP5X70	142
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Door Mounting Kit (for mounting Switch on door instead of base plate)

For Switch Type	Pole	Reference	MRP (₹)
CSSD 25A-63A	3	DMK-1	300
CSSD 25A-40A	4	DMK-1A	
CSSD 125A	3	DMK-2	
CSSD 63A-125A	4	DMK-3	

Note: Key & Castle Locks are available on request.



Switch Disconnectors (Modular construction)

ACCESSORIES: Auxiliary Contacts

For Switch Type	Pole	Reference	MRP (₹)
1 NO + 1 NC CSSD 125A-160A (Compact)	3/4	CSSDZX 1	450
2 NO + 2 NC CSSD 125A-160A (Compact)	3/4	CSSDZX 16	840
1 NO + 1 NC CSSD 200A-315A (Compact)	3/4	CSSDZX 37	450
2 NO + 2 NC CSSD 200A-315A (Compact)	3/4	CSSDZX 38	840
1 NO + 1 NC CSSD 200A-800A	3/4	CSSDZX 33	450
2 NO + 2 NC CSSD 200A-800A	3/4	CSSDZX 34	840
1 NO + 1 NC CSSD 1000A-3150A	3/4	CSSDZX 35	450
2 NO + 2 NC CSSD 1000A-3150A	3/4	CSSDZX 36	840

Key Interlocks (3 Locks - 2 Keys)

For Switch Type	Reference	MRP (₹)
CSSD 125A-160A	CSSDZW - 16	3400
CSSD 200A-3150A	CSSDZW - 5	

Castle Key Locks

CSSD 25A-160A	CSSDZW - 15	2860
CSSD 200A-3150A	CSSDZW - 4	

Handle Mounting Kit (for independent mounting of O/E Switches)

CSSD 200A-315A (Compact Series)	HMK-2	1110
CSSD 200A-800A	HMK-1-1	
CSSD 1000A-1800A	HMK-3-1	1190

SPARES

Switch Handles

For Switch Type	Reference	MRP (₹)
CSSD 200A-800A (Moulded)	CSWH 145 S12	790
CSSD 1000A-1800A (Moulded)	CSWH 220 S12	1000
CSSD 2500A-3150A (Moulded)	CSWH 220 S12	1000
CSSD 2500A-3150A (Metallic)	CSDA8	1170
CSSD 125A-160A (Compact) (Moulded)	CSWH 80 S6	460
CSSD 200A-315A (Compact) (Moulded)	CSWH80 S8	460

Switch Handle Shaft

CSSD 125A-160A (Compact)	CSP6X165	205
CSSD 200A-315A (Compact)	CSP8X240	205
CSSD 200A-1800A	CSP12X255	350
CSSD 2500A-3150A	CSP12X325	430

Switch Poles (Price per Pole)

125A (Compact)	CSSD-SP-125DM	1070
160A (Compact)	CSSD-SP-160DM	1240
200A (Compact)	CSSD-SP-200DM	1430
250A (Compact)	CSSD-SP-250DM	1910
315A (Compact)	CSSD-SP-315DM	2790
400A	CSSD-SP400K	5360
630A	CSSD-SP630K	6150
800A	CSSD-SP800K	8110
1000A	CSSD-SP1000K	12300
1250A	CSSD-SP1250K	15410
1600A	CSSD-SP1600K	17820
1800A	CSSD-SP1800K	27520

Extended Terminals for Switch Disconnectors

Rating (Amps)	Pole	Reference	MRP (₹)
125-160 (Compact)	TPN	ET-327	390
	4P	ET-328	460
200-400	TPN	ET-329	820
	4P	ET-330	1010

Changeover Switch 4 Pole 63~200A

NEW



On Load Change-over Switches (Back To Back Type)

LT Heavy Duty 4 Pole On Load Changeover Load Break Switch comprising of two compact Switches 63A - 200A, 415V, 50Hz complete with handle assembly having Door Interlock and Padlocking arrangement.

Rating (Amps)	Reference	MRP (₹)	Reference	MRP (₹)
63A	CSCS63NM4CO	3910	E-CSCS63NM4CO	5530
100A	CSCS100NM4CO	5210	E-CSCS100NM4CO	7100
125A	CSCS125NM4CO	7810	E-CSCS125NM4CO	10520
160A	CSCS160NM4CO	8580	E-CSCS160NM4CO	11540
200A	CSCS200NM4CO	10310	E-CSCS200NM4CO	13380

Direct handle Mounting Kit

Rating	Reference	MRP (₹)
63~100A	CSCONM1 HMB	310
125~200A	CSCONM2 HMB	390

Auxiliary Contacts

Description	Reference	MRP (₹)
1NO +1NC for 63~100A#	CSCONM1 AUX 10	390
1NO +1NC for 125~200A	CSCONM2 AUX 10	390
2NO +2NC for for 125~200A	CSCONM2 AUX 20	770

Extension Shaft for Handle

Rating	Reference	MRP (₹)
63~100A	CSPNM1 8X80	212
125~200A	CSPNM2 8X110	286

Handle Sub Assembly

Rating	Reference	MRP (₹)
63~100A	CSCONM1 H 80 S8	425
125~200A	CSCONM2 H 145 S8	610

On Load Change-over Switches (Back To Back Type)

In open execution, 4 pole

Rating (Amps)	Poles #	Reference	MRP (₹)
63	4	CSCS63DM4CO	4380
80	4	CSCS80DM4CO	5760
100	4	CSCS100DM4CO	6760
125	4	CSCS125DM4CO	8280
160	4	CSCS160DM4CO	9100
200	4	CSCS200DM4CO	11200
250	4	CSCS250DM4CO	16020
315	4	CSCS315DM4CO	16780
400	4	CSCS400DM4CO	24350
400	4	CSCS400K4CO	POR
630	4	CSCS630K4CO	28680
800	4	CSCS800K4CO	41990
1000	4	CSCS1000K4CO	69690
1250	4	CSCS1250K4CO	99570
1600	4	CSCS1600K4CO	137450
1800	4	CSCS1800K4CO	152950
2000	4	CSCS2000K4CO	170430
2500	4	☒ CSCS2500K4CO	225900
3150	4	☒ CSCS3150K4CO	311350

In Sheet Steel Enclosure

Rating (Amps)	Poles #	Reference	MRP (₹)
63	4	E-CSCS63DM4CO	6150
80	4	E-CSCS80DM4CO	7930
100	4	E-CSCS100DM4CO	8790
125	4	E-CSCS125DM4CO	10500
160	4	E-CSCS160DM4CO	11150
200	4	E-CSCS200DM4CO	14280
250	4	E-CSCS250DM4CO	19700
315	4	E-CSCS315DM4CO	20560
400	4	E-CSCS400DM4CO	30630
400	4	E-CSCS400K4CO	POR
630	4	E-CSCS630K4CO	34960
800	4	E-CSCS800K4CO	50870
1000	4	E-CSCS1000K4CO	87660
1250	4	E-CSCS1250K4CO	119080
1600	4	E-CSCS1600K4CO	160590
1800	4	E-CSCS1800K4CO	197740
2000	4	E-CSCS2000K4CO	208660
2500	4	☒ E-CSCS2500K4CO	272200
3150	4	☒ E-CSCS3150K4CO	367690

Switch Disconnector Fuse Changeover

LT Switch Disconnector Fuse Changeover complete with Handle Assembly having Door Interlock and Padlocking arrangement without fuses.

4 Pole in Open Execution

Rating	Reference	MRP (₹)	Recommended Fuse Links Type (IEC Size) BS
125	CSCF125B4CO	11840	CTF-125(B2)
160	CSCF160B4CO	12660	CTF-160(B2)
200	CSCF200B4CO	21650	CTF-200(B2)
250	CSCF250DB4CO	21850	CTKF-250(B3)
315	CSCF315B4CO	22560	CTKF-315(B3)
400	CSCF400B4CO	32370	CTMF-400(B4)
630	CSCF630B4CO	37780	CTTM-630(C2)
800	CSCF800B4CO	46860	CTLM-800(C3)

4 Pole in Sheet Steel Enclosure

Rating (Amps)	Reference	MRP	Recommended Fuse Links Type (IEC Size) BS
125	E-CSCF125B4CO	15210	CTF-125(B2)
160	E-CSCF160B4CO	16640	CTF-160(B2)
200	E-CSCF200B4CO	25930	CTF-200(B2)
250	E-CSCF250B4CO	26650	CTKF-250(B3)
315	E-CSCF315B4CO	27870	CTKF-315(B3)
400	E-CSCF400B4CO	40330	CTMF-400(B4)
630	E-CSCF630B4CO	46050	CTTM-630(C2)
800	E-CSCF800B4CO	52890	CTLM-800(C3)

☒ Non Stockable item



Bypass Switches

LT By Pass Switch complete with Handle Assembly having Door Interlock and Padlocking arrangement.

In Open Execution

Rating (Amps)	Poles	Reference	MRP (₹)
63	4	CSBS63DM4	11540
80	4	CSBS80DM4	12560
100	4	CSBS100DM4	13070
125	4	CSBS125DM4	14190
160	4	CSBS160DM4	16740
200	4	CSBS200DM4	18070
250	4	CSBS250DM4	26240
315	4	CSBS315DM4	27260
400	4	CSBS400K4	40940
630	4	CSBS630K4	46450
800	4	CSBS800K4	59630
1000	4	CSBS1000K4	107720
1250	4	CSBS1250K4	147940
1600	4	CSBS1600K4	198580
1800	4	CSBS1800K4	230540

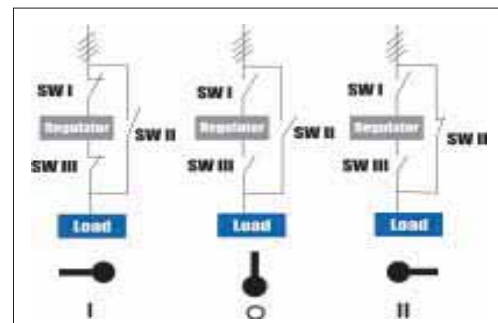
In Sheet Steel Enclosure

Rating (Amps)	Poles	Reference	MRP (₹)
63	4	E-CSBS63DM4	14500
80	4	E-CSBS80DM4	15520
100	4	E-CSBS100DM4	15930
125	4	E-CSBS125DM4	18150
160	4	E-CSBS160DM4	19600
200	4	E-CSBS200DM4	22160
250	4	E-CSBS250DM4	31860
315	4	E-CSBS315DM4	33590
400	4	E-CSBS400K4	47680
630	4	E-CSBS630K4	54520
800	4	E-CSBS800K4	80760
1000	4	E-CSBS1000K4	133040
1250	4	E-CSBS1250K4	179590
1600	4	E-CSBS1600K4	237590
1800	4	E-CSBS1800K4	263110

Bypass Switch application

Table of Operation

Handle	Switch - I	Switch - II	Switch - III	Remarks
Position - I	ON	OFF	ON	Regulated Supply to Load
Position - O	OFF	OFF	OFF	No Supply, Load as well as Regulator Isolated from Incoming Source
Position - II	OFF	ON	OFF	Direct Supply, Regulator By-passed & Isolated



ACCESSORIES (CSCS/CSBS/CSCF)

Auxiliary Contacts

Contacts Configuration	For Switch Type	Qty./ Switch	Reference	MRP (₹)
1 NO + 1 NC	CSCS/CSBS 63A-160A Upper CSCF 125A-160A	1	CSCSZX1-U	415
1 NO + 1 NC	CSCS/CSBS 63A-160A Lower CSCF 125A-160A	1	CSCSZX1-L	415
2 NO + 2 NC	CSCS/CSBS 63A-160A Upper CSCF 125A-160A	1	CSCSZX3-U	825
2 NO + 2 NC	CSCS/CSBS 63A-160A Lower CSCF 125A-160A	1	CSCSZX3-L	825
1 NO + 1 NC	CSCS/CSBS 200A-1800A CSCF 200A-800A	2	CSCSZX2	840
2 NO + 2 NC	CSCS/CSBS 200A-1800A CSCF 200A-800A	2	CSCSZX4	1640

Notes : If changeovers switch is required with Auxiliary contacts, please order the same separately. Prices listed are for the pair of auxiliary contacts, if applicable.

Spare Handle

Type	Reference	MRP (₹)
CSCS/CSBS 63-315A/CSCF125-315A	CCOH 145 S8	660
CSCS/CSBS 400A-1800A/CSCF400-800A	CCOH 220 S12	860
CSCS 2000A-3150A (Moulded)	CCOT 320 S12	970
CSCS 2000A-3150A (Metallic)	CSDA6	970

Spare Poles (Price per Pole)

Rating (Amps)	Type	Reference	MRP (₹)
63	CSCS/CSBS	CSSD-SP-63DM	940
80	CSCS/CSBS	CSSD-SP-80DM	960
100	CSCS/CSBS	CSSD-SP-100DM	1050
125	CSCS/CSBS/CSCF	CSSD-SP-125DM	1070
160	CSCS/CSBS/CSCF	CSSD-SP-160DM	1240
200	CSCS/CSBS/CSCF	CSSD-SP200DM	1430
250	CSCS/CSBS/CSCF	CSSD-SP250DM	1910
315	CSCS/CSBS/CSCF	CSSD-SP315DM	2790
400	CSCS/CSBS/CSCF	CSCS-SP400K	5360
630	CSCS/CSBS/CSCF	CSCS-SP630K	6150
800	CSCS/CSBS/CSCF	CSCS-SP800K	8110
1000	CSCS/CSBS	CSCS-SP1000K	12300
1250	CSCS/CSBS	CSCS-SP1250K	15410
1600	CSCS/CSBS	CSCS-SP1600K	17740
1800	CSCS/CSBS	CSCS-SP1800K	27520

Notes : for one changeover of 4 pole, 8 Nos of sparepoles are required.

Spare Handle Shaft

Type	Reference	MRP (₹)
CSCS 63-315A CSBS 63-315A CSCF 125-315A	CSP8X200	235
CSCS 400A-1800A	CSP12X205	260
CSCS 2000A-3150A CSBS 400A-1800A CSCF 400A-1800A	CSP12X305	420

☒ Non Stockable item

Switch Disconnector Fuse Changeover - Conventional Type (Side-by-Side)

LT Heavy Duty 4 Pole Changeover Switch Disconnector Fuse unit comprising of two Switches, 32A - 800A, 415V, 50Hz mounted on common chassis complete with Mechanical Interlock and Handle Assembly having Door Interlock & Padlocking arrangements **(without Fuses)**

CSSDF in Open Execution, 4 Pole

Rating (Amps)	Reference		MRP (₹)
	DIN	BS	
32	☒ CSSDF32D4CO	☒ CSSDF32B4CO	6940
63	☒ CSSDF63D4CO	☒ CSSDF63B4CO	8470
100	☒ CSSDF100D4CO	☒ CSSDF100B4CO	13070
125	☒ CSSDF125D4CO	☒ CSSDF125B4CO	15320
160	☒ CSSDF160D4CO	☒ CSSDF160B4CO	19710
200	☒ CSSDF200D4CO	☒ CSSDF200B4CO	25930
250	☒ CSSDF250D4CO	☒ CSSDF250B4CO	28380
315	☒ CSSDF315D4CO	☒ CSSDF315B4CO	30020
400	☒ CSSDF400D4CO	☒ CSSDF400B4CO	40230
630	☒ CSSDF630D4CO	☒ CSSDF630B4CO	56560
800	NA	☒ CSSDF800B4CO	65750

ACCESSORIES Changeover Switches (CSSDF)

Spare Handles

For Switch Type	Reference	MRP (₹)
CSSDF 32A - 160A (Moulded)	☒ CCOH 90 S6	480
CSSDF 200A - 400A (Moulded)	☒ CCOH 220 S12	850
CSSDF 630A - 800A (Moulded)	☒ CCOT 320 S12	970
CSSDF 630A - 800A (Metallic)	☒ CSDA6	970

Operating Mechanism

For CSSDF Changeover Switches

For Switch Type	Reference	MRP (₹)
CSSDF 32A-160A	☒ CSSDFZW1	2650
CSSDF 200A-400A	☒ CSSDZW12/1	7450
CSSDF 630A-800A	☒ CSSDZW12	9170

OFF Load Side Handle Changeover Switch 4 Pole

Amps / Voltage	Reference	MRP (₹)
32A / 415V	CSCSOF32CO4	2450
63A / 415V	CSCSOF63CO4	5000
100A / 415V	CSCSOF100CO4	9900
200A / 415V	CSCSOF200CO4	15010
315A / 415V	CSCSOF315CO4	19300
400A / 415V	CSCSOF400CO4	POR



Load Break Changeover-Conventional Type (Side-by-Side)

LT Heavy Duty 4 Pole Changeover Load Break Switch comprising of two Switches 25A - 3150A, 415V, 50Hz mounted on common chassis complete with Mechanical Interlock and Handle Assembly having Door Interlock and Padlocking arrangements.

CSSD in Open Execution, 4 Pole

Rating (Amps)	Reference	MRP (₹)
25	☒ CSSD25D4CO	5000
40	☒ CSSD40D4CO	5720
63	☒ CSSD63D4CO	6020
125	☒ CSSD125DM4CO	11230
200	☒ CSSD200DM4CO	14290
250	☒ CSSD250DM4CO	19710
400	☒ CSSD400K4CO	30940
630	☒ CSSD630K4CO	36450
800	☒ CSSD800K4CO	49720
1000	☒ CSSD1000K4CO	90000
1250	☒ CSSD1250K4CO	107720
1600	☒ CSSD1600K4CO	145590
1800	☒ CSSD1800K4CO	183700
2500	☒ CSSD2500K4CO	332230
3150	☒ CSSD3150K4CO	396250

Accessories Changeover Switch (CSSD) - Spare Handles

For Switch Type	Reference	MRP (₹)
CSSD 25A-125A (Moulded)	☒ CCOH 90 S6	450
CSSD 200A-800A (Moulded)	☒ CCOH 220 S12	850
CSSD 1000A-3150A (Moulded)	☒ CCOT 320 S12	970
CSSD 1000A-3150A (Metallic)	☒ CSDA6750	990

Operating Mechanism - For CSSD Changeover Switches

For Switch Type	Reference	MRP (₹)
CSSD 25A - 40A	☒ CSSDZW6	2500
CSSD 63A - 125A	☒ CSSDZW6/1	2620
CSSD 200A - 800A	☒ CSSDZW11	5450
CSSD 1000A - 3150A	☒ CSSDZW12	9170

Switch Fuse Unit (Re-wireable)

In sheet enclosure, powder coated, weather proof conforming to IS/IEC-60947-1& 3, rewirable upto 100A porcelain fuse unit

Amp / Volt	Pole	Reference	MRP (₹)
32/415	TPN	CSRW32P3NS	1890
63/415	TPN	CSRW63P3NS	3930
100/415	TPN	CSRW100P3NS	7400



Shorting Links / Busbars NOT provides with open execution Changeover Switches

Enclosure Prices on request.

☒ Non Stockable item

HRC Fuses

Low watt losses & low let thru energy HRC Fuse Links tested for 80kA at 415V / 500V, as per IS :13703 (Pt.2 / Sec.1) and IEC 269 (Pt.1 & 2), complete with indicators



DIN Type Fuse Links with Blade Contacts

Reference	In A	IEC Size	Std. Pkg. (No's)	MRP (₹)
OFAA 00H 6	6	00	3	224
OFAA 00H 10	10			
OFAA 00H 16	16			
OFAA 00H 20	20			
OFAA 00H 25	25			
OFAA 00H 32	32			
OFAA 00H 35	35			
CDFL 00 6	6	00	3	153
CDFL 00 10	10			
CDFL 00 16	16			
CDFL 00 20	20			
CDFL 00 25	25			
CDFL 00 32	32			
CDFL 00 35	35			
CDFL 00 40	40			
CDFL 00 50	50	00	3	224
CDFL 00 63	63	00	3	234
CDFL 00 80	80			
CDFL 00 100	100	00	3	255
CDFL 00 125	125			
CDFL 00 160	160	1	3	406
CDFL 1 32	32			
CDFL 1 35	35			
CDFL 1 50	50			
CDFL 1 63	63			
CDFL 1 80	80			
CDFL 1 100	100			
CDFL 1 125	125			
CDFL 1 160	160	1	3	416
CDFL 1 200	200			
CDFL 1 250	250	1	3	467
CDFL 2 100	100			
CDFL 2 125	125	2	3	600
CDFL 2 160	160			
CDFL 2 200	200	2	3	610
CDFL 2 250	250			
CDFL 2 315	315	2	3	670
CDFL 2 400	400			
CDFL 3 315	315	3	3	812
CDFL 3 400	400			
CDFL 3 500	500	3	3	975
CDFL 3 630	630			

FUSE Puller

Reference	Std. Pkg. (No's)	MRP (₹)
CDFH 003	1	234

NOTE : All orders will be accepted only in standard packaging qty.

HRC Fuse Bases & Fuse Holders

HRC Fuse Bases & Fuse Holders are tested for 80 kA at 415V / 500V, as per IS :13703 (Pt. 2 / Sec.1) and IEC 269 (Pt.1 & 2)



Fuse Bases for DIN Type Fuse Links

Reference	In A	IEC Size	Std. Pkg. (No's)	MRP (₹)
CDFB 00-1-160	160	00	3	255
CDFB1 250	250	1	3	510
CDFB2 400	400	2	3	680
CDFB3 630	630	3	3	925

NOTE : 3-Phase version available on request.

Solid Links

Reference	IEC Size	Std. Pkg. (No's)	MRP (₹)
CDSL 00	00	3	284
CDSL 1	1	3	386
CDSL 2	2	3	590
CDSL 3	3	3	690

Fuse Holders (Fuse Fittings) for British Pattern Fuses Links

Reference	Rating (Amps)	IEC Size	Std. Pkg. (No's)	MRP (₹)
CNS20HN	20	F1	10	112
CSM32HN	32	A2	5	173
CSM63HN	63	A3	5	213

Fuse Holders (Fuse Fittings "ISI" mark) for British Pattern Fuses Links

Reference	Rating (Amps)	IEC Size	Std. Pkg. (No's)	MRP (₹)
CNS20H	20	F1	10	122
CSM32H	32	A2	5	188
CSM63H	63	A3	5	234
CSM100H	100	A4	3	528
CSM100B*	100	A4	3	610



Fuse Holders (Fuse Fittings) for Cylindrical HBC Fuse Links

Reference	Rating (Amps)	IEC Size	Std. Pkg. (No's)	MRP (₹)
CHO32R	32	14 x 51	10	122
CHC63R	63	14 x 51	10	154

British Pattern HRC Fuse Links

Low watt losses & low let thru energy HRC Fuse Links tested for 80kA at 415V / 500V, as per IS:13703 (Pt.2 / Sec.1) and IEC 269 (Pt.1& 2)

CNS (Off Set) clip in Type

Reference	Rating (Amps)	IEC Size	Std. Pkg. (No's)	MRP (₹)
CNS	2, 4, 6, 8, 10, 12 & 16	F1	20	46
CNS	20, 25 & 32	F1	20	51

Reference	Rating (Amps)	IEC Size	Std. Pkg. (No's)	MRP (₹)
CTMF 355	355	B4	1	751
CTMF 400	400	B4	1	

Off Set TAG Type

CNIT	2, 4, 6, 8, 10, 12 & 16	A1	20	46
CNIT	20, 25, & 32	A1	20	51

Central TAG (4 hole fixing) Type

CTM 355	355	C1	1	751
CTM 400	400	C1	1	

CTIA	4, 6, 10, 16, 20, 25 & 32	A2	10	76
CTIS	32, 35, 40, 50 & 63	A3	10	86

CTIM 450	450	C2	1	975
CTIM 500	500	C2	1	975
CTIM 630	630	C2	1	1472

CTCP 50	50	A4	6	173
CTCP 63	63	A4	6	
CTCP 80	80	A4	6	
CTCP 100	100	A4	6	
CTCP 125	125	A4	6	

CTLM 670	670	C3	1	1645
CTLM 710	710	C3	1	
CTLM 750	750	C3	1	1645
CTLM 800	800	C3	1	

CTFP 125	125	-	3	244
CTFP 160	160	-	3	
CTFP 200	200	-	3	

Cylindrical HRC/FUSE Links

CHF	2, 4, 6, 8 & 10	(14*51)	20	102
CHF	16, 20 & 25	(14*51)	20	102
CHF	32 & 40	(14*51)	20	112
CHF	50	(14*51)	20	173
CHF	63	(14*51)	20	184

Central TAG (2 hole fixing) Type

CTC 80	80	B1	6	173
CTC 100	100	B1	6	
CTC 125	125	B1	6	

CGF	2, 4, 6, 8, 10 & 16	(10*38)	20	36
CGF	20 & 25	(10*38)	20	36
CGF	32	(10*38)	20	46

CTF 125	125	B2	3	254
CTF 160	160	B2	3	
CTF 200	200	B2	3	

CTKF 250	250	B3	1	365
CTKF 300	300	B3	1	
CTKF 315	315	B3	1	



Power Control Components

MPCBs

Mini Contactors

Contactors

Overload Relays

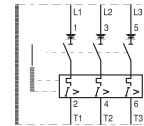
Motor Starters (Agri and Industrial)

Industrial Plugs & Sockets



Motor Protection Circuit Breaker

Conforming IS13947-2 : IEC60947-2



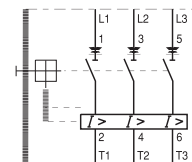
GLOBAL CERTIFICATION



TCMS-Model- Thermal Magnetic

- Adjustable thermal release
- Magnetic release 13 X Ie Max.
- Trip class 10
- Ambient temperature compensation
- Phase failure protection

Type / Frame	Power Rating 3-Ph Motors AC3-duty 415V, 50Hz Kw HP		Adjustment range (Amp)	Breaking capacity 415V, 50Hz	Reference	MRP (₹)	Breaking capacity 415V, 50Hz	Reference	MRP (₹)	Std. Pkg. (No's)
				Standard			Model/ Toggle Switch			
32AF			0.1~0.16	100	TCMS-32S~0.16	2115	100	TCMS-32H~0.16	2690	1
			0.16~0.25	100	TCMS-32S~0.25	2115	100	TCMS-32H~0.25	2690	
			0.25~0.4	100	TCMS-32S~0.4	2115	100	TCMS-32H~0.4	2690	
			0.4~0.63	100	TCMS-32S~0.63	2205	100	TCMS-32H~0.63	2740	
	0.25	0.5	0.63~1	100	TCMS-32S~1	2205	100	TCMS-32H~1	2840	
	0.55	0.75	1~1.6	100	TCMS-32S~1.6	2205	100	TCMS-32H~1.6	3045	
	0.75	1.5	1.6~2.5	100	TCMS-32S~2.5	2205	100	TCMS-32H~2.5	3045	
	1.5	2	2.5~4	100	TCMS-32S~4	2320	100	TCMS-32H~4	3045	
	2.2	5	4~6	100	TCMS-32S~6	2355	100	TCMS-32H~6	3095	
	3	5	5~8	100	TCMS-32S~8	2425	100	TCMS-32H~8	3245	
	4	7.5	6~10	50	TCMS-32S~10	2580	100	TCMS-32H~10	3245	
	5.5	7.5	9~13	50	TCMS-32S~13	3010	100	TCMS-32H~13	3350	
	7.5	10	11~17	20	TCMS-32S~17	3490	50	TCMS-32H~17	3580	
	7.5	15	14~22	15	TCMS-32S~22	3490	50	TCMS-32H~22	3900	
11	15	18~26	15	TCMS-32S~26	3540	50	TCMS-32H~26	4160		
63AF	15	20	22~32	15	TCMS-32S~32	6330	50	TCMS-32H~32	6495	
	18.5	30	28~40				50	TCMS-63H~40	9135	
	22	40	34~50				50	TCMS-63H~50	9740	
	30	50	45~63				50	TCMS-63H~63	10250	
100AF	37	60	55~75				75	TCMS-100H~75	10250	
	45	75	70~90				75	TCMS-100H~90	10250	
	45	75	80~100				75	TCMS-100H~100	10350	



TCMS-Model-Magnetic (Short circuit protection only)

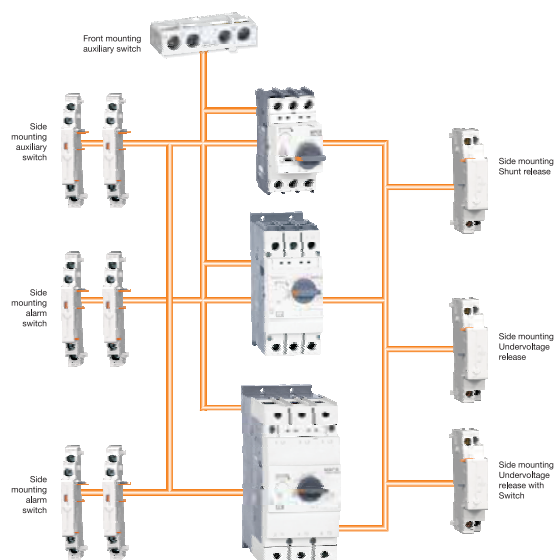
- Without thermal release
- Magnetic release 13 X Ie Max.

Frame	Breaking Capacity a 415V,50Hz	Power Rating 3-Ph Motors AC3-duty 415V, 50Hz		Rated Operational Current Ie (A)	Reference	MRP (₹)	Std. Pkg. (No's)
		Kw	HP				
32AF	100	0.02		0.16	TCMS-32HI~0.16	2640	1
	100	0.06		0.25	TCMS-32HI~0.25	2640	
	100	0.09		0.4	TCMS-32HI~0.4	2640	
	100	0.12		0.63	TCMS-32HI~0.63	2740	
	100	0.25	0.5	1	TCMS-32HI~1	2740	
	100	0.55	0.75	1.6	TCMS-32HI~1.6	2740	
	100	0.75	1.5	2.5	TCMS-32HI~2.5	2740	
	100	1.5	2	4	TCMS-32HI~4	2840	
	100	2.2	5	6	TCMS-32HI~6	2840	
	100	3	5	8	TCMS-32HI~8	2840	
	100	4	7.5	10	TCMS-32HI~10	2940	
	100	5.5	7.5	13	TCMS-32HI~13	2940	
	50	7.5	10	17	TCMS-32HI~17	3150	
	50	7.5	15	22	TCMS-32HI~22	3150	
	50	11	15	26	TCMS-32HI~26	3150	
63AF	50	15	20	32	TCMS-32HI~32	5430	
	50	18.5	30	40	TCMS-63HI~40	7710	
	50	22	40	50	TCMS-63HI~50	8625	
	50	30	50	63	TCMS-63HI~63	8830	
100AF	75	37	60	75	TCMS-100HI~75	9440	
	75	45	75	90	TCMS-100HI~90	9740	
	75	45	75	100	TCMS-100HI~100	9740	

Non Stockable item

Accessories for MPCBs

Description	Configuration	Model	MRP (₹)	Std. Pkg. (No's)
Auxiliary switch for front mounting	1NO+1NC	TFX11	485	1
	2NC	TFX02	485	
	2NO	TFX20	485	
Auxiliary switch for front side mounting on the left	1NO+1NC	TLX11	525	
	2NC	TLX02	525	
	2NO	TLX20	525	
Any trip alarm switch for side mounting on the left	1NO+1NC	TLA11	660	1
	2NC	TLA02	660	
	2NO	TLA20	660	
Magnetic trip alarm switch for side mounting on the left		TLAM	685	1
Shunt release for side mounting on the right	110~127V50Hz	TRS110~127V50Hz	1240	1
	220~230V50Hz	TRS220~230V50Hz	1240	
	415~440V50Hz	TRS415~440V50Hz	1240	
Undervoltage release for side mounting on the right	110~127V50Hz	TRU110~127V50Hz	1240	
	220~230V50Hz	TRU220~230V50Hz	1240	
	415~440V50Hz	TRU415~440V50Hz	1240	
Undervoltage release with switch for side mounting on the right	110~127V50Hz	TRUX110~127V50Hz	1190	
	220~230V50Hz	TRUX220~230V50Hz	1190	
	415~440V50Hz	TRUX415~440V50Hz	1190	
Insulation Barrier (for TCMS-100H/100HI only)		TIB100	315	1
Adaptor kit for MPCB + Mini Contactors	TCMS-32S+TC1M06-16	TDA-16SA	315	
	TCMS-32S+TP1M06-16	TDA-16SD	315	
	TCMS-32H/32HI+TC1M06-16	TDA-16HA	315	
	TCMS-32H/32HI+TP1M06-16	TDA-16HD	315	
Busbar	2 Point	PB322 PB632	630	1
	3 Point*	PB323 PB633	730	1
MPCB Enclosure (IP 65 Category)	for TCMS-32H/HI	EPH32-65S	960	1
Extended Handle (Door Mounting with Door Interlock, Defeat Interlock & Padlock)	Extension Shaft 115mm TCMS-32H/HI TCMS-63H/HI TCMS-100H/HI	MEH32-115 MEH63-115 MEH100-115	860	1
	Extension Shaft 315mm TCMS-32H/HI TCMS-63H/HI TCMS-100H/HI	MEH32-315 MEH63-315 MEH100-315	1065	1



Mini Contactors

Conforming IS13947-4 : IEC60947-4

Control Relays
10 Amps

GLOBAL CERTIFICATION



Rated Current (Ith)	Contact Configuration	With AC Coil			With DC Coil		
		Reference	MRP (₹)	Std. Pkg. (No's)	Reference	MRP (₹)	Std. Pkg. (No's)
10	2 NO + 2 NC	TCA2-M22 ■	800	10	TCA3-M22 ■	1030	10
	3 NO + 1 NC	TCA2-M31 ■			TCA3-M31 ■		
	4 NO	TCA2-M40 ■			TCA3-M40 ■		
	1 NO + 3 NC	TCA2-M13 ■			TCA3-M13 ■		
	4 NC	TCA2-M04 ■			TCA3-M04 ■		

■ Please specify Coil Voltage.

Power Contactors

3 Pole

AC1 Duty A	kW	AC3 415V Long Life HP	A	With AC Coil				With DC Coil			
				Auxiliary Contacts	Reference	MRP (₹)	Std. Pkg. (No's)	Auxiliary Contacts	Reference	MRP (₹)	Std. Pkg. (No's)
20	2.2	3	6	1 NO - - 1 NC	TC1-M0610 ■ TC1-M0601 ■	680	10	1 NO - - 1 NC	TP1-M0610 ■ TP1-M0601 ■	1020	1
20	4	5.5	9	1 NO - - 1 NC	TC1-M0910 ■ TC1-M0901 ■	720	10	1 NO - - 1 NC	TP1-M0910 ■ TP1-M0901 ■	1065	
20	5.5	7.5	12	1 NO - - 1 NC	TC1-M1210 ■ TC1-M1201 ■	775	10	1 NO - - 1 NC	TP1-M1210 ■ TP1-M1201 ■	1125	
20	7.5	10	16	1 NO - - 1 NC	TC1-M1610 ■ TC1-M1601 ■	910	10	1 NO - - 1 NC	TP1-M1610 ■ TP1-M1601 ■	1270	

■ Please specify Coil Voltage.

Coil Voltage Codes for Mini Contactors & Control Relays

Contactor	Voltage				
	24	48	110	220	415
AC	B	E	F	M	N
DC	BD	ED	FD	MD	-

Overload Relays

For Mini Contactors

Direct Mounting

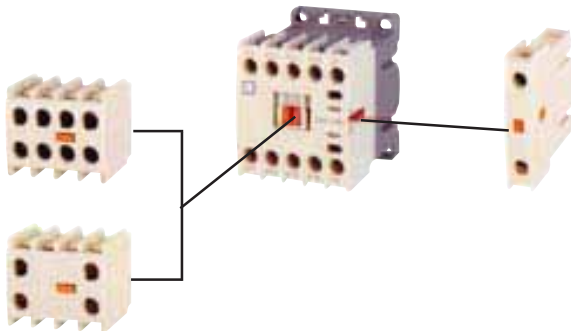
Relay Range [A]	Reference	MRP (₹)	Std. Pkg. (No's)	Independent Mounting Kit
0.10 - 0.16	TR2 - M0.14A	965	1	Reference TA7-M0964 MRP (₹) 345
0.16 - 0.25	TR2 - M0.21A			
0.25 - 0.4	TR2 - M0.33A			
0.4 - 0.63	TR2 - M0.52A			
0.63 - 1	TR2 - M0.82A			
1 - 1.6	TR2 - M1.3A			
1.6 - 2.5	TR2 - M2.1A			
2.5 - 4	TR2 - M3.3A			
4 - 6	TR2 - M5A			
5 - 8	TR2 - M6.5A			
6 - 9	TR2 - M7.5A	1115		
7 - 10	TR2 - M8.5A			
9 - 13	TR2 - M11A			
12 - 16	TR2 - M14A	1115		



Accessories for Mini Contactors

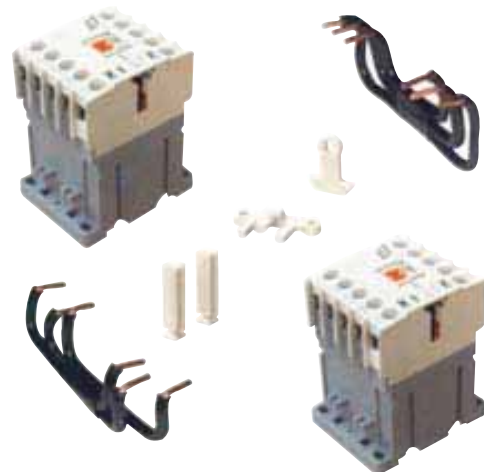
ADD-ON-BLOCK

Contact Configuration		Reference	MRP (₹)	Std. Pkg. (No's)
Front Mounted	2 NO	TA1-M20	185	10
	1 NO+1 NC	TA1-M11		
	2 NC	TA1-M02		
	4 NO	TA1-M40	325	10
	3 NO+1 NC	TA1-M31		
	2 NO+2 NC	TA1-M22		
	1 NO+3 NC	TA1-M13		
Side Mounted	4 NC	TA1-M04	205	10
	1 NC	TA8-M01		
	1 NO	TA8-M10		



Mechanical Interlocks for Horizontally Mounted

Use For Contactor		Reference	MRP (₹)	Std. Pkg. (No's)
AC	DC			
TC1-MS06	TP1-MS06	TA9-M978	285	1
TC1-MS09	TP1-MS09			
TC1-MS12	TP1-MS12			
TC1-MS16	TP1-MS16			



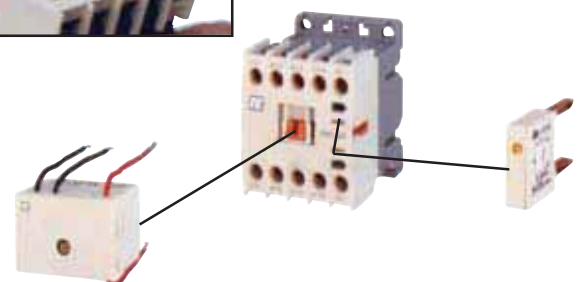
ELECTRONIC TIMER

Description	Delay	Time	Voltage	Reference	MRP (₹)
Front Mounting	ON Delay	0.1~30sec	AC/DC	TA2-M/ 1N	1065
	OFF Delay	0.1~30sec	24~48V	TA2-M/ 1F	
Electronic Timer	ON Delay	0.1~30sec	AC	TA3-M/ 2N	
	OFF Delay	0.1~30sec	100~220V	TA3-M/ 2F	



COIL SUPPRESSOR

Description	Voltage	Reference	MRP (₹)	Std. Pkg. (No's)
Varistor	AC 24~ 48V	TA9-M980/1	335	1
	AC 60~ 127V	TA9-M980/2		
	AC 200~ 240V	TA9-M980/3		
	DC 12~ 24V	TA9-M980/4		
	DC 30 ~ 72V	TA9-M980/5		
	DC 100 ~ 127 V	TA9-M980/6		
	DC 200~ 250 V	TA9-M980/7		



Contactor



- Compact 45 mm Contactor rating 9~38A
 - In-built auxiliary contact
 - Easy coil replacement ... snap fit design
 - High mechanical & electrical endurance
- Power Contactor rating 40~500A, AC3, 3P with extended terminals
- Power Contactor rating 60~1000A, AC1, 4P with extended terminals
- Compact DC Contactor rating 9~32A

For prices please contact nearest branch office.

robusta Power Contactors

Conforming IS13947-4: IEC60947-4



Control Relays - 10A

Rated Current(Ie) AC15 at 240V (Amps)	Contact Configuration	With AC Coil			With DC Coil		
		Reference	MRP (₹)	Std. Pkg. (No's)	Reference	MRP (₹)	Std. Pkg. (No's)
10	2 NO+2NC 3 NO+1NC 4 NO	TCA2-DN22 ■	835	1	TCA3-DN22 ■	1165	1
		TCA2-DN31 ■			TCA3-DN31 ■		
		TCA2-DN40 ■			TCA3-DN40 ■		

■ To specify Coil Voltage, please refer page no. 66

Power Contactors 3 Pole : Rating 9A ~ 95A

AC1 Duty A	AC3 415 V Long Life kW HP A			With AC Coil				With DC Coil			
				Auxiliary Contacts	Reference	MRP (₹)	Std. Pkg. (No's)	Auxiliary Contacts	Reference	MRP (₹)	Std. Pkg. (No's)
25	4	5.5	9	1NO -	TC1-D0910 ■	740	1	NO -	TP1-D0910 ■	1025	1
				- 1NC	TC1-D0901 ■			- 1NC	TP1-D0901 ■		
	5.5	7.5	12	1NO -	TC1-D1210 ■	825	1	NO -	TP1-D1210 ■	1145	1
				- 1NC	TC1-D1201 ■			- 1NC	TP1-D1201 ■		
32	9	12.5	18	1NO -	TC1-D1810 ■	950	1	NO -	TP1-D1810 ■	1360	1
				- 1NC	TC1-D1801 ■			- 1NC	TP1-D1801 ■		
	11	15	22	1NO -	TC1-D2210 ■	1095	1	NO -	TP1-D2210 ■	1960	1
				- 1NC	TC1-D2201 ■			- 1NC	TP1-D2201 ■		
40	11	15	25	1NO -	TC1-D2510 ■	1300	1	NO -	TP1-D2510 ■	2050	1
				- 1NC	TC1-D2501 ■			- 1NC	TP1-D2501 ■		
50	15	20	32	1NO -	TC1-D3210 ■	2770	1	NO -	TP1-D3210 ■	4260	1
				- 1NC	TC1-D3201 ■			- 1NC	TP1-D3201 ■		
	18.5	25	38	1NO -	TC1-D3810 ■	4035	1	NO -	TP1-D3810 ■	4970	1
				- 1NC	TC1-D3801 ■			- 1NC	TP1-D3801 ■		
60	22	30	40	1NO 1NC	TC1-D4011 ■	4210	1	NO 1NC	TP1-D4011 ■	5380	1
80	22	30	45	1NO 1NC	TC1-D4511 ■	5065	1	NO 1NC	TP1-D4511 ■	POR	1
	25	35	50	1NO 1NC	TC1-D5011 ■	5125	1	NO 1NC	TP1-D5011 ■	7410	1
	37	50	65	1NO 1NC	TC1-D6511 ■	6960	1	NO 1NC	TP1-D6511 ■	8020	1
100	37	50	70	1NO 1NC	TC1-D7011 ■	7255	1	NO 1NC	TP1-D7011 ■	POR	1
125	45	60	80	1NO 1NC	TC1-D8011 ■	8880	1	NO 1NC	TP1-D8011 ■	10605	1
	45	60	95	1NO 1NC	TC1-D9511 ■	10605		- -	-	-	-

■ To specify Coil Voltage, please refer page no. 66

Power Contactors 3 Pole 4 NC: Rating 9~25A

AC1 Duty A	AC3 415 V Long Life kW HP A			With AC Coil		
				Reference	MRP (₹)	Std. Pkg. (No's)
25	4	5.5	9	TC1-D09006 ■	1065	10
	5.5	7.5	12	TC1-D12006 ■	2055	
40	11	15	25	TC1-D25006 ■	2030	

■ To specify Coil Voltage, please refer page no. 66





Power Contactors With Dust Cover 3 Pole: Rating 115A ~ 800A

AC1 Duty A	AC3 415 V Long Life kW HP A			With AC Coil			With DC Coil		
				Reference	MRP (₹)	Std. Pkg. (No's)	Reference	MRP (₹)	Std. Pkg. (No's)
200	59	80	115	LC1FDP115A ■	11975	1	LC1FDP115A ■	12940	1
250	80	108	150	LC1FDP150A ■	15830	1	LC1FDP150A ■	17050	1
275	100	136	185	LC1FDP185A ■	22075	1	LC1FDP185A ■	22910	1
275	105	140	200	LC1FDP200A ■	22840	1	LC1FDP200A ■	POR	1
315	110	148	225	LC1FDP225A ■	24155	1	LC1FDP225A ■	24870	1
350	140	190	265	LC1FDP265A ■	26900	1	LC1FDP265A ■	27910	1
350	150	200	300	LC1FDP300A ■	32480	1	LC1FDP300A ■	POR	1
400	180	240	330	LC1FDP330A ■	33495	1	LC1FDP330A ■	34000	1
500	220	300	400	LC1FDP400A ■	39585	1	LC1FDP400A ■	42325	1
700	280	380	500	LC1FDP500A ■	55320	1	LC1FDP500A ■	60390	1
1000	375	500	630	LC1FDP630A ■	82215	1	LC1FDP630A ■	96425	1
1600	425	580	780	☒ LC1FDP780A ■	162400	1	☒ LC1FDP780A ■	157325	1
1000	450	610	800	☒ LC1FDP800A ■	137025	1			

- To specify Coil Voltage, please refer page no. 66
- Power Contactors with dust cover 2 Pole variants available on requests
- Power Contactors with dust cover rating 115~800A are supplied factory assembled complete with No-Volt Coil and auxiliary contact block 2NO+2NC.

Hoisting Power Contactors with dust cover 3 Pole : Rating 115A ~ 400A

AC1 Duty A	AC3 415 V Long Life kW HP A			With AC Coil		
				Reference	MRP (₹)	Std. Pkg. (No's)
200	59	80	115	LC1FDP115HCA ■	12180	1
250	80	110	150	LC1FDP150HCA ■	20300	
275	100	135	185	LC1FDP185HCA ■	21820	
315	110	150	225	LC1FDP225HCA ■	26900	
350	140	190	265	LC1FDP265HCA ■	28420	
400	180	220	330	LC1FDP330HCA ■	35525	
500	220	300	400	LC1FDP400HCA ■	42120	

- To specify Coil Voltage, please refer page no. 66

Telecom Contactors 4Pole Rating AC1 25 A~50A

AC1 Duty (A)	Main Pole Configuration	With AC Coil		
		Reference	MRP (₹)	Std. Pkg. (No's)
25	4 NO	TC1DT254Ne	POR	40
32	4 NO	TC1DT324Ne		
40	4 NO	TC1DT404Ne		
50	4 NO	TC1DT504Ne		



Power Contactors 4 Pole : Rating AC1 25A ~ 125A

AC1 Duty A	Main Pole Configuration	With AC Coil			With DC Coil		
		Reference	MRP (₹)	Std. Pkg. (No's)	Reference	MRP (₹)	Std. Pkg. (No's)
25	4NO --	TC1-D12004 ■	1115	1	TP1-D12004 ■	1580	1
	2NO 2NC	☒ TC1-D12008 ■	1340		☒ TP1-D12008 ■	2180	
40	4NO --	TC1-D25004 ■	1725		TP1-D25004 ■	3045	
	2NO 2NC	☒ TC1-D25008 ■	2280		☒ TP1-D25008 ■	4060	
60	4NO --	TC1-D40004 ■	4160		TP1-D40004 ■	5175	
	2NO 2NC	☒ TC1-D40008 ■	7205		☒ TP1-D40008 ■	6900	
80	4NO --	TC1-D65004 ■	6600		TP1-D65004 ■	8930	
	2NO 2NC	☒ TC1-D65008 ■	9030		☒ TP1-D65008 ■	10150	
125	4NO --	TC1-D80004 ■	9740		TP1-D80004 ■	11470	
	2NO 2NC	☒ TC1-D80008 ■	10810		☒ TP1-D80008 ■	11875	

■ To specify Coil Voltage, please refer page no. 66



Power Contactors with dust cover 4 Pole : Rating AC1 200A ~ 1600A

AC1 Duty A	Main Pole Configuration	With AC Coil			With DC Coil		
		Reference	MRP (₹)	Std. Pkg. (No's)	Reference	MRP (₹)	Std. Pkg. (No's)
200	4 NO	LC1FDP1154 ■	17460	1	LC1FDP1154 ■	21820	1
250	4 NO	LC1FDP1504 ■	19285	1	LC1FDP1504 ■	25375	1
275	4 NO	LC1FDP1854 ■	29435	1	LC1FDP1854 ■	33495	1
315	4 NO	LC1FDP2254 ■	32275	1	LC1FDP2254 ■	37555	1
350	4 NO	☒ LC1FDP2654 ■	35020	1	☒ LC1FDP2654 ■	42630	1
400	4 NO	☒ LC1FDP3304 ■	43645	1	☒ LC1FDP3304 ■	50750	1
500	4 NO	☒ LC1FDP4004 ■	50750	1	☒ LC1FDP4004 ■	60900	1
700	4 NO	☒ LC1FDP5004 ■	73080	1	☒ LC1FDP5004 ■	83230	1
1000	4 NO	☒ LC1FDP6304 ■	106575	1	☒ LC1FDP6304 ■	114695	1
1600	4 NO	☒ LC1FDP7804 ■	233450	1	☒ LC1FDP7804 ■	248675	1

- To specify Coil Voltage, please refer page no. 66
- 4 Pole Power Contactors with dust cover rating AC1 200~1600A are supplied factory assembled complete with No-Volt Coil and auxiliary contact block 2NO+2NC.

☒ Non Stockable item

Capacitor Duty Contactors 3 Pole, AC

kVAR Rating	Auxiliary Contacts	Reference	MRP (₹)	Std. Pkg. (No's)
7	1NO+1NC	TC1-D07K11 	1825	1
	2NC	TC1-D07K02 		
10	1NO+1NC	TC1-D10K11 	1930	
	2NC	TC1-D10K02 		
12.5	1NO+1NC	TC1-D12K11 	1960	
	2NC	TC1-D12K02 		
16.7	1NO+1NC	TC1-D16K11 	2540	
	2NC	TC1-D16K02 		
20	1NO+1NC	TC1-D20K11 	3195	
	2NC	TC1-D20K02 		
25	1NO+1NC	TC1-D25K11 	3290	
	2NC	TC1-D25K02 		
33.3	1NO+2NC	TC1-D33K12 	6515	
40	1NO+2NC	TC1-D40K12 	10050	
60	1NO+2NC	TC1-D60K12 	11010	

robusta Contactors Coils

AC Coil Voltage Codes for Contactors 9A~95A & Control Relays

Contactor	Voltage					
TCA2-DN / TC1-D	24	48	110	220	240	415
50Hz	B5	E5	F5	M5	U5	N5
50/60Hz	B7	E7	F7	M7	U7	N7

■ Non-Standard coil Extra MRP @ ₹ 100/- per contactor

DC Coil Voltage Codes for Contactors 9A~95A & Control Relays

Contactor	Voltage					
TCA3-DN/ TP1-D	24	48	72	110	220	
Normal Coil	BD	ED	SD	FD	MD	
Wide band Coil#	BW	EW	-	FW	-	

Wide band Coil available in 50 Hz only

AC Coil Voltage robusta Capacitor Duty Contactors

Contactor	Voltage				
TC1-D**K	24	110	220	240	415
50Hz	B5	F5	M5	U5	N5
50/60Hz	B7	F7	M7	U7	N7

AC Coil for 4 Pole Telecom Contactor

Contactor	Voltage			
TC1-DT**Ne	230	235	240	415
50Hz	P	C5W	M	N

All coils codes applicable for extra wide band coils.



AC Coil Voltage Codes for Contactors 115A~780A

Contactor Type	110	220	240 ♦	415
LC1FDP	F	M	U	N

DC Coil Voltage Codes for Contactors 115A~780A

Contactor Type	24 #	48	110	220
LC1FDP	BD	ED	FD	MD

Not available for LC1FDP400, LC1FDP500, LC1FDP630 & LC1FDP780

AC Coil Voltage Codes for Contactor 800A

Contactor Type	110/127	220/240	380/400
LC1-FDP	FW	MW	QW

♦ Not Available for LC1FDP780

How to order:

- Select applicable Coil Voltage required for Contactor.
- Complete the code by replacing the ■
- To order additional Auxiliary Block, Timers and other accessories, please refer page 68

■ Non-Standard coil available on request, Extra MRP@ ₹ 500 each per Contactor rating 115#780A

robusta Overload Relay

Thermal Overload Relays Direct Mounting

Relay Setting Range (Amps)	Standard Power Rating for 3 Ph. Motor at 415V		Reference	Suitable for Contactor Rating (Amps)	MRP (₹)	Indepen- dent Mounting Kit	Std. Pkg. (No's)
	HP	kW					
Direct Mounting							
0.10 ~ 0.16	*	*	TR2-D09301	9	1070	Reference TA7-D0964 MRP ₹190	1
0.16 ~ 0.25	*	*	TR2-D09302				
0.25 ~ 0.40	*	*	TR2-D09303				
0.40 ~ 0.63	*	*	TR2-D09304				
0.63 ~ 1.00	0.5	0.37	TR2-D09305				
1.00 ~ 1.60	0.75	0.55	TR2-D09306				
1.25 ~ 2.00	1.0	0.75	TR2-D093X6				
1.60 ~ 2.50	1.5	1.1	TR2-D09307				
2.50 ~ 4.00	2.0	1.5	TR2-D09308				
4.00 ~ 6.00	3.0	2.2	TR2-D09310				
5.50 ~ 8.00	5	3.7	TR2-D09312				
7.00 ~ 10.0	5.5	4	TR2-D09314				
9.0 ~ 13.0	7.5	5.5	TR2-D12316	12	1240		1
9.0 ~ 14.0	7.5	5.5	TR2-D12316X	12			
12.0 ~ 18.0	12	9	TR2-D18321	18			
14.0 ~ 22.0	12	9	TR2-D18321X	18			
17.0 ~ 25.0	15	11	TR2-D25322	25			
23.0 ~ 32.0	20	15	TR2-D32353	32	1765	TA7-D3264 ₹ 275	
28.0 ~ 36.0	20	18	TR2-D32355				
23.0 ~ 32.0	20	15	TR2-D40353	40	2050	TA7-D4064 ₹ 920	1
30.0 ~ 40.0	30	22	TR2-D40355				
37.0 ~ 50.0	35	25	TR2-D65357		2505		
48.0 ~ 65.0	40	30	TR2-D65359	65	3195		
55.0 ~ 70.0	50	37	TR2-D65361				
63.0 ~ 80.0	60	45	TR2-D80363		80	3220	
80.0 ~ 93.0	65	49	TR2-D95365	95	3250		
Independent Mounting							
65 ~ 105	75	55	LR1-F105		5885		1
80 ~ 125	80	59	LR1-F125				
100 ~ 160	110	80	LR1-F160				
125 ~ 200	135	100	LR1-F200				
160 ~ 250	175	129	LR1-F250				
200 ~ 315	220	160	☒ LR1-F315		7205		1
250 ~ 400	270	200	☒ LR1-F400				
315 ~ 500	350	257	☒ LR1-F500				
400 ~ 630	480	355	☒ LR1-F630				
500 ~ 800	580	425	☒ LR1-F800		19180		1
630 ~ 1000	680	500	☒ LR1-F1000				

Thermal Overload Relays Protective Shroud for LR1-F105~630

Relay Type	Reference	MRP (₹)	Std. Pkg. (No's)
LR1-F(M)105	LA9-F702	1260	1
LR1-F(M)125			
LR1-F160			
LR1-F200			
LR1-F250	LA9-F703	1670	1
LR1-F315			
LR1-F400	LA9-F703	1770	1
LR1-F500			
LR1-F630			



Heavy Duty Overload Relays Independent Mounting

Relay Setting Range (Amps)	Reference	MRP (₹)	Std. Pkg. (No's)
2.5-4.0	TR6 - F4	8320	1
4.0-6.3	TR6 - F6.3		
6.3-10	TR6 - F10		
8.0-12.5	TR6 - F12.5		
10-16	TR6 - F16		
16-25	TR6 - F25		
25-40	☒ TR6 - F40		
40-63	☒ TR6 - F63		
63-100	☒ TR6 - F100		
100-160	☒ TR6 - F160		
125-200	☒ TR6 - F200		
160-250	☒ TR6 - F250		
250-400	☒ TR6 - F400		

☒ Non Stockable item

ACCESSORIES for robuTa Contactors

Add-On Block for Contactor Rating 9~800A

Contact Configuration	Reference	MRP (₹)	Std. Pkg. (No's)
Front Mounted	1 NO	105	10
	1 NC		
	2 NO	215	20
	1 NO+1 NC		
	2 NC	325	20
	4 NO		
	3 NO+1 NC		
	2 NO+2 NC		
	1 NO+3 NC		
	4 NC		
Side Mounted	1 NO+1 NC	325	10
	2 NO		

* Suitable for robuTa Contactor rating 25~95A only.

** Suitable for robuTa Contactor rating 9~95A only.

AC Coils Control Relay & Contactor 9~95A

Use for Contactor AC	Reference*	MRP (₹)	Std. Pkg. (No's)
TCA2-DN	TX1-D2 ■	435	20
TC1-D09			
TC1-D12			
TC1-D18			
TC1-D25	TX1-D4 ■	505	10
TC1-D32			
TC1-D40	TX1-D6 ■	1015	10
TC1-D50			
TC1-D63			
TC1-D80			
TC1-D95			

DC Coils Control Relay & Contactor 9~80A

Use for Contactor DC	Reference*	MRP (₹)	Std. Pkg. (No's)
TCA3 - DN	TX4-D2 ■ TX5-D2 ■	550	1
TP1 - D09			
TP1 - D12			
TP1 - D18			
TP1 - D25	TX4-D4 ■ TX5-D4 ■	675	1
TP1 - D32			
TP1 - D40	TX4-D40 ■ TX5-D40 ■	1420	1
TP1 - D50			
TP1 - D65			
TP1 - D80	TX4-D80 ■ TX5-D80 ■	3350	1

■ Complete the code for Spare Coil by indicating the Coil Voltage required after the reference

*Please refer page no. 66 for Coil Voltage available



Mechanical Interlocks - Horizontal Mounted

Use for Contactor	Reference*	MRP (₹)	Std. Pkg. (No's)
AC DC			
TC1-D09 TP1-D09	LA9-D09978	325	10
TC1-D12 TP1-D12			
TC1-D18 TP1-D18			
TC1-D25 TP1-D25			
TC1-D32 TP1-D32			
TC1-D40 TP1-D40	LA9-D50978	670	10
TC1-D50 TP1-D50			
TC1-D65 TP1-D65			
TC1-D80 TP1-D80	LA9-D80978	880	10
TC1-D95 -			

Pneumatic Timer Block - Front Mounted

Contact Configuration	Reference	MRP (₹)	Std. Pkg. (No's)
ON delay 1 NO+1 NC	TA2-DT0 0.1...3s	1220	10
ON delay 1 NO+1 NC	TA2-DT2 0.1...30s		
ON delay 1 NO+1 NC	TA2-DT4 10...180s		
OFF delay 1 NO+1 NC	TA3-DR0 0.1...3s	1220	10
OFF delay 1 NO+1 NC	TA3-DR2 0.1...30s		
OFF delay 1 NO+1 NC	TA3-DR4 10...180s		
Star Delta 1 NO+1 NC	TA2-DS2 1...30s	1440	10

Coil Surge Suppressor for Contactor 9~95A

Description	Voltage Ratings	Reference	MRP (₹)	Std. Pkg. (No's)
Varistor (AC/DC) Clip-on mounting	24~48VAC/DC	TA9AMOV980E	435	10
	110~240V AC/DC	TA9AMOV980U		
RC Circuit (AC) Clip-on mounting	24~48V AC	TA9RC980E		
	110~240V AC	TA9RC980U		
	380~440V AC	TA9RC980N		

Electrical & Mechanical Interlocks - Horizontal Mounted

Use for Contactor	Reference*	MRP (₹)	Std. Pkg. (No's)
AC DC			
TC1-D09 TP1-D09	ELA9-D09978	375	10
TC1-D12 TP1-D12			
TC1-D18 TP1-D18			
TC1-D25 TP1-D25			
TC1-D32 TP1-D32			
TC1-D40 TP1-D40	ELA9-D50978	POR	
TC1-D50 TP1-D50			
TC1-D65 TP1-D65			
TC1-D80 TP1-D80	ELA9-D80978		
TC1-D95 -			



AC Coils for Hoisting Power Contactor

Contactor	110V	220V	240V	415V	MRP (₹)
LC1-FDP115HC LC1-FDP150HC	LX9FF110V	LX9FF220V	LX9FF240V	-	2840
LC1-F185 LC1-F225	LX9FG110V	LX9FG220V	LX9FG240V	-	3145
LC1-F265A LC1-F330A	LX9FH1102V	LX9FH2202V	LX9FH2402V	-	3550
LC1-F400A	LX9FJ925	LX9FJ931	LX9FJ932	LX9FJ936	9285

NOTE: The above Coil includes rectifier price. Standard Packing 1 No.

AC Coils for Contactors Rating 115~780A

Contactor	110V	220V	240V	415V	MRP (₹)
LC1-F115 LC1-F150	LX1FF-110V	LX1FF-220V	LX1FF-240V	LX1FF-415V	1880
LC1-F185 LC1-F200 LC1-F225	LX1FG-110V	LX1FG-220V	LX1FG-240V	LX1FG-415V	3045
LC1-F265A LC1-F300A LC1-F330A	LX1FH-1102V	LX1FH-2202V	LX1FH-2402V	LX1FH-4152V	3350
LC1-F400A	LX1FJ-110V	LX1FJ-220V	LX1FJ-240V	LX1FJ-415V	6090
LC1-F500A	LX1FK-110V	LX1FK-220V	LX1FK-240V	LX1FK-415V	11165
LC1-F630A	LX1FL-110V	LX1FL-220V	LX1FL-240V	LX1FL-415V	11925
LC1-F780A	LX1FX-110V	LX1FX-220V	LX1FX-240V	LX1FX-415V	24360

* AC Coils will be suitable for 50Hz only.

NOTE: The above Coil includes rectifier price. Std. Packing 1 Nos.

Mechanical Interlocks for Contactor 115~630A

Vertically / Horizontally Mounted

Contactor	Reference	MRP (₹)	Std. Pkg. (No's)
Vertically Mounted			
LC1-FDP115A LC1-FDP150A	LA9-FF4F	2230	1
LC1-FDP185A LC1-FDP200A LC1-FDP225A LC1-FDP265A LC1-FDP300A LC1-FDP330A	LA9-FG4G	2335	1
LC1-FDP300A LC1-FDP330A LC1-FDP400A LC1-FDP500A LC1-FDP500A/LC1-F630A LC1-FDP780A	LA9-FH4H	2790	1
LC1-FDP400A	LA9-FJ4J		
LC1-FDP500A	LA9-FK4K		
LC1-FDP500A/LC1-F630A	LA9-FL4L		
LC1-FDP780A	LA9-FX970	19285	1
Horizontally Mounted			
LC1-FDP115A LC1-FDP150A	LA9-FF970	1825	1
LC1-FDP185A LC1-FDP200A LC1-FDP225A LC1-FDP265A LC1-FDP300A LC1-FDP330A LC1-FDP400A LC1-FDP500A	LA9-FG970	2130	1
LC1-FDP300A LC1-FDP330A LC1-FDP400A LC1-FDP500A	LA9-FJ970	2335	1
LC1-FDP500A/LC1-F630A	LA9-FL970	2335	1

☒ Non Stockable item

DC Coils for Contactors Rating 115~780A

Contactor	110V	220V	24V	48V	MRP (₹)
LC1-F115 LC1-F150	LX4FF-110V	LX4FF-220V	LX4FF-24V	LX4FF-48V	5580
LC1-F185 LC1-F225	LX4FG-110V	LX4FG-220V	LX4FG-24V	LX4FG-48V	7865
LC1-F265A LC1-F330A	LX4FH-110V	LX4FH-220V	LX4FH-24V	LX4FH-48V	9640
LC1-F400A	LX4FJ-110V	LX4FJ-220V	Not Available	LX4FJ-48V	13600
LC1-F500A	LX4FK-110V	LX4FK-220V	Not Available	LX4FK-48V	13600
LC1-F630A	LX4FL-110V	LX4FL-220V	Not Available	LX4FL-48V	14715
LC1-F780A	-	-	-	-	30245

NOTE: The above Coil includes rectifier price. Std. Packing 1 Nos.

Top Housing for 3P/4P Contactors

For Control Relay Contactor	Reference		M.R.P. (₹)	Std. Pkg. (No's)
	AC	DC		
For 3 Pole				
TCA2-DN40, TCA3-DN40	TA5-DN40	TA5-DN40 DC	710	1
TCA2-DN31, TCA3-DN31	TA5-DN31	TA5-DN31 DC		
TCA2-DN22, TCA3-DN22	TA5-DN22	TA5-DN22 DC		
TC1-D0910, TP1-D0910	TA5-D0910	TA5-D0910 DC		
TC1-D0901, TP1-D0901	TA5-D0901	TA5-D0901 DC		
TC1-D1210, TP1-D1210	TA5-D1210	TA5-D1210 DC		
TC1-D1201, TP1-D1201	TA5-D1201	TA5-D1201 DC	810	1
TC1-D1810, TP1-D1810	TA5-D1810	TA5-D1810 DC		
TC1-D1801, TP1-D1801	TA5-D1801	TA5-D1801 DC	995	1
TC1-D2210, TP1-D2210	TA5-D2210	TA5-D2210 DC		
TC1-D2201, TP1-D2201	TA5-D2201	TA5-D2201 DC	1045	1
TC1-D2510, TP1-D2510	TA5-D2510	TA5-D2510 DC		
TC1-D2501, TP1-D2501	TA5-D2501	TA5-D2501 DC	2005	1
TC1-D3210, TP1-D3210	TA5-D3210	TA5-D3210 DC		
TC1-D3201, TP1-D3201	TA5-D3201	TA5-D3201 DC	2940	1
TC1-D3810, TP1-D3810	TA5-D3810	TA5-D3810 DC		
TC1-D3801, TP1-D3801	TA5-D3801	TA5-D3801 DC	3045	1
TC1-D4011, TP1-D4011	TA5-D4011	TA5-D4011 DC		
TC1-D5011, TP1-D5011	TA5-D5011	TA5-D5011 DC	3780	1
TC1-D6511, TP1-D6511	TA5-D6511	TA5-D6511 DC		
TC1-D8011, TP1-D8011	TA5-D8011	TA5-D8011 DC	6190	1
TC1-D9511	TA5-D9511	-		
For 4 Pole				
TC1-D09004, TP1-D09004	TA5-D09004	TA5-D09004DC	890	1
TC1-D09008, TP1-D09008	TA5-D09008	TA5-D09008DC	990	
TC1-D12004, TP1-D12004	TA5-D12004	TA5-D12004DC	1015	
TC1-D12008, TP1-D12008	TA5-D12008	TA5-D12008DC	1090	
TC1-D25004, TP1-D25004	TA5-D25004	TA5-D25004DC	1580	
TC1-D25008, TP1-D25008	TA5-D25008	TA5-D25008DC	1825	
TC1-D40004, TP1-D40004	TA5-D40004	TA5-D40004DC	3425	
TC1-D40008, TP1-D40008	TA5-D40008	TA5-D40008DC	4385	
TC1-D65004, TP1-D65004	TA5-D65004	TA5-D65004DC	5845	
TC1-D65008, TP1-D65008	TA5-D65008	TA5-D65008DC	6850	
TC1-D80004, TP1-D80004	TA5-D80004	TA5-D80004DC	6990	

Main Contact for 3P Contactors rating 115~780A

Arc Chamber 3P

Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
LC1-FDP115A	LA5-FF431 (F115)	6240	1
LC1-FDP150A	LA5-FF431 (F150)	6750	
LC1-FDP185A	LA5-FG431 (F185)	12940	
LC1-FDP200A	LA5-FG431 (F200)	15225	
LC1-FDP225A	LA5-FG431 (F225)	17050	
LC1-FDP265A	LA5-FH431 (F265)	18170	
LC1-FDP300A	LA5-FH431 (F300)	18980	
LC1-FDP330A	LA5-F400803 (F330)	20400	
LC1-FDP400A	LA5-F400803 (F400)	23190	
LC1-FDP500A	LA5-F500803 (F500)	29535	
LC1-FDP630A	LA5-F630803 (F630)	46690	
LC1-F780A	LA5F780801(F7804)*	26390	

Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
LC1-FDP115A	LA5-F11550	2030	1
LC1-FDP150A	LA5-F15050	2030	
LC1-FDP185A	LA5-F18550	2180	
LC1-FDP200A	LA5-F20050	2205	
LC1-FDP225A	LA5-F22550	2230	
LC1-FDP265A	LA5-F26550	2435	
LC1-FDP300A	LA5-F30050	2590	
LC1-FDP330A	LA5-F33050	3300	
LC1-FDP400A	LA5-F40050	3550	
LC1-FDP500A	LA5-F50050	3855	
LC1-FDP630A	LA5-F63050	9230	
LC1-FDP780A	LA5-F780150*	6750	

Main Contact Sets for 4P Power Contactors # rating 115~780A

Arc Chamber 4P

Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
LC1-FDP1154A	LA5-FF441 (F1154)	7710	1
LC1-FDP1504A	LA5-FF441 (F1504)	10645	
LC1-FDP1854A	LA5FG441(F1854)	18775	
LC1-FDP2254A	LA5FG441(F2254)	19540	
LC1-FDP2654A	LA5-FH431 (F2654)	20910	
LC1-FDP3304A	LA5-F400803 (F3304)	25350	
LC1-FDP4004A	LA5-F400803 (F4004)	28900	
LC1-FDP5004A	LA5-F500804 (F5004)	44660	
LC1-FDP6304A	LA5-F630804 (F6304)	56940	
LC1-FDP7804A	LA5-F780801 (F780)**	25580	

Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
LC1-FDP1154A	LA5-FF441 (F1154)	7400	1
LC1-FDP115A	LA5-F115450	2080	
LC1-FDP150A	LA5-F150450	2160	
LC1-FDP185A	LA5-F185450	2995	
LC1-FDP225A	LA5-F225450	3105	
LC1-FDP265A	LA5-F265450	3695	
LC1-FDP330A	LA5-F330450	3905	
LC1-FDP400A	LA5-F400450	4865	
LC1-FDP500A	LA5-F500450	5605	
LC1-FDP630A	LA5-F630450	14235	
LC1-FDP780A	LA5-F780150*	6790	

Main Contacts set per pole includes (2 Fixed Contacts & Moving Contact, 2 Deflectors, 1 Backplate, Fixing Screws and Washers).

* Main Contacts are for one pole only. (Set of two) Order 3 Nos for 3 pole Contactors & 4 Nos for 4 pole Contactors.

**Set of Main Contacts provided is 1 set of 2 blocks for one pole.

Main Contacts set per pole includes (2 Fixed Contacts & Moving Contact, 2 Deflectors, 1 Backplate, Fixing Screws and Washers).

* Main Contacts are for one pole only. (Set of two) Order 3 Nos for 3 pole Contactors & 4 Nos for 4 pole Contactors.

**Set of Main Contacts provided is 1 set of 2 blocks for one pole.

Electronic Timer



Description	Reference	MRP (₹)	Std. Pkg. (Nos.)
Star Delta Timer , Range 0 ~ 30 Sec, 250~440V AC	TCET030SD415VAC	1160	1



D Range Contactors & Overload Relays

Control Relays 10 Amps

Contact Arrangement	A.C. Reference	MRP (₹)	Std. Pkg. (No's)
2 NO + 2 NC	CA2-DN1229 ■ A60	820	1
3 NO + 1 NC	CA2-DN1319 ■ A60		
4 NO	CA2-DN140 ■ A60		

■ Please specify Coil Voltage.

Power Contactors

3 Pole, AC

AC1 Duty A	AC3 415V Long Life kW HP A	Auxiliary Contacts	Reference	MRP (₹)	Std. Pkg. (No's)
25	4 5.5 9	1NO - 1NC	LC1-D093 ■ A60 LC1-D099 ■ A60	720	1
25	5.5 7.5 12	1NO - 1NC	LC1-D123 ■ A60 LC1-D129 ■ A60	800	1
32	9 12.5 16	1NO - 1NC	LC1-D173 ■ A60 LC1-D179 ■ A60	930	1
40	11 15 25	1NO - 1NC	LC1-D253 ■ A60 LC1-D259 ■ A60	1270	1
50	15 20 32	1NO - 1NC	LC1-D323 ■ A60 LC1-D329 ■ A60	2690	1
60	22 30 40	1NO 1NC	LC1-D403 ■ A60	3950	1
80	25 35 50	1NO 1NC	LC1-D503 ■ A60	5105	1
80	37 50 63	1NO 1NC	LC1-D633 ■ A60	6940	1
125	45 60 80	1NO 1NC	LC1-D803 ■ A60	8680	1

AC Coil Voltage Codes for D Range Contactors (Standard)

Contactor	Voltage					
	24	48	110*	220*	240*	415*
LC1-D	B	E	F	M	U	N

* Wide band Coils

AC Coil Voltage Codes for D Range Contactors (Non - Standard)

Contactor	Voltage		
	42	360	380
LC1-D	D	UW	Q

For non- standard Coil Voltage, please add ₹ 100/- in the list price.

Definite Purpose Contactor

FLA	Resistive AMP Rating	Product Reference	MRP (₹)	Std.Pkg. (No's)
Single Pole (Without Shunt)				
2 5	3 0	TCDP251 *	405	1
3 0	4 0	TCDP301 *	455	
4 0	5 0	TCDP401 *	480	
Single Pole (With Shunt)				
2 5	3 0	TCDP251S*	455	1
3 0	4 0	TCDP301S*	505	
4 0	5 0	TCDP401S*	530	
Two Pole				
2 0	3 0	TCDP202 *	505	1
3 0	4 0	TCDP302 *	530	
4 0	5 0	TCDP402 *	605	
2 0	3 0	TCDP203 *	710	

Thermal Overload Relays Type LR1 Direct Mounting

GLOBAL CERTIFICATION



Relay Setting Range A	Std. Power Rating for 3 Ph. Motor at 415V HP kW		Reference	MRP (₹)	Independent Mounting Kit	Std. Pkg (No's)
0.10 - 0.16	*	*	LR1-D09301	1055	Reference LA7-D0964 MRP ₹ 170	1
0.16 - 0.25	*	*	LR1-D09302			
0.25 - 0.40	*	*	LR1-D09303			
0.40 - 0.63	*	*	LR1-D09304			
0.63 - 1.00	0.50	0.37	LR1-D09305			
1.00 - 1.60	0.75	0.55	LR1-D09306			
1.60 - 2.50	1.50	1.10	LR1-D09307			
2.50 - 4.00	2.00	1.50	LR1-D09308			
4.00 - 6.00	3.00	2.20	LR1-D09310			
5.50 - 8.00	5.00	3.70	LR1-D09312			
7.00 - 10.0	5.50	4.00	LR1-D09314	1205	Reference LA7-D3264 MRP ₹ 255	1
10.0 - 13.0	7.50	5.50	LR1-D12316			
13.0 - 18.0	12.00	9.00	LR1-D16321			
18.0 - 25.0	15.00	11.00	LR1-D25322			
23.0 - 32.0	20.00	15.00	LR1-D32353	1620	Reference LA7-D4064 MRP ₹ 365	1
28.0 - 40.0	20.00	15.00	LR1-D32355			
23.0 - 32.0	20.00	15.00	LR1-D40353	2030		
30.0 - 40.0	30.00	22.00	LR1-D40355			
38.0 - 50.0	35.00	25.00	LR1-D63357	2230		
48.0 - 57.0	40.00	30.00	LR1-D63359	3165		
57.0 - 66.0	50.00	37.00	LR1-D63361	3195		

* There is no standard power rating for these motors. Select the overload relay in relation to the full load current.

Thermal Overload Relays Type LR1 Independent Mounting

Relay Setting Range A	Std. Power Rating for 3 Ph. Motor at 415V HP kW		Reference	MRP (₹)	Std. Pkg. (No's)
66.0 to 80.0	60	45	LR1-D80363	3215	1



AC Coil Voltage Codes for Definite Purpose Contactors

Voltage	24VAC	110VAC	240VAC
50Hz	B 5	G 5	U 5
60Hz	B 6	G 6	U 6

ACCESSORIES for D Range Contactors

Add-on-Blocks For D Range Contactors

Contact Configuration			Reference	MRP (₹)	Std. Pkg. (No's)
Additional Instantaneous Aux.Contact Blocks	Front Mounted	2 NO	LA1-D20	215	20
		1 NO+1 NC	LA1-D11		
		2 NC	LA1-D02		
		4 NO	LA1-D40	325	20
		3 NO+1 NC	LA1-D31		
		2 NO+2 NC	LA1-D22 *		
		1 NO+3 NC	LA1-D13		
		4 NC	LA1-D04		
Overlapping Aux. Contacts	Front Mounted	2 NO+2 NC	LA1-D1111#	570	10

* This Auxiliary Contact can be used with Contactors.

Consisting of 1 NO+1 NC make before break contacts.

D Range Mechanical Interlocks Horizontally Mounted

Use for Contactor AC	Reference	MRP (₹)	Std. Pkg. (No's)
LC1-D09 LC1-D12 LC1-D17 LC1-D25 LC1-D32	LA9-D09978	325	10
LC1-D40 LC1-D50 LC1-D63	LA9-D50978	670	10
LC1-D80	LA9-D80978	880	10

Coil Suppressor

Description	Reference	MRP (₹)	Std. Pkg. (No's)
For mounting across coil of contactor upto 80Amp, with RC network suitable for < 250VAC & < 400V AC	LA9-D09980	405	10

Mechanical Latching Blocks

Description For Contractors / Control Relays Type	Reference	MRP (₹)	Std. Pkg. (No's)
CA2-DN1 LC1-D09, LC1-D12 LC1-D17, LC1-D25, LC1-D32	LA6-DK01 ■	1570	10

■ Replace by voltage code AC

■ Not suitable for DC control relay & DC Contactor

AC Coil Voltage Codes (Standard)

For Mechanical Latching Block	Voltage						
	24	48	110	220	240	380	415/440
LA6-DK01	B	E	F	M	U	Q	N

DC Coil Voltage Codes (Standard)

For Mechanical Latching Block	Voltage				
	24	48	72	110	220
LA6-DK01	B	E	EN	F	M

SPARES

AC Coil Voltage Codes for D Range Contactors AC (Standard)

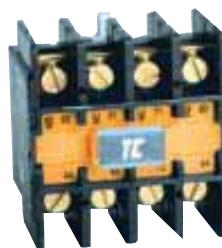
Use for Contactor AC (Standard)	Reference	MRP (₹)	Std. Pkg. (No's)
CA2-DN1 LC1-D09 LC1-D12 LC1-D17	LX1-D09 ■	415	15
LC1-D25 LC1-D32	LX1-D25 ■	495	10
LC1-D40 LC1-D50** LC1-D63 LC1-D80**	LX1-D40 ■	960	1

■ Please specify Coil Voltage by indicating the Coil Voltage required.

** Spare Moulded Base for these Coils has Product code LA7-D40 and unit price is ₹ 135

Top Housing 3P

For Control Relay/ Contactor AC	Reference	MRP (₹)	Std. Pkg. (No's)
CA2-DN140	LA5-DN140	695	1
CA2-DN1319	LA5-DN1319		
CA2-DN1229	LA5-DN1229		
LC1-D093	LA5-D093		
LC1-D099	LA5-D099		
LC1-D123	LA5-D123	770	1
LC1-D129	LA5-D129		
LC1-D173	LA5-D173	835	1
LC1-D179	LA5-D179		
LC1-D253	LA5-D253	1095	1
LC1-D259	LA5-D259		
LC1-D323	LA5-D323	2210	1
LC1-D329	LA5-D329		
LC1-D403	LA5-D403	3400	1
LC1-D503	LA5-D503	4160	
LC1-D633	LA5-D633	5380	
LC1-D803	LA5-D803	7000	



Add-on Starting Switch

Description	Reference	MRP (₹)	Std. Pkg. (No's)
N.O starting Switch suitable for direct mounting on Control Relays & Contactors	LA9-D09906	120	10

Contactor - 4 Pole, AC



AC3,415V			Main Poles Configuration	Reference	MRP (₹)	Std. Pkg. (No's)
kW	HP	A				
7.5	10	20	4NO	TC1DX204 ■	1320	5
11	15	25	4NO	TC1DX254 ■	1725	
22	30	40	4NO	TC1DX404 ■	3250	

AC Coil Voltage Codes (Standard) for 4 Pole Contactors

Contactor 4P		Voltage	
	220	380	415
TC1-DX204/254	M	Q	N

Wide band Coils

■ Please specify Coil Voltage.

ACCESSORIES - Coil Voltage Codes for 4 Pole Contactors

Reference	Coil Voltage	MRP (₹)	Std. Pkg. (No's)
TX1D20 ■	220/380/415	230	1

Contact Kit for 4 Pole Contactor

Reference	Description	MRP (₹)	Std. Pkg. (No's)
TA5DX204	20A Contact Kit, 4-Pole	610	1
TA5DX254	25A Contact Kit, 4-Pole	990	
TA5DX404	40A Contact Kit, 4-Pole	1520	

Add-on-Blocks for 4 Pole Contactors

Description	Contact Configuration	Reference	MRP (₹)	Std. Pkg. (No's)
Front mounted Aux. contact Block	NO+1 NC	TA1-DN11A	150	20

Mechanical Interlock for 4 Pole Contactors

Description	Reference	MRP (₹)	Std. Pkg. (No's)
Horizontal Mounted	LA9-D09978	325	10
Mechanical Interlock	ELA9-D09978	375	

Thermal Overload Relays 3 Pole type LR3DM-Direct Mounting

Relay Setting Range (Amp)	Reference	MRP (₹)	Std. Pkg. (No's)
1.60~2.50	LR3DM09307	950	1
2.50~4.00	LR3DM09308	950	
4.00~6.00	LR3DM09310	950	
5.50~8.00	LR3DM09312	950	
7.00~10.0	LR3DM09314	950	
9.0~14.0	LR3DM12316X	1045	
13.0~18.0	LR3DM16321	1070	
14.0~22.0	LR3DM16321X	1070	
18.0~25.0	LR3DM25322	1070	

Contactor - 2 Pole AC



AC1 Duty	AC3 220V AC			Reference	MRP (₹)	Std. Pkg. (No's)
	KW	HP	A			
32	3.8	5	20	AC2-D202 ■	730	2
40	4.8	6	25	AC2-D252 ■	990	
40	4.8	6	40	AC2-D452 ■	1320	

AC Coil Voltage Codes (Standard) for 2 Pole Contactors

Contactor 2P		Voltage	
	220*	220/240*	380 / 415*
AC2-D2/D3/D4	M5W	MU	QN

* Wide band Coils

■ Please specify Coil Voltage.

ACCESSORIES - Coil Voltage Codes for 2 Pole Contactors

Reference	Coil Voltage	MRP (₹)	Std. Pkg. (No's)
AX1D2 MU	220/240V, 50Hz	220	5
AX1D2 M	220V, 50Hz	220	
AX1D2 QN	380/415V, 50Hz	220	

Contact Kit for 2 Pole Contactor

Reference	Description	MRP (₹)	Std. Pkg. (No's)
AC5D202	20A Contact Kit, 2-Pole	305	1
AC5D252	25A Contact Kit, 2-Pole	610	
AC5D452	40A Contact Kit, 2-Pole	810	

Add-on-Blocks for 2 Pole Contactors

Description	Contact Configuration	Reference	MRP (₹)	Std. Pkg. (No's)
Front mounted Aux. contact Block	2 NO 1 NO+1 NC 2 NC	LA1-D20A LA1-D11A LA1-D02A	150	20

Thermal Overload Relays 2 Pole type LR7D - Direct Mounting

Relay Setting Range (Amp)	Reference	MRP (₹)	Std. Pkg. (No's)
1.60~2.50	LR7-D09207	535	1
2.50~4.00	LR7-D09208	535	
4.00~6.00	LR7-D09210	535	
5.50~8.00	LR7-D09212	535	
7.00~10.0	LR7-D09214	535	
10.0~13.0	LR7-D12216	535	
9.0~14.0	LR7-D12216X	535	
13.0~18.0	LR7-D16221	630	
18.0~25.0	LR7-D25222	630	

Anmol Motor Starters for Agri Segment

Single Phase DOL Starter in S.S. Enclosure with 2P Contactor & 2P OLR type LR7D

Std. Power Rating for Single Phase Motor at 220V AC		Relay Range (Amp)	Complete Unit Reference	MRP (₹)	Std. Pkg. (No's)
KW	HP				
0.37	0.50	4.0~6.0	BE1-ASA2025MU210	1015	6
0.55	0.75	5.5~8.0	BE1-ASA2025MU212		
0.75	1.00	7.0~10.0	BE1-ASA2025MU214		
1.1	1.50	9.0~14.0	BE1-ASA2025MU216X		
1.5	2.00	13.0~18.0	BE1-ASA2525MU221	1215	6
2.2	3.00	18.0~25.0	BE1-ASA2525MU222		



Submersible Pump Control Unit

Single Phase SPCU - Standard Model in S.S. Enclosure incorporating

2P Contactor, 2P OLR, Supressed scale Voltmeter & Ammeter with provision of terminal for dryrun relay

Std. Power Rating for Single Phase Motor at 220V AC		Relay Range (Amp)	Capacitor Rating (MFD)		Standard Model (with Ammeter) Reference	MRP (₹)	Std. Pkg. (No's)
KW	HP		Run	Start			
0.37	0.50	4.0~6.0	25	80/100	BE1-SSA2025MU210	2790	18
0.55	0.75	5.5~8.0	36	80/100	BE1-SSA2025MU212		
0.75	1.00	7.0~10.0	36	100/120	BE1-SSA2025MU214	2890	
		9.0~14.0	36	100/120	BE1-SSA2025MU216X		
1.1	1.50	9.0~14.0	50	120/150	BE1-SSA2025MU216XH	3045	
1.50	2.00	14.0~22.0	36+36	150/200	BE1-SSA2525MU221X	3350	
		18.0~25.0	50+50	150/200	BE1-SSA2525MU222M		
2.20	3.00	18.0~25.0	50+50	200/250	BE1-SSA2525MU222H	3950	



Single Phase SPCU - Deluxe Model in S.S. Enclosure incorporating

2P Contactor, 2P OLR, Supressed scale Voltmeter & Ammeter with provision of terminal for dryrun relay

Std. Power Rating for Single Phase Motor at 220V AC		Relay Range (Amp)	Capacitor Rating (MFD)		Deluxe Model (with Ammeter) Reference	MRP (₹)	Std. Pkg. (No's)
KW	HP		Run	Start			
0.37	0.50	4.0~6.0	25	80/100	BE1-SDA2025MU210	3020	18
0.55	0.75	5.5~8.0	36	80/100	BE1-SDA2025MU212		
0.75	1.00	7.0~10.0	36	100/120	BE1-SDA2025MU214	3045	
		7.0~10.0	50	100/120	BE1-SDA2025MU214H		
		9.0~14.0	36	100/120	BE1-SDA2025MU216X		
		9.0~14.0	50	100/120	BE1-SDA2025MU216XM	3225	
1.10	1.50	9.0~14.0	50	120/150	BE1-SDA2025MU216XH		
		18.0~25.0	50+50	120/150	BE1-SDA2525MU222		
1.50	2.00	14.0~22.0	36+36	150/200	BE1-SDA2525MU221X		
		18.0~25.0	50+50	150/200	BE1-SDA2525MU222M		
2.20	3.00	18.0~25.0	50+50	200/250	BE1-SDA2525MU222H	4160	
3.70	5.00	23.0~32.0	50+50+50	200/250	BE1-SDA4025MU253	6165	6



Single Phase SPCU suitable for wide band operating range 160V~260V 50Hz AC

Anmol Motor Starters

DOL Starter in S.S Enclosure incorporating

With robust 4 Pole Contactor type TC1-DX with wide band NO Volt Coil, Overload relay type LR3DM with manual re-set and yellow flag for trip indication

Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
BE1-DXM204 ■ 307	1.6-2.5	1655	12
BE1-DXM204 ■ 308	2.5-4.0	1655	
BE1-DXM204 ■ 310	4.0-6.0	1655	
BE1-DXM204 ■ 312	5.5-8.0	1655	
BE1-DXM204 ■ 314	7.0-10	1655	
BE1-DXM204 ■ 316X	9.0-14	1655	
BE1-DXM204 ■ 321	13-18	1765	
BE1-DXM254 ■ 321X	14-22	1880	
BE1-DXM254 ■ 322	18-25	1880	
BE1-DXM404 ■ 353	23-32	3450	



DOL Starter Open Execution

Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
BN1-DXM204 ■ 307	1.6-2.5	1595	12
BN1-DXM204 ■ 308	2.5-4.0	1595	
BN1-DXM204 ■ 310	4.0-6.0	1595	
BN1-DXM204 ■ 312	5.5-8.0	1595	
BN1-DXM204 ■ 314	7.0-10	1595	
BN1-DXM204 ■ 316X	9.0-14	1595	
BN1-DXM204 ■ 321	13-18	1705	
BN1-DXM254 ■ 321X	14-22	1820	
BN1-DXM254 ■ 322	18-25	1820	

Auto DOL Starter in S.S Enclosure incorporating

Electronic Auto Switch for protection against Single Phase, phase reversal & imbalance

Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
BE1-DXS204 ■ 307	1.6-2.5	2310	12
BE1-DXS204 ■ 308	2.5-4.0	2310	
BE1-DXS204 ■ 310	4.0-6.0	2310	
BE1-DXS204 ■ 312	5.5-8.0	2310	
BE1-DXS204 ■ 314	7.0-10	2310	
BE1-DXS204 ■ 316X	9.0-14	2310	
BE1-DXS204 ■ 321	13-18	2435	
BE1-DXS254 ■ 321X	14-22	2570	
BE1-DXS254 ■ 322	18-25	2570	



Prices are for standard Coil Voltages.

■ Please specify Coil Voltage.

How to order Star Delta Starter:

- Complete the code by replacing the blue square (■) by the letter(s) corresponding to the Coil Voltage selected.
- Star Delta starters should be **selected based on the FLC** of the Pump/Motor phase current (**Motor FLC X 0.58**) & Coil Voltage required.

Anmol Motor Starters

Automatic Star Delta Starter in S.S Enclosure incorporating

Robust 4 Pole Contactor type TC1-DX, Overload relay type LR3DM & Electronic Star Delta Timer

Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
HP	kW				
4.0	3.0	BE3-DXM204 ■ 308	2.5-4.0	6075	4
5.5	4.0	BE3-DXM204 ■ 310	4.0-6.0		
7.5	5.5	BE3-DXM204 ■ 312	5.5-8.0		
15.0	11.0	BE3-DXM204 ■ 314	7.0-10		
15.0	11.0	BE3-DXM204 ■ 316X	9.0-14	6400	4
20.0	15.0	BE3-DXM204 ■ 321	13.0-18		
25.0	18.0	BE3-DXM254 ■ 321X	14.0-22	7900	4
		BE3-DXM254 ■ 322	18.0-25		
		BE3-DXM254 ■ 353	23.0-32		



Semi-Automatic Star Delta Starter in S.S Enclosure

Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
HP	kW				
15.0	11.0	BE3-DXM204Q316XSA	9.0~14	5200	2
20.0	15.0	BE3-DXM204Q321SA	13.0~18		
25.0	18.0	BE3-DXM254Q321XSA	14.0~22	7700	2
25.0	18.0	BE3-DXM254Q322SA	18.0~25		
25.0	18.0	BE3-DXM254Q353SA	23.0~32	8000	



Anmol Submersible Pump Control Unit

SPCU DOL - Standard Model incorporating

Robust 4 Pole Contactor type TC1-DX, Overload relay type LR3DM, Auto Start Switch, Auto/Manual DIP switch, Voltmeter with DIP Switch for reading line phase voltage & Supressed scale Ammeter

Reference	Relay Range Amps	MRP (₹)	Std.Pkg. (No's)
BE1-SSDX204 ■ 308	2.5-4.0	4850	12
BE1-SSDX204 ■ 310	4.0-6.0		
BE1-SSDX204 ■ 312	5.5-8.0		
BE1-SSDX204 ■ 314	7.0-10		
BE1-SSDX204 ■ 316X	9.0-14	5030	12
BE1-SSDX204 ■ 321	13-18		
BE1-SSDX254 ■ 321X	14-22		
BE1-SSDX254 ■ 322	18-25	5280	



SPCU DOL - Deluxe Model incorporating

Robust 4 Pole Contactor type TC1-DX, Overload relay type LR3DM, Auto Start Switch with Auto/Manual Start DIP Switch, Voltmeter with 3P Selector switch, Ammeter, TP MCB for SC protection

Reference	Relay Range Amps	MRP (₹)	Std.Pkg. (No's)
BE1-SDDX204 ■ 308	2.5-4.0	6850	8
BE1-SDDX204 ■ 310	4.0-6.0		
BE1-SDDX204 ■ 312	5.5-8.0		
BE1-SDDX204 ■ 314	7.0-10		
BE1-SDDX204 ■ 316X	9.0-14	7140	8
BE1-SDDX204 ■ 321	13-18		
BE1-SDDX254 ■ 321X	14-22	7540	8
BE1-SDDX254 ■ 322	18-25		



Anmol Motor Starters

SPCU Automatic Star Delta - Standard Model incorporating

Robust 4 Pole Contactor type TC1-DX, Overload relay type LR3DM, Auto Start Switch with Auto/Manual Start DIP switch, Voltmeter with DIP switch for reading phase voltage & Ammeter

Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
BE3-SSDX204 ■ 308	2.5-4.0	9700	6
BE3-SSDX204 ■ 310	4.0-6.0	9700	
BE3-SSDX204 ■ 312	5.5-8.0	9700	
BE3-SSDX204 ■ 314	7.0-10	9700	
BE3-SSDX204 ■ 316X	9.0-14	9700	
BE3-SSDX204 ■ 321	13-18	9850	
BE3-SSDX254 ■ 321X	14-22	10000	
BE3-SSDX254 ■ 322	18-25	10000	
BE3-SSDX254 ■ 353	23-32	10200	
BE3-SSDX404 ■ 355	28-40	12600	
BE3-SSDX404 ■ 357	38-50	18300	
BE3-SSD6335NW359*	48-57	26900	

*Wide band Coil NW has operating range 250~440V AC.



SPCU Automatic Star Delta - Deluxe Model incorporating

Robust 4 Pole Contactor type TC1-DX, Overload relay type LR3DM, Auto Start Switch with Auto/Manual Start DIP Switch, Voltmeter with 3P Selector Switch & TP MCB for SC protection

Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
BE3-SDDX204 ■ 308	2.5-4.0	11450	6
BE3-SDDX204 ■ 310	4.0-6.0	11450	
BE3-SDDX204 ■ 312	5.5-8.0	11450	
BE3-SDDX204 ■ 314	7.0-10	11450	
BE3-SDDX204 ■ 316X	9.0-14	11450	
BE3-SDDX204 ■ 321	13-18	12000	
BE3-SDDX254 ■ 321X	14-22	12000	
BE3-SDDX254 ■ 322	18-25	12300	
BE3-SDDX254 ■ 353	23-32	12700	



Thermal Overload Relays 3 Pole type LR3DM-Direct Mounting

Relay Setting Range (Amp)	Reference	MRP (₹)	Std. Pkg. (No's)
1.60~2.50	LR3DM09307	950	1
2.50~4.00	LR3DM09308	950	
4.00~6.00	LR3DM09310	950	
5.50~8.00	LR3DM09312	950	
7.00~10.0	LR3DM09314	950	
9.0~14.0	LR3DM12316X	1045	
13.0~18.0	LR3DM16321	1070	
14.0~22.0	LR3DM16321X	1070	
18.0~25.0	LR3DM25322	1070	

Thermal Overload Relays 2 Pole type LR7D - Direct Mounting

Relay Setting Range (Amp)	Reference	MRP (₹)	Std. Pkg. (No's)
1.60~2.50	LR7-D09207	535	1
2.50~4.00	LR7-D09208	535	
4.00~6.00	LR7-D09210	535	
5.50~8.00	LR7-D09212	535	
7.00~10.0	LR7-D09214	535	
10.0~13.0	LR7-D12216	535	
13.0~18.0	LR7-D16221	630	
18.0~25.0	LR7-D25222	630	

Coil Voltage Codes (Standard) for SPCU/DOL/Auto DOL Starter

Coil Voltage (AC) 50Hz	Voltage	
	380# (230~430)	415# (260~450)
Coil Code**	Q	N

** Anmol Starters portfolio available in the above standard coil voltage only.

Wide operating band encapsulated coils with its operating range.

How to order Starter

- Complete the code by replacing the black square (■) by the letter(s) corresponding to the Coil Voltage selected.
- Starters / SPCU selection should be based on the FLC of Pump/Motor & Coil Voltage required as per installation.
- Anmol Starters should be ordered in standard packing for each model.

Anmol Motor Starter Spares

Description	Ordering Code	MRP (₹)	Std. Pakg. (No's.)
4 Pole Contactor rating 20A	TC1DX204■	1320	1
4 Pole Contactor rating 25A	TC1DX254■	1725	1
4 Pole Contactor rating 40A	TC1DX404■	3250	1
2 Pole Contactor rating 20A	AC2-D202■	730	1
2 Pole Contactor rating 25A	AC2-D252■	990	1
2 Pole Contactor rating 40A	AC2-D452■	1320	1
2P Contactor NO Volt Coil 220/240V	AX1-D2 MU	220	1
4P Contactor NO Volt Coil 380V	TX-1D20 Q	230	1
TP MCB, 63A 10kA 'C'curve	CSMB3C63N	1632	1
Pneumatic SD Timer (1-30 Sec)	TA2-DS2	1440	1
Electronic SD Timer (1-30 Sec)	TCET030SD415VAC	1160	1
Start Contact - Snap fit	SC09-25A	110	10
Start NO Block	LA9-D09906	120	10
ON Indicating Lamp (Green)	RCB7IVL74-415V	110	10
TRIP Indicating Lamp (Red)	RCB7IVL73-415V	110	10
R Phase LED indicating Lamp	RCB7IVL74-240V	110	10
Y Phase LED indicating Lamp	RCB7IVL78-240V	110	10
B Phase LED indicating Lamp	RCB7IVL76-240V	110	10
Terminal Block, 2 way, 15A	TB2W15A	60	10
Terminal Block, 3 way, 60A	TB3W60A	200	10
Terminal Block, 6 way, 60A	TB6W60A	200	10
Contactor Extension Block for SDS	EXT01	140	10
Relay Extension Block for SDS	EXT02	140	10
Stop Push button (Red)	PBTL	110	10
Connector Assy.for Autoswitch (BE1-DXS)	CASPP	80	10
Auto Switch	AS1045	110	1
Voltage Selector Switch	SPVSS10	160	1
Auto/Manual Switch (for SPCU)	RSAM16	185	10
Auto/Manual Switch (for BE1-DXS)	RSAM06	130	10
SPP / BYPASS Switch	RSSB	130	10
Voltmeter ON/OFF Switch	RSVM	160	10
Ammeter (0-20...120A)	AM20A	375	1
Ammeter (0-50...300A)	AM50A	375	1
Ammeter (0-75/5A)	AM755	430	1
Ammeter (0-100/5A)	AM1005	430	1
Voltmeter (0-500V)	VM500	400	1
Front mounted Aux. Contact block 2 NO for 2P Contactor	LA1-D20A	150	1
Start NO Block	LA9-D09906M	120	10
Ammeter (0-10...60A)	AM10A	375	1
Ammeter (0-15...90A)	AM15A	375	1
Ammeter (0-25...150A)	AM25A	375	1
Voltmeter (0-300V)	VM300	400	1
Terminal Block, 3 way, 30A	TB3W30A	180	10
Single Phase Preventor	TCAS045M	POR	1



Industrial Motor starter - Type TC1DX



DOL Starter Type TC1DX-P with 4 Pole Contactor in S.S. enclosure

Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay LR1DM Range Amps	MRP (₹)	Std. Pkg. (No's)
HP	kW				
1.50	1.10	BE1-DXP204■ 307	1.6~2.5	1740	4
2.00	1.50	BE1-DXP204■ 308	2.5~4.0		
3.00	2.20	BE1-DXP204■ 310	4.0~6.0		
5.00	3.70	BE1-DXP204■ 312	5.5~8.0		
5.50	4.00	BE1-DXP204■ 314	7.0~10		
7.50	5.50	BE1-DXP204■ 316/316X	10~13/9~14	1875	
12.00	9.00	BE1-DXP204■ 321/321X	13~18/14~22		
12.00	9.00	BE1-DXP254■ 321H	13~18	1955	
15.00	11.00	BE1-DXP254■ 322	18~25	1955	
25.00	18.00	BE1-DXP404■ 353	23~32	3600	



Automatic Star Delta Starter TC1DX-P with 4 Pole contactor & Electronic Star Delta Timer in S.S. enclosure

Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay LR1DM Range Amps	MRP (₹)	Std. Pkg. (No's)
HP	kW				
7.5	5.5	BE3-DXP204 ■ 312	5.5~8.0	6850	2
12.0	9.0	BE3-DXP204 ■ 314	7.0~10		
15.0	11.0	BE3-DXP204 ■ 316/316X	10~13/9~14		
20.0	15.0	BE3-DXP204 ■ 321/321X	13~18/14~22	7100	
20.0	15.0	BE3-DXP254 ■ 321H	13~18	8150	
25.0	18.0	BE3-DXP254 ■ 322	18~25	8150	



DOL Starter Type TC1DX-P with 4Pole Contactor in Open Execution

Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay LR1DM Range Amps	MRP (₹)	Std. Pkg. (No's)
HP	kW				
1.50	1.10	BN1-DXP204 ■ 307	1.6~2.5	1680	2
2.00	1.50	BN1-DXP204 ■ 308	2.5~4.0		
3.00	2.20	BN1-DXP204 ■ 310	4.0~6.0		
5.00	3.70	BN1-DXP204 ■ 312	5.5~8.0		
5.50	4.00	BN1-DXP204 ■ 314	7.0~10		
7.50	5.50	BN1-DXP204 ■ 316/316X	10~13/9~14	1790	
12.00	9.00	BN1-DXP204 ■ 321/321X	13~18/14~22		
12.00	9.00	BN1-DXP254 ■ 321H	13~18	1895	
15.00	11.00	BN1-DXP254 ■ 322	18~25	1895	

3 P Overload Relay Type LR1DM

Relay Setting Range A	Reference	MRP (₹)	Std.Pkg. (No's)
1.6~2.50	LR1-DM09307	950	1
2.5~4.0	LR1-DM09308		
4.00~6.00	LR1-DM09310		
5.50~8.00	LR1-DM09312		
7.00~10.0	LR1-DM09314		
9.0~14.0	LR1-DM12316X	1045	
10.0~13.0	LR1-DM12316	1070	
13.0~18.0	LR1-DM16321	1070	
18.0~25.0	LR1-DM25322	1070	



How to order Industrial Starter:

- Complete the code by replacing the blue square (■) by the letter(s) corresponding to the Coil Voltage selected.
- Industrial DOL Starters should be selected based on the FLC of Pump/Motor & Coil Voltage required.

How to order Star Delta Starter :

- Complete the code by replacing the blue square (■) by the letter(s) corresponding to the Coil Voltage selected.
- Star Delta starters should be selected based on the FLC of the Pump/Motor phase current (Motor FLC X 0.58) & Coil Voltage required.

AC Coil Voltage Codes (Standard) for Industrial Starter

Industrial Starter	Voltage		
BE1DX (P or A)	220#	380#	415#
BE3DX (P or A)	-	380#	415#
	M	Q	N

Industrial Starters are available in the above Standard coil voltages with wide band operating range

Motor Starters for Industrial Segment

Conforming IS13947-4

DOL Starter with D range Contactor in S.S. Enclosure

Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range (Amps)		MRP (Rs.)	Std. Pkg. (No's)
HP	KW		HP	KW		
0.50	0.37	BE1-D1735■ 305	0.63 to 1.00		1570	1
0.75	0.55	BE1-D1735■ 306	1.00 to 1.60			
1.50	1.10	BE1-D1735■ 307	1.60 to 2.50			
2.00	1.50	BE1-D1735■ 308	2.50 to 4.00			
3.00	2.20	BE1-D1735■ 310	4.00 to 6.00			
5.00	3.70	BE1-D1735■ 312	5.50 to 8.00			
5.50	4.00	BE1-D1735■ 314	7.00 to 10.0			
7.50	5.50	BE1-D1735■ 316	10.0 to 13.0			
12.0	9.0	BE1-D2535■ 321	13.0 to 18.0		3650	
15.0	11.0	BE1-D2535■ 322	18.0 to 25.0		3650	
20.0	15.0	BE1-D3235■ 353	23.0 to 32.0		6700	
30.0	22.0	BE1-D4035■ 355	28.0 to 40.0		9740	
35.0	25.0	BE1-D5035■ 357	38.0 to 50.0		10150	
40.0	30.0	BE1-D6535■ 359	48.0 to 70.0		10960	

Reversing Starter with D range Contactor in S.S. Enclosure

Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range Amps	MRP (Rs.)	Std. Pkg. (No's)
HP	KW				
0.50	0.37	BE2-D1735■ 305	0.63 to 1.00	6445	1
0.75	0.55	BE2-D1735■ 306	1.00 to 1.60		
1.50	1.10	BE2-D1735■ 307	1.60 to 2.50		
2.00	1.50	BE2-D1735■ 308	2.50 to 4.00		
3.00	2.20	BE2-D1735■ 310	4.00 to 6.00		
5.00	3.70	BE2-D1735■ 312	5.50 to 8.00		
5.50	4.00	BE2-D1735■ 314	7.00 to 10.0		
7.50	5.50	BE2-D1735■ 316	10.0 to 13.0		
12.00	9.00	BE2-D2535■ 321	13.0 to 18.0	7865	1
15.0	11.0	BE2-D2535■ 322	18.0 to 25.0	8320	
20.0	15.0	BE2-D3235■ 353	23.0 to 32.0	13195	1

DOL Starter with 4P Contactor TC1-DX & TR2D Overload Relay

Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
HP	KW				
7.50	5.50	BE1-DXA204■ 316	9.0~13	2030	1
12.0	9.0	BE1-DXA204■ 321	12~18	2130	
15.0	11.0	BE1-DXA254■ 322	17~25	3450	

Prices are for standard Coil Voltages.

■ Please specify Coil Voltage, refer page no. 78

DOL Starter with D range Contactor in Plastic Enclosure

Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range Amps		MRP (Rs.)	Std. Pkg. (No's)
HP	KW		HP	KW		
0.50	0.37	LE1-D173■ 305	0.63 to 1.00		1570	1
0.75	0.55	LE1-D173■ 306	1.00 to 1.60			
1.50	1.10	LE1-D173■ 307	1.60 to 2.50			
2.00	1.50	LE1-D173■ 308	2.50 to 4.00			
3.00	2.20	LE1-D173■ 310	4.00 to 6.00			
5.00	3.70	LE1-D173■ 312	5.50 to 8.00			
5.50	4.00	LE1-D173■ 314	7.00 to 10.0			
7.50	5.50	LE1-D173■ 316	10.0 to 13.0			
12.0	9.0	LE1-D253■ 321	13.0 to 18.0		3650	1
15.0	11.0	LE1-D253■ 322	18.0 to 25.0			

Coil Voltage Codes (Standard) for DOL Starters

Motor Starter	Voltage**	
	240V	415V
BE1-D / LE1-D	UW	N

** DOL Motor Starter are available only in the above Standard Coil Voltages.

How to order :

- Complete code by replacing the blue square (■) by the letter(s) corresponding to the Coil Voltage selected.
- Starters should to be selected based on the FLC of Pump / Motor & Coil Voltage required.



Automatic Star Delta Starter with 4P Contactor TC1-DX & Type TR2 OLR, Electronic Star Delta Timer

Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
HP	kW				
7.5	5.5	BE3-DXA204■ 312	5.0~8.0	8120	1
12.0	9.0	BE3-DXA204■ 314	7.0~10		
15.0	11.0	BE3-DXA204■ 316	9.0~13		
20.0	15.0	BE3-DXA204■ 321	12~18	8320	1
25.0	18.0	BE3-DXA254■ 321	12~18	9135	1
		BE3-DXA254■ 322	18~25		

Prices are for standard Coil Voltages.

■ Please specify Coil Voltage, refer page no. 78

How to order Star Delta Starter :

- Complete the code by replacing the blue square (■) by the letter(s) corresponding to the Coil Voltage selected.
- Star Delta starters should be selected based on the FLC of the Pump/Motor phase current (Motor FLC X 0.58) & Coil Voltage required.

Motor Starters for Industrial Segment

Conforming IS13947-4

Automatic Star Delta Starter with D range Contactor, LR1 OLR & Electronic Star Delta Timer

Std. Power Rating for 3 Ph. Motor at 415V KW HP	Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
3.0 4.0	BE3-D1735 ■ 308	2.5 to 4.0	6890	1
4.0 5.5	BE3-D1735 ■ 310	4.0 to 6.0		
5.5 7.5	BE3-D1735 ■ 312	5.5 to 8.0		
9.0 12	BE3-D1735 ■ 314	7.0 to 10.0		
11 15	BE3-D1735 ■ 316	10.0 to 13.0		
15 20	BE3-D2235 ■ 321	13.0 to 18.0	7060	1
18 25	BE3-D2535 ■ 322	18.0 to 25.0	8220	1
22 30	BE3-D3235 ■ 322	18.0 to 25.0	16240	1
25 35	BE3-D3235 ■ 353	23.0 to 32.0	16240	1
30 40	BE3-D4035 ■ 355	30.0 to 40.0	17560	1
37 50	BE3-D5035 ■ 355	30.0 to 40.0	23345	1
51 70	BE3-D6335 ■ 359	48.0 to 57.0	39075	1
59 80	BE3-D8035N 361	57.0 to 66.0	43645	1
75 100	BE3-F115 363	66.0 to 80.0	58870	1
90 125	BE3-F115N 105	65.0 to 105.0	58870	1
110 150	BE3-F150N 125	80.0 to 125.0	63435	1
132 180	BE3-F185N 160	100.0 to 160.0	111650	1
160 220	BE3-F185N 200	125.0 to 200.0		
200 270	BE3-F265N 250	160.0 to 250.0	113680	1
220 300	BE3-F330N 315	200.0 to 315.0	119770	1
260 350	BE3-F330S 315	200.0 to 315.0	119770	1

Star Delta Starter in S.S Enclosure Semi Automatic

Std. Power Rating for 3 Ph. Motor at 415V KW HP	Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (No's)
3.0 4.0	BE3-D1735 ■ 308SA	2.5 to 4.0	5125	1
4.0 5.5	BE3-D1735 ■ 310SA	4.0 to 6.0		
5.5 7.5	BE3-D1735 ■ 312SA	5.5 to 8.0		
9.0 12	BE3-D1735 ■ 314SA	7.0 to 10.0		
11 15	BE3-D1735 ■ 316SA	10.0 to 13.0		
15 20	BE3-D2535 ■ 321SA	13.0 to 18.0	7205	1
18 25	BE3-D2535 ■ 322SA	18.0 to 25.0		

Prices are for standard Coil Voltages.

■ Please specify Coil Voltage.

☒ Non Stockable item

Intelligent Auto Transformer Starter with Digital Motor Protection Relay



Std. Power Rating for 3ph. Motor at 415 V KW HP	Reference	MRP (₹)	Std. Pkg. (No's)
30 40	BE3-D6335MATS40	POR	1
37 50	BE3-D8035MATS50		
51 70	BE3-F115MATS70		
59 80	BE3-F115MATS80		
75 100	BE3-F150MATS100		
90 125	BE3-F185MATS125		
100 150	BE3-F225MATS150		
132 180	BE3-F265MATS180		
160 220	BE3-F330MATS220		
200 270	BE3-F400MATS270		
220 300	BE3-F400MATS300		
250 335	BE3-F500MATS335		
280 380	BE3-F500MATS380		
315 425	BE3-F630MATS425		

Intelligent Star Delta Starter With Digital Motor Protection Relay

30 40	BE3-D4035MSD40	POR	1
37 50	BE3-D5035MSD50		
51 70	BE3-D6335MSD70		
59 80	BE3-D8035MSD80		
75 100	BE3-F115MSD100		
90 125	BE3-F115MSD125		
110 150	BE3-F150MSD150		
132 180	BE3-F185MSD180		
160 220	BE3-F185MSD220		
200 270	BE3-F265MSD270		
220 300	BE3-F330MSD300		
260 350	BE3-F330MSD335		
280 380	BE3-F400MSD380		
315 425	BE3-F400MSD425		
355 480	BE3-F400MSD480		

AC Coil Voltage Codes (Standard) for Star Delta

Motor Starter	Voltage	
	380#	415
BE3-D / BE3-F	NW	N

Wide Band Coil available for Star Delta Starters upto 40 HP only.

Industrial Plugs & Sockets

IEC 60309 Series

Product Detail	Relay Range Amps	Protection Degree	3PIN, 2P+E 240V AC			5 PIN, 3P+N+E 415V AC			Std. Pkg. (No's)
			Code	Reference H	MRP (₹)	Code	Reference H	MRP (₹)	
Panel Mounting Socket - Splash Proof	16	IP44	CS62205	6	275	CS62210	6	435	1
	32		CS62216	6	470	CS62221	6	525	
Panel Mounting Socket - Water Tight	16	IP67	CS62227	6	575	CS62232	6	635	1
	32		CS62238	6	695	CS62243	6	815	
	63		CS63249	6	2195	CS63254	6	2125	
	125					CS62262	6	7950	
Surface Mounting Socket - Splash Proof	16	IP44	CS62404	6	490	CS62409	6	510	1
	32		CS62415	6	545	CS62420	6	595	
Surface Mounting Socket - Water Tight	16	IP67	CS62426	6	760	CS62431	6	950	1
	32		CS62437	6	955	CS62442	6	1125	
	63		CS62448	6	2970	CS63453	6	2790	
	125					CS63463	6	10200	
Plugs - Splash Proof	16	IP44	CS60004	6	225	CS60009	6	315	1
	32		CS60015	6	360	CS60020	6	435	
Plugs - Water Tight	16	IP67	CS60026	6	495	CS60031	6	675	1
	32		CS60037	6	790	CS60042	6	800	
	63		CS61048	6	2350	CS61053	6	2100	
	125					CS60061	6	6625	
Surface Mounting Interlocked Switched Socket Outlet - Horizontal	16	IP44	CS66004 (H)	6	3500	CS66109 (H)	6	4200	1
	32		CS66015 (H)	6	4000	CS66020 (H)	6	5000	
Surface Mounting Interlocked Switched Socket Outlet - Vertical	16	IP67	CS66200	6	4000	CS66202	6	5600	1
	32		CS66201	6	5670	CS66203	6	6930	
Connector - Splash Proof	16	IP44	CS62004	6	350				1
	32		CS62015	6	435				
Distribution AC / Industrial Outlet with Plug / Socket in Sheet Steel Enclosure	16	IP40	CS60045	6	865				1
	32		CS60046	6	1100	CS60047	6	1370	
	63					CS60048	6	4150	
Flexi Distribution Boxes with Protection fitted with Sockets & without MCB & RCCB	16	IP44	CSA06MA01-4	6	POR	CSA06MF01-4		POR	1
	32		CSA06MB01-4	6	POR				



Final Power Distribution Components

Miniature Circuit Breakers

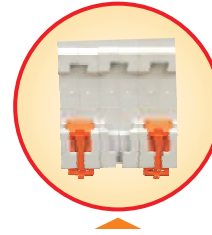
Residual Current Circuit Breakers

Distribution Boards

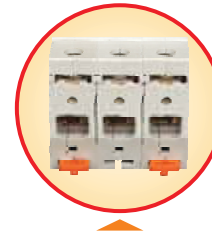


Miniature Circuit Breaker

IS/IEC60898-1-2002



Two stage easy snapping device for Din Rail Mounting



Bi-connect terminals for Cable and Busbar

B-Series LIGHTING & DISTRIBUTION WITH NO SURGE CURRENT

Current rating (Amps.)	Code	MRP (₹)	Stg.Pkg. (No's)
1 Pole			
6	CSMB1B6	158	12
10	CSMB1B10	158	12
16	CSMB1B16	158	12
20	CSMB1B20	158	12
25	CSMB1B25	158	12
32	CSMB1B32	158	12
40	CSMB1B40	357	12
50	CSMB1B50	426	12
63	CSMB1B63	426	12

Current rating (Amps.)	Code	MRP (₹)	Stg.Pkg. (No's)
3 Pole			
6	CSMB3B6	788	4
10	CSMB3B10	788	4
16	CSMB3B16	788	4
20	CSMB3B20	788	4
25	CSMB3B25	788	4
32	CSMB3B32	788	4
40	CSMB3B40	1141	4
50	CSMB3B50	1255	4
63	CSMB3B63	1255	4

1 Pole + N			
6	CSMB1B6N	472	6
10	CSMB1B10N	472	6
16	CSMB1B16N	472	6
20	CSMB1B20N	472	6
25	CSMB1B25N	472	6
32	CSMB1B32N	472	6
40	CSMB1B40N	688	6
50	CSMB1B50N	761	6
63	CSMB1B63N	761	6

3 Pole + N			
6	CSMB3B6N	1066	3
10	CSMB3B10N	1066	3
16	CSMB3B16N	1066	3
20	CSMB3B20N	1066	3
25	CSMB3B25N	1066	3
32	CSMB3B32N	1066	3
40	CSMB3B40N	1440	3
50	CSMB3B50N	1604	3
63	CSMB3B63N	1604	3

2 Pole			
6	CSMB2B6	528	6
10	CSMB2B10	528	6
16	CSMB2B16	528	6
20	CSMB2B20	528	6
25	CSMB2B25	528	6
32	CSMB2B32	528	6
40	CSMB2B40	739	6
50	CSMB2B50	869	6
63	CSMB2B63	869	6

4 Pole			
6	CSMB4B6	1185	3
10	CSMB4B10	1185	3
16	CSMB4B16	1185	3
20	CSMB4B20	1185	3
25	CSMB4B25	1185	3
32	CSMB4B32	1185	3
40	CSMB4B40	1573	3
50	CSMB4B50	1687	3
63	CSMB4B63	1687	3

WiNtrip Miniature Circuit Breaker

C-Series

INDUCTIVE LOAD WITH SURGE CURRENT - MOTOR CIRCUIT APPLICATIONS

IS/IEC60898-1-2002



CM / L - 8 8 8 5 7 1 6

Current rating (Amps.)	Code	MRP (₹)	Stg.Pkg. (No's)
1Pole			
0.5	CSMB1C0.5	263	12
1	CSMB1C1	263	12
2	CSMB1C2	263	12
3	CSMB1C3	263	12
4	CSMB1C4	263	12
5	CSMB1C5	263	12
6	CSMB1C6	173	12
10	CSMB1C10	173	12
16	CSMB1C16	173	12
20	CSMB1C20	173	12
25	CSMB1C25	173	12
32	CSMB1C32	173	12
40	CSMB1C40	362	12
50	CSMB1C50	431	12
63	CSMB1C63	431	12
80	CSMB1C80	1572	3
100	CSMB1C100	1761	3
125	CSMB1C125	1902	3

1Pole+N			
0.5	CSMB1C0.5N	578	6
1	CSMB1C1N	578	6
2	CSMB1C2N	578	6
3	CSMB1C3N	578	6
4	CSMB1C4N	578	6
5	CSMB1C5N	578	6
6	CSMB1C6N	520	6
10	CSMB1C10N	520	6
16	CSMB1C16N	520	6
20	CSMB1C20N	520	6
25	CSMB1C25N	520	6
32	CSMB1C32N	520	6
40	CSMB1C40N	714	6
50	CSMB1C50N	824	6
63	CSMB1C63N	824	6

2Pole			
0.5	CSMB2C0.5	686	6
1	CSMB2C1	686	6
2	CSMB2C2	686	6
3	CSMB2C3	686	6
4	CSMB2C4	686	6
5	CSMB2C5	686	6
6	CSMB2C6	546	6
10	CSMB2C10	546	6
16	CSMB2C16	546	6
20	CSMB2C20	546	6
25	CSMB2C25	546	6
32	CSMB2C32	546	6
40	CSMB2C40	781	6
50	CSMB2C50	896	6
63	CSMB2C63	896	6
80	CSMB2C80	3489	3
100	CSMB2C100	3724	3
125	CSMB2C125	4094	3

3Pole			
0.5	CSMB3C0.5	929	4
1	CSMB3C1	929	4
2	CSMB3C2	929	4
3	CSMB3C3	929	4
4	CSMB3C4	929	4
5	CSMB3C5	929	4
6	CSMB3C6	832	4
10	CSMB3C10	832	4
16	CSMB3C16	832	4
20	CSMB3C20	832	4
25	CSMB3C25	832	4
32	CSMB3C32	832	4
40	CSMB3C40	1185	4
50	CSMB3C50	1314	4
63	CSMB3C63	1314	4
80	CSMB3C80	5506	1
100	CSMB3C100	5865	1
125	CSMB3C125	6513	1

3Pole+N			
0.5	CSMB3C0.5N	1251	3
1	CSMB3C1N	1251	3
2	CSMB3C2N	1251	3
3	CSMB3C3N	1251	3
4	CSMB3C4N	1251	3
5	CSMB3C5N	1251	3
6	CSMB3C6N	1082	3
10	CSMB3C10N	1082	3
16	CSMB3C16N	1082	3
20	CSMB3C20N	1082	3
25	CSMB3C25N	1082	3
32	CSMB3C32N	1082	3
40	CSMB3C40N	1483	3
50	CSMB3C50N	1632	3
63	CSMB3C63N	1632	3
80	CSMB3C80N	6492	1
100	CSMB3C100N	7250	1
125	CSMB3C125N	7250	1

4Pole			
0.5	CSMB4C0.5	1378	3
1	CSMB4C1	1378	3
2	CSMB4C2	1378	3
3	CSMB4C3	1378	3
4	CSMB4C4	1378	3
5	CSMB4C5	1378	3
6	CSMB4C6	1191	3
10	CSMB4C10	1191	3
16	CSMB4C16	1191	3
20	CSMB4C20	1191	3
25	CSMB4C25	1191	3
32	CSMB4C32	1191	3
40	CSMB4C40	1597	3
50	CSMB4C50	1747	3
63	CSMB4C63	1747	3
80	CSMB4C80	7006	1
100	CSMB4C100	7304	1
125	CSMB4C125	8250	1

- All MCBs from 0.5A to 63A conforms to IS60898-1-2002 & are ISI marked
- MCB from 80A to 125A conforms to IEC:60947-2

WiNtrip Miniature Circuit Breaker

D-Series

HIGH INDUCTIVE LOAD & HIGH INRUSH CURRENT

IS/IEC60898-1-2002

Current rating (Amps.)	Code	MRP (₹)	Stg.Pkg. (No's)
1 Pole			
0.5	☒ CSMB1D0.5	282	12
1	☒ CSMB1D1	282	12
2	☒ CSMB1D2	282	12
3	☒ CSMB1D3	282	12
4	☒ CSMB1D4	282	12
5	☒ CSMB1D5	282	12
6	☒ CSMB1D6	242	12
10	☒ CSMB1D10	242	12
16	☒ CSMB1D16	242	12
20	☒ CSMB1D20	242	12
25	☒ CSMB1D25	242	12
32	☒ CSMB1D32	242	12
40	☒ CSMB1D40	414	12
50	☒ CSMB1D50	453	12
63	☒ CSMB1D63	453	12

Current rating (Amps.)	Code	MRP (₹)	Stg.Pkg. (No's)
3 Pole			
0.5	☒ CSMB3D0.5	1216	4
1	☒ CSMB3D1	1216	4
2	☒ CSMB3D2	1216	4
3	☒ CSMB3D3	1216	4
4	☒ CSMB3D4	1216	4
5	☒ CSMB3D5	1216	4
6	☒ CSMB3D6	942	4
10	☒ CSMB3D10	942	4
16	☒ CSMB3D16	942	4
20	☒ CSMB3D20	942	4
25	☒ CSMB3D25	942	4
32	☒ CSMB3D32	942	4
40	☒ CSMB3D40	1453	4
50	☒ CSMB3D50	1464	4
63	☒ CSMB3D63	1464	4

1 Pole + N			
0.5	☒ CSMB1D0.5N	833	6
1	☒ CSMB1D1N	833	6
2	☒ CSMB1D2N	833	6
3	☒ CSMB1D3N	833	6
4	☒ CSMB1D4N	833	6
5	☒ CSMB1D5N	833	6
6	☒ CSMB1D6N	727	6
10	☒ CSMB1D10N	727	6
16	☒ CSMB1D16N	727	6
20	☒ CSMB1D20N	727	6
25	☒ CSMB1D25N	727	6
32	☒ CSMB1D32N	727	6
40	☒ CSMB1D40N	840	6
50	☒ CSMB1D50N	1023	6
63	☒ CSMB1D63N	1023	6

3 Pole + N			
0.5	☒ CSMB3D0.5N	1641	3
1	☒ CSMB3D1N	1641	3
2	☒ CSMB3D2N	1641	3
3	☒ CSMB3D3N	1641	3
4	☒ CSMB3D4N	1641	3
5	☒ CSMB3D5N	1641	3
6	☒ CSMB3D6N	1507	3
10	☒ CSMB3D10N	1507	3
16	☒ CSMB3D16N	1507	3
20	☒ CSMB3D20N	1507	3
25	☒ CSMB3D25N	1507	3
32	☒ CSMB3D32N	1507	3
40	☒ CSMB3D40N	1668	3
50	☒ CSMB3D50N	1776	3
63	☒ CSMB3D63N	1776	3

2 Pole			
0.5	☒ CSMB2D0.5	775	6
1	☒ CSMB2D1	775	6
2	☒ CSMB2D2	775	6
3	☒ CSMB2D3	775	6
4	☒ CSMB2D4	775	6
5	☒ CSMB2D5	775	6
6	☒ CSMB2D6	614	6
10	☒ CSMB2D10	614	6
16	☒ CSMB2D16	614	6
20	☒ CSMB2D20	614	6
25	☒ CSMB2D25	614	6
32	☒ CSMB2D32	614	6
40	☒ CSMB2D40	915	6
50	☒ CSMB2D50	979	6
63	☒ CSMB2D63	979	6

4 Pole			
0.5	☒ CSMB4D0.5	1480	3
1	☒ CSMB4D1	1480	3
2	☒ CSMB4D2	1480	3
3	☒ CSMB4D3	1480	3
4	☒ CSMB4D4	1480	3
5	☒ CSMB4D5	1480	3
6	☒ CSMB4D6	1184	3
10	☒ CSMB4D10	1184	3
16	☒ CSMB4D16	1184	3
20	☒ CSMB4D20	1184	3
25	☒ CSMB4D25	1184	3
32	☒ CSMB4D32	1184	3
40	☒ CSMB4D40	1663	3
50	☒ CSMB4D50	1830	3
63	☒ CSMB4D63	1830	3

☒ Non Stockable item

WiNtrip Miniature Circuit Breaker

DC-Series

IS/IEC60898-2-2002

Current rating (Amps.)	Code	MRP (₹)	Stg.Pkg. (No's)
1 Pole			
0.5	CSMB1DC0.5	314	12
1	CSMB1DC1	314	12
2	CSMB1DC2	314	12
3	CSMB1DC3	314	12
4	CSMB1DC4	314	12
5	CSMB1DC5	314	12
6	CSMB1DC6	288	12
10	CSMB1DC10	288	12
16	CSMB1DC16	288	12
20	CSMB1DC20	288	12
25	CSMB1DC25	288	12
32	CSMB1DC32	288	12
40	CSMB1DC40	397	12
50	CSMB1DC50	479	12
63	CSMB1DC63	479	12

☒ Non Stockable item

Isolators

IS/IEC60947-3

Current rating (Amps.)	Code	MRP (₹)	Stg.Pkg. (No's)
1 Pole			
25	CSMB1ISO25	199	12
40	CSMB1ISO40	231	12
63	CSMB1ISO63	258	12
80	CSMB1ISO80	323	12
100	CSMB1ISO100	377	12
125	CSMB1ISO125	447	12
2 Pole			
25	CSMB2ISO25	328	6
40	CSMB2ISO40	342	6
63	CSMB2ISO63	439	6
80	CSMB2ISO80	573	6
100	CSMB2ISO100	573	6
125	CSMB2ISO125	627	6

Accessories (Factory fitted with MCB)

Current rating (Amps.)	Auxiliary Contact	Unit MRP (₹)	Shunt Trip	Unit MRP (₹)
☒ 1NO+1NC	AX	464		
☒ 12VDC			S1	464
☒ 24VDC			S2	464
☒ 48VDC			S3	464
☒ 220VAC			S4	464

☒ Non Stockable item

Current rating (Amps.)	Code	MRP (₹)	Stg.Pkg. (No's)
2 Pole			
0.5	CSMB2DC0.5	721	6
1	CSMB2DC1	721	6
2	CSMB2DC2	721	6
3	CSMB2DC3	721	6
4	CSMB2DC4	721	6
5	CSMB2DC5	721	6
6	CSMB2DC6	556	6
10	CSMB2DC10	556	6
16	CSMB2DC16	556	6
20	CSMB2DC20	556	6
25	CSMB2DC25	556	6
32	CSMB2DC32	556	6
40	CSMB2DC40	814	6
50	CSMB2DC50	891	6
63	CSMB2DC63	891	6



Isolators

Current rating (Amps.)	Code	MRP (₹)	Stg.Pkg. (No's)
3 Pole			
25	CSMB3ISO25	598	4
40	CSMB3ISO40	651	4
63	CSMB3ISO63	720	4
80	CSMB3ISO80	878	4
100	CSMB3ISO100	878	4
125	CSMB3ISO125	913	4
4 Pole			
25	CSMB4ISO25	646	3
40	CSMB4ISO40	777	3
63	CSMB4ISO63	814	3
80	CSMB4ISO80	1048	3
100	CSMB4ISO100	1048	3
125	CSMB4ISO125	1103	3

Ordering

Procedure

CSMB1C5N
Incase MCB required with

Shunt Trip, replace ■ with

OR

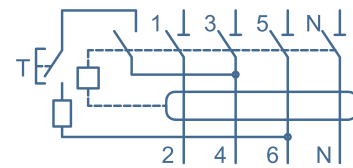
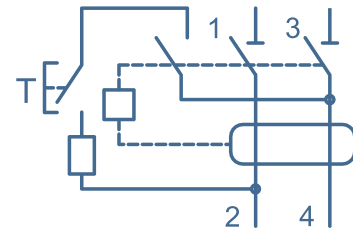
Auxiliary contact, replace ■ with

12V DC	S1
24V DC	S2
48V DC	S3
220V AC	S4
	AX

WiNtrip Residual Current Circuit Breaker
IS12640-1-2008

CM/L-3148552

Current rating (Amps.)	Code	Sensitivity	MRP (₹)	Stg.Pkg. (No's)
2Pole				
16	CSRB2P16A30	30	2077	6
16	CSRB2P16A100	100	2013	6
16	CSRB2P16A300	300	2013	6
20	CSRB2P20A30	30	2070	6
20	CSRB2P20A100	100	2009	6
20	CSRB2P20A300	300	2009	6
25	CSRB2P25A30	30	2083	6
25	CSRB2P25A100	100	2024	6
25	CSRB2P25A300	300	2024	6
32	CSRB2P32A30	30	2196	6
32	CSRB2P32A100	100	2207	6
32	CSRB2P32A300	300	2207	6
40	CSRB2P40A30	30	2189	6
40	CSRB2P40A100	100	2185	6
40	CSRB2P40A300	300	2185	6
63	CSRB2P63A30	30	2941	6
63	CSRB2P63A100	100	3014	6
63	CSRB2P63A300	300	3014	6
80	CSRB2P80A30	30	4402	6
80	CSRB2P80A100	100	4402	6
80	CSRB2P80A300	300	4402	6
100	CSRB2P100A30	30	4402	6
100	CSRB2P100A100	100	4402	6
100	CSRB2P100A300	300	4402	6
4Pole				
16	CSRB4P16A30	30	2610	3
16	CSRB4P16A100	100	2583	3
16	CSRB4P16A300	300	2583	3
20	CSRB4P20A30	30	2621	3
20	CSRB4P20A100	100	2575	3
20	CSRB4P20A300	300	2575	3
25	CSRB4P25A30	30	2637	3
25	CSRB4P25A100	100	2535	3
25	CSRB4P25A300	300	2535	3
32	CSRB4P32A30	30	2766	3
32	CSRB4P32A100	100	2729	3
32	CSRB4P32A300	300	2729	3
40	CSRB4P40A30	30	2691	3
40	CSRB4P40A100	100	2739	3
40	CSRB4P40A300	300	2739	3
63	CSRB4P63A30	30	3240	3
63	CSRB4P63A100	100	3014	3
63	CSRB4P63A300	300	3014	3
80	CSRB4P80A30	30	4854	3
80	CSRB4P80A100	100	4844	3
80	CSRB4P80A300	300	4844	3
100	CSRB4P100A30	30	4978	3
100	CSRB4P100A100	100	5059	3
100	CSRB4P100A300	300	5059	3



Note: Rating from 16A to 63A conforms to IS12640-1-2008 and as ISI marked


Bi-connect Terminal

Test Button

Rated current In / IΔn

Distribution Board

SPN WiNtrip DB

Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
SPN WiNtrip 04 Way Single Door DB	CSDBSPNSD04	4	719
SPN WiNtrip 08 Way Single Door DB	CSDBSPNSD08	8	906
SPN WiNtrip 12 Way Single Door DB	CSDBSPNSD12	12	1082
SPN WiNtrip 16 Way Single Door DB	CSDBSPNSD16	16	1351
SPN WiNtrip 04 Way Double Door DB	CSDBSPNDD04	4	1035
SPN WiNtrip 08 Way Double Door DB	CSDBSPNDD08	8	1299
SPN WiNtrip 12 Way Double Door DB	CSDBSPNDD12	12	1568
SPN WiNtrip 16 Way Double Door DB	CSDBSPNDD16	16	1967



TPN WiNtrip DB - Horizontal

TPNH WiNtrip 04 Way Single Door DB	CSDBTPNHSD04	8+12	1998
TPNH WiNtrip 06 Way Single Door DB	CSDBTPNHSD06	8+18	2500
TPNH WiNtrip 08 Way Single Door DB	CSDBTPNHSD08	8+24	2970
TPNH WiNtrip 12 Way Single Door DB	CSDBTPNHSD12	8+36	4347
TPNH WiNtrip 16 Way Single Door DB	CSDBTPNHSD16	8+48	5315
TPNH WiNtrip 04 Way Double Door DB	CSDBTPNHDD04	8+12	2650
TPNH WiNtrip 06 Way Double Door DB	CSDBTPNHDD06	8+18	3276
TPNH WiNtrip 08 Way Double Door DB	CSDBTPNHDD08	8+24	3923
TPNH WiNtrip 12 Way Double Door DB	CSDBTPNHDD12	8+36	5848
TPNH WiNtrip 16 Way Double Door DB	CSDBTPNHDD16	8+48	7152



Note: DB's with Lock & Key optional on request.

SPN WiNclass DB

SPN WiNclass 2+04 Way Single Door DB	CSDBSPNSD04S	2+04	500
SPN WiNclass 2+08 Way Single Door DB	CSDBSPNSD08S	2+08	618
SPN WiNclass 2+12 Way Single Door DB	CSDBSPNSD12S	2+12	855
SPN WiNclass 2+14 Way Single Door DB	CSDBSPNSD16S	2+14	1061
SPN WiNclass 2+04 Way Double Door DB	CSDBSPNDD04S	2+04	855
SPN WiNclass 2+08 Way Double Door DB	CSDBSPNDD08S	2+08	1118
SPN WiNclass 2+12 Way Double Door DB	CSDBSPNDD12S	2+12	1457
SPN WiNclass 2+14 Way Double Door DB	CSDBSPNDD16S	2+14	1880



TPN WiNclass DB

TPNH WiNclass 04 Way Single Door DB	CSDBTPNHSD04S	8+12	1648
TPNH WiNclass 06 Way Single Door DB	CSDBTPNHSD06S	8+18	1972
TPNH WiNclass 08 Way Single Door DB	CSDBTPNHSD08S	8+24	2209
TPNH WiNclass 12 Way Single Door DB	CSDBTPNHSD12S	8+36	2920
TPNH WiNclass 16 Way Single Door DB	CSDBTPNHSD16S	8+48	3657
TPNH WiNclass 04 Way Double Door DB	CSDBTPNHDD04SN	4+12	2348
TPNH WiNclass 04 Way Double Door DB	CSDBTPNHDD04S	8+12	2369
TPNH WiNclass 06 Way Double Door DB	CSDBTPNHDD06S	8+18	2977
TPNH WiNclass 08 Way Double Door DB	CSDBTPNHDD08S	8+24	3770
TPNH WiNclass 12 Way Double Door DB	CSDBTPNHDD12S	8+36	5377
TPNH WiNclass 16 Way Double Door DB	CSDBTPNHDD16S	8+48	7159



WiNtrip Distribution Board

PPI Distribution Board

Description	Product Code	MRP (₹)
4 Way DD	CSDBTPNPIDD04	4088
6 Way DD	CSDBTPNPIDD06	5113

Description	Product Code	MRP (₹)
8 Way DD	CSDBTPNPIDD08	6200
12 Way DD	CSDBTPNPIDD12	7173

VTPN DB (with provision for MCB as incomer)

Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
4 way Double Door	CSDBTPNVDD04	8+12	6438
6 way Double Door	CSDBTPNVDD06	8+18	7369
8 way Double Door	CSDBTPNVDD08	8+24	8151
12 way Double Door	CSDBTPNVDD12	8+36	10919



VTPN DB (with provision for MCCB as incomer)

Prices without MCCB

Description	Product Code	MRP (₹)
DB, MCCB AS I/C 100A DD04 WAY IP43	CSDBMCCB100DD04IP43	7514
DB, MCCB AS I/C 100A DD08 WAY IP43	CSDBMCCB100DD08IP43	9548
DB, MCCB AS I/C 100A DD12 WAY IP43	CSDBMCCB100DD12IP43	12746
DB, MCCB AS I/C 225A DD04 WAY IP43	CSDBMCCB225DD04IP43	14009
DB, MCCB AS I/C 225A DD08 WAY IP43	CSDBMCCB225DD08IP43	16488
DB, MCCB AS I/C 225A DD12 WAY IP43	CSDBMCCB225DD12IP43	17217



MCCB Selection Guide

Description	Product Code	TYPE/ BREAKING CAPACITY Ics=100%Icu	MCCB Rating
3POLE & 4POLE-CS2A3*/ CSC1N3*/CSC1N4*/CSC1S3*/ CSC1S4* & CSC2N3*/CSC2N4	CSDBMCCB100DD04IP43	CS2A3=10kA	75,100A
	CSDBMCCB100DD08IP43	CSC1N=14kA	15,20,30,40&50A
	CSDBMCCB100DD12IP43	CSC1S=18kA	15,20,30,40&50A
3POLE & 4POLE-CSC4N3*/ CSC4N4*/CSC4S3*/CSC4S4*	CSDBMCCB225DD04IP43	CSC2N=18kA	60,75&100A
	CSDBMCCB225DD08IP43	CSC4N=26kA	100,125,150,175 200&250A
	CSDBMCCB225DD12IP43	CSC4S=37kA	150,175,200&250A



Note: Replace *with MCCB code eg MCCB 3Pole, 14kA, 50A~~CSC1N350

Phase Selector DB-TPN Phase Selector DD DB for incorporating MCB/Isolator/RCCB, equipped with 3 Nos 63A Phase selector switches & 3 No Piano switches

Description	Product Code	MRP (₹)
4 WAY DD with 63A R/S	CSDBPHSDD04RS63	8160
6 WAY DD with 63A R/S	CSDBPHSDD06RS63	8349
8 WAY DD with 63A R/S	CSDBPHSDD08RS63	9211
12 WAY DD with 63A R/S	CSDBPHSDD12RS63	10205
4 WAY DD with 40A R/S	CSDBPHSDD04RS40	8170
6 WAY DD with 40A R/S	CSDBPHSDD06RS40	8201
8 WAY DD with 40A R/S	CSDBPHSDD08RS40	8966
12WAY DD with 40A R/S	CSDBPHSDD12RS40	10037
4 WAY DD without R/S	CSDBPHSDD04	6875
6 WAY DD without R/S	CSDBPHSDD06	6977
8 WAY DD without R/S	CSDBPHSDD08	7793
12 WAY DD without R/S	CSDBPHSDD12	8813



7 Segment Distribution Board

Description	Product Code	MRP (₹)
7 Segment TPN DD DB With Provision for FP MCB/Isolator/RCCB as incomer, DP MCB/Isolator/RCCB as sub incomer and SP MCBs as outgoing	CSDB7SEGDD04	6365
	CSDB7SEGDD06	7176
	CSDB7SEGDD08	8012
	CSDB7SEGDD12	10185



Price on request

Prewired Distribution Board fitted with Busbar, Terminal Block for incoming/outgoing phase neutral & Earth duly wired with Provision for ISO/RCCB/MCB as incomer and SP outgoing (without MCBs)

WINTRIP FLEXI (Tier) DBs (with metal door)

Description	Product Code	MRP (₹)
FLEXI DD DB 2 ROW 13MODULES	CSDBFLDD2R13	3229
FLEXI DD DB 3 ROW 13MODULES	CSDBFLDD3R13	3804
FLEXI DD DB 4 ROW 13MODULES	CSDBFLDD4R13	4207



Double Door DB with Acrylic window

Description	Product Code	MRP (₹)
SPN DISTRIBUTION BOARD DOUBLE DOOR 4 Way	CSDBSPNDDA2+04	1215
SPN DISTRIBUTION BOARD DOUBLE DOOR 8 Way	CSDBSPNDDA2+08	1435
SPN DISTRIBUTION BOARD DOUBLE DOOR 12 Way	CSDBSPNDDA2+12	1740
SPN DISTRIBUTION BOARD DOUBLE DOOR 16 Way	CSDBSPNDDA2+14	2155



Note: TPN Acrylic DB on request

Wintrip CABLE END BOX

TPNH Cable End Box Double Door Distribution Board

Description	Product Code	MRP (₹)
TPNH 4 way	CSDBCBTPNHDD04	714
TPNH 6 way	CSDBCBTPNHDD06	854
TPNH 8 way	CSDBCBTPNHDD08	1018
TPNH 12 way	CSDBCBTPNHDD12	1463
TPNH 16 way	CSDBCBTPNHDD16	1519



TPNV Cable End Box Double Door Distribution Board

Description	Product Code	MRP (₹)
TPNV 4 way	CSDBCBTPNVDD	1205
TPNV 8 way	CSDBCBTPNVDD	1205
TPNV 12 way	CSDBCBTPNVDD	1205

Tel. & TV Socket DB

Description	Product Code	MRP (₹)
SPN 04 way Tel & TV SOCKET DB (2+4)	CSDBSPNDDTELV04	2039
SPN 06 way Tel & TV SOCKET DB (2+6)	CSDBSPNDDTELV06	2163
SPN 08 way Tel & TV SOCKET DB (2+8)	CSDBSPNDDTELV08	2297
SPN 10 way Tel & TV SOCKET DB (2+10)	CSDBSPNDDTELV10	2441
SPN 12 way Tel & TV SOCKET DB (2+12)	CSDBSPNDDTELV12	2719
SPN 14 way Tel & TV SOCKET DB (2+14)	CSDBSPNDDTELV14	2807
TPN 04 way Tel & TV SOCKET DB (8+12)	CSDBTPNDDTELV04	3502
TPN 06 way Tel & TV SOCKET DB (8+18)	CSDBTPNDDTELV06	4017
TPN 08 way Tel & TV SOCKET DB (8+24)	CSDBTPNDDTELV08	4635
TPN 12 way Tel & TV SOCKET DB (8+36)	CSDBTPNDDTELV12	6036



Plug and Socket DBs (without MCB)

Powder Coated Sheet Metal Deep Drawn DBs with Plug & Socket including insulated Neutral link, adjustable Din Rail and connecting links.

Description	Product Code	MRP (₹)	Stg. Pkg. (No.s)
10Amp SPN	CSDBPSSPN010	700	12
20Amp SPN	CSDBPSSPN020	700	12
20Amp SPN (SP Cutout)	CSDBPSSPN020SP	700	12
20Amp TPN	CSDBPSTPN020	2000	6
30Amp TPN	CSDBPSTPN030	2000	6



PLUG and SOCKETS (Metal Clad)

10Amp SPN Plug	CSDBPSPN010	137	36
10Amp SPN Socket	CSDBSPPN010	137	36
20Amp SPN Plug	CSDBPSPN020	155	36
20Amp SPN Socket	CSDBSPPN020	165	36
20Amp TPN Plug	CSDBPTPN020	193	36
20Amp TPN Socket	CSDBSTPN020	202	36
30Amp TPN Plug	CSDBPTPN030	314	36
30Amp TPN Socket	CSDBSTPN030	314	36



METAL ENCLOSURES (with Din Rail)

For Mounting Wintrip MCBs / RCCBs / Isolators

SP Enclosure	CSDBMCBESP	256	24
DP Enclosure	CSDBMCBEDP	256	24
TP Enclosure	CSDBMCBETP	292	12
FP Enclosure	CSDBMCBEFP	292	12



Plastic Enclosure without MCB

Description	Product Code	MRP (₹)
Plastic MCB Enclosure SP&DP/STD	CSDBMCBEPDPR	90
Plastic MCB Enclosure TP&FP/STD	CSDBMCBEPFPR	140



MCB Type Changeover Switch

Description	Product Code	MRP (₹)	Stg. Pkg. (Nos.)
Two way centre OFF Changeover Switch 2P/ 25A	CSCOS2P25A	1030	6
Two way centre OFF Changeover Switch 2P/ 40A	CSCOS2P40A	1480	
Two way centre OFF Changeover Switch 4P/ 25A	CSCOS4P25A	1800	3
Two way centre OFF Changeover Switch 4P/ 40A	CSCOS4P40A	2710	



CUSTOMER CARE CENTRE - SERVICE NETWORK



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