



ONE NATION  
ONE TAX



## Price Schedule

Effective 1<sup>st</sup> July, 2017

Low Voltage Components

We touch your electricity everyday!

# LV Components Division

## Power Distribution Components

- **Air Circuit Breakers**  
Range: 630A~6300A
- **Moulded Case Circuit Breakers**  
Range: 15A~1600A
- **Switch Disconnecter Fuses**  
Range: 32A~800A
- **Switch Disconnectors**  
Range: 25A~3150A
- **Changeover & Bypass Switches**  
Range: 63A~3150A
- **HRC Fuse Link, Fuse Base & Fuse Holder**  
Range: 2A~800A



## Power Control Components

- **Motor Protection Circuit Breakers**  
Range: 0.1A~100A
- **Power Contactor**  
robustTa2 Contactors: 7A~38A  
Exceed Contactors: 6A~1000A  
Mini Contactors: 6A~16A  
robustTa Contactors: 9A~2100A  
Capacitor Duty Contactors: 7kVAR~75kVAR  
D Range Contactors: 9A~80A  
Overload Relays: 0.1A~1000A  
Definite Purpose Contactor: 20A~40A  
Contactor: 20A~40A, in 2 & 4 Pole
- **Industrial Plugs & Sockets**  
Range: 3Pin 16A~63A, 4Pin 32A, 5Pin 63A~125A
- **Control & Signalling Devices**  
Metallic & Polycarbonate Series
- **Motor Starters**  
Agri Starters: upto 75HP  
Industrial Starters: upto 350HP



## Final Power Distribution Components

- **Miniature Circuit Breakers**  
Rating: 0.5A~125A in 1P, 1P+N, 2P, 3P, 3P+N & 4P  
Trip Type B, C, D & K  
DC MCB Rating: 0.5A~63A, 1P & 2P
- **Isolator**  
Rating: 25A~125A in 1P, 2P, 3P & 4P
- **MCB Changeover Switch**  
Rating: 25A, 40A & 63A in 2P & 4P
- **Residual Current Circuit Breakers**  
Range: 10A~100A, 2P & 4P in 30, 100 & 300mA
- **Distribution Boards**  
Wide range inclusive of SPN/TPN, Single & Double door in all variants i.e. Horizontal, Vertical, PPI, Phase Selector, VTPN with MCB or MCCB as incomer, 7-Segment, Flexy (Tier), Acrylic, TV/Telephone, Plug & Socket, Cable End Box Distribution Boards and Metal & Plastic Enclosures



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## Maximum Retail Price

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## Final Power Distribution Components

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Renewable energy offer us infinite sources of power with minimum environmental impact. C&S Electric, a leading manufacturer in the Switchgear industry, has developed several products for these applications in accordance with its policy of providing its customers with tools to harness the energy in the most effective and sustainable way.



## WiNbreak 2

DC MCCB



### Features

- WiNbreak2 DC MCCB is suitable for DC application such as Photovoltaic / UPS / Battery / Datacenter etc.
- Higher nominal voltage upto 1000VDC
- Breaking capacity upto 40kA
- DC short circuit tested by VDE
- Rated current: 16A-800A
- Pole: 2, 3 & 4

## DC Switch Disconnector



### Features

- DC Switch is suitable for DC application such as Photovoltaic / UPS / Battery / Datacenter etc.
- Voltage upto 1000VDC
- Modular construction
- Suitable for DC-21B application
- Rated current: 200A-1600A
- No of Pole: 4

# Power Distribution Components



Air Circuit Breakers ■ Moulded Case Circuit Breakers  
Switch Disconnector Fuses ■ Switch Disconnectors  
Changeover & Bypass Switches  
HRC Fuse Links, Fuse Bases & Fuse Holders

# WiNmaster2

Breaker with intelligence

WiNmaster2 Power Circuit Breakers are a new generation of Air Circuit Breakers having modular construction to offer a truly global product platform meeting IEC, ANSI and UL standards.



**Range**

630A-2500A

Single frame  
for  
complete  
range

**Poles**

3P & 4P

**Versions**

Fixed & Drawout  
(Mechanical  
& Electrical)

**Ics=Icu=Icw**  
(for 1 sec)  
at 50kA

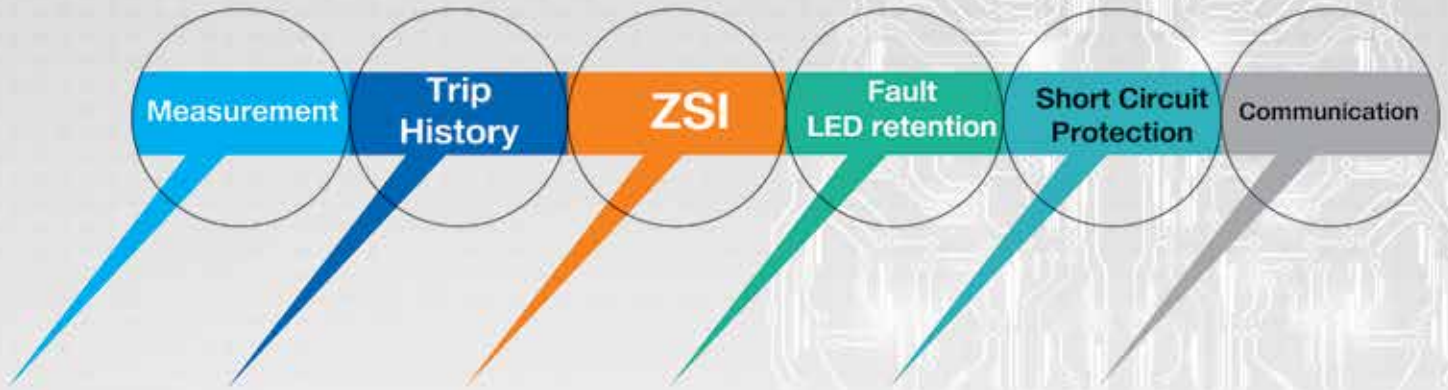
CE RoHS  
Compliant

## Intelligent releases

- Micropro2 3.1
- Micropro2 4.1
- Micropro2 7.1

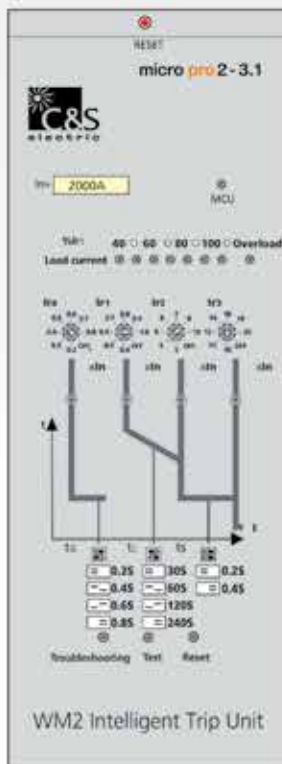


# INTELLIGENT RELEASE



## MicroPro2 3.1

- Overload protection
- Short Circuit current protection
- Earth Fault protection
- INST Fault protection



## MicroPro2 4.1

- Overload & Short Circuit protection
- Instantaneous current protection
- Neutral & Ground Fault Protection
- Ampere Meter
- Digital display and fault LED retention in case of power failure



## MicroPro2 7.1

- Overload & Short Circuit protection
- Instantaneous current protection
- Neutral & Ground Fault / Leakage Protection
- Various Protection related to voltage, frequency, load and motor
- Zone Selectivity, Measurement of V, I, P, F, KWH, KVAh, Harmonics etc. and also store the maximum value in maximeter

## Communication

- Port: RS485
- Protocol: Modbus/Profibus/Devicenet





# List Price

## Power Distribution Components

### General Terms & Conditions

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.

- This supercedes all previous Price Lists.
- The List Prices (LP) mentioned are exclusive of all taxes.
- Maximum Retail Price (MRP) mentioned are maximum recommended selling prices inclusive of GST.
- All Prices are in Indian Rupees.

#### 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 billing address with all necessary documents.

#### CENTRAL CUSTOMER CARE (CCC)


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

##### C&S Electric Ltd.

Low Voltage Components Division  
222, Okhla Industrial Estate, Phase- III, New Delhi - 110020  
Tel.: +91 120 3857451, +91 11 3384 9333/9334/9338  
E-mail: [customercare@cselectric.co.in](mailto:customercare@cselectric.co.in)

#### POR - Price on request

Products have been classified as Stockable & Non Stockable items.

Non Stockable items has been marked as 





## WiNmaster2 Air Circuit Breaker

630A-2500A

### Features:

- LSING Protection
- Digital Display
- Communication through RS 485 Port
- True RMS Sensing
- Current, Voltage, Power Measurement with Maximeter
- Thermal Memory
- Trip History
- Fault Indication
- Zone Selectivity
- Harmonics

WiNmaster2 Breakers fitted with standard accessories, tabulated below, are included in the Prices mentioned in subsequent tables.

Manual Fixed (MF)	Electrical Fixed (EF)	Manual Drawout (MDO)	Electrical Drawout (EDO)
<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 6NO+6NC</li> <li>- Main CTs</li> <li>- Terminal Type - Horizontal</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 6NO+6NC</li> <li>- Main CTs</li> <li>- AC/DC Charging Motor</li> <li>- Closing Coil</li> <li>- Shunt Trip</li> <li>- Terminal Type - Horizontal</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 6NO+6NC</li> <li>- Main CTs</li> <li>- Safety Shutter</li> <li>- 55 Way auxiliary isolating contacts</li> <li>- Terminal Type - Horizontal</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 6NO+6NC</li> <li>- Main CTs</li> <li>- Safety Shutter</li> <li>- 55 Way auxiliary isolating contacts</li> <li>- AC/DC Charging Motor</li> <li>- Closing Coil</li> <li>- Shunt Trip</li> <li>- Terminal Type - Horizontal</li> </ul>

### Air Circuit Breaker with Intelligent Release Micropro2-3.1

Fixed 3 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF
630	50kA	WX06N3P*A(S)	95260	135200
800	50kA	WX08N3P*A(S)	95770	135730
1000	50kA	WX10N3P*A(S)	100400	144040
1250	50kA	WX12N3P*A(S)	112360	159320
1600	50kA	WX16N3P*A(S)	125240	174050
2000	50kA	WX20N3P*A(S)	146500	191130
2500	50kA	WX25N3P*A(S)	165460	216910

Drawout 3 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MDO	*EDO
630	50kA	WX06N3P*A(S)	138290	166250
800	50kA	WX08N3P*A(S)	139090	166730
1000	50kA	WX10N3P*A(S)	144440	171830
1250	50kA	WX12N3P*A(S)	158280	187550
1600	50kA	WX16N3P*A(S)	178990	205670
2000	50kA	WX20N3P*A(S)	213760	234520
2500	50kA	WX25N3P*A(S)	254110	279850

Fixed 3 Pole (with Neutral CT) for Earth fault Protection				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF
630	50kA	WX06N3PN*A(S)	99070	140620
800	50kA	WX08N3PN*A(S)	99600	141160
1000	50kA	WX10N3PN*A(S)	104420	149800
1250	50kA	WX12N3PN*A(S)	116850	165690
1600	50kA	WX16N3PN*A(S)	130260	181020
2000	50kA	WX20N3PN*A(S)	152360	198780
2500	50kA	WX25N3PN*A(S)	172080	225590

### Air Circuit Breaker with Intelligent Release Micropro2-3.1

Fixed 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF
630	50kA	WX06N4P*A(S)	115360	154700
800	50kA	WX08N4P*A(S)	115980	155300
1000	50kA	WX10N4P*A(S)	116200	155500
1250	50kA	WX12N4P*A(S)	147710	186690
1600	50kA	WX16N4P*A(S)	158720	204580
2000	50kA	WX20N4P*A(S)	180620	227920
2500	50kA	WX25N4P*A(S)	181770	230800

Drawout 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MDO	*EDO
630	50kA	WX06N4P*A(S)	164680	199900
800	50kA	WX08N4P*A(S)	165310	200490
1000	50kA	WX10N4P*A(S)	172200	206520
1250	50kA	WX12N4P*A(S)	198530	233860
1600	50kA	WX16N4P*A(S)	210000	252360
2000	50kA	WX20N4P*A(S)	250010	292050
2500	50kA	WX25N4P*A(S)	268500	299200

Drawout 3 Pole (with Neutral CT) for Earth fault Protection				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MDO	*EDO
630	50kA	WX06N3PN*A(S)	142440	171230
800	50kA	WX08N3PN*A(S)	143270	171730
1000	50kA	WX10N3PN*A(S)	148770	176980
1250	50kA	WX12N3PN*A(S)	163030	193180
1600	50kA	WX16N3PN*A(S)	184350	211840
2000	50kA	WX20N3PN*A(S)	220180	241560
2500	50kA	WX25N3PN*A(S)	261740	288420

### Price Changes for ACB with high end release w.r.t MicroPro2 3.1 ACB

Release	Description		List Price (₹)
Micropro2 4.1	LSING, Thermal Memory, Last Fault Trip History & current display	Add	5115
Micropro2 7.1	LSING, Earth Leakage Protection, Trip History, Over & under voltage/ Frequency, voltage imbalance, current imbalance, Reverse power, Phase Sequence, Leakage Alarm, Current imbalance Protection, Fault Indication, current, voltage and power display with maximeter feature with inbuilt communication	Add	27900

#### Notes:

- 1) While ordering an ACB, the complete catalogue reference by replacing '\*' with ACB type: MF-Manual Fixed, EF-Electrical Fixed, MDO-Manual Drawout, EDO-Electrical Drawout
- 2) In TP ACB, if earth fault facility required, please select Prices of ACB with neutral CT.
- 3) Other options of terminals are available on request.

## WiNmaster2 Air Circuit Breaker

Main Accessories (Please specify ACB rating & type while placing order)

1. Under Voltage Trip Device			
Sl. No.	Description	Reference	List Price (₹)
1.1	Without Delay Common for 630A-2500A	WM2-AUH-V-ABC-**	4930
1.2	With Delay Common for 630A-2500A	WM2-AUH-D-ABC-**	5394

2. Continuous rated Shunt Trip and Closing Coil			
Sl. No.	Description	Reference	List Price (₹)
2.1	Common for 630A-2500A	WM2-AVH-SC-ABC-**	2465
2.2	Common for 630A-2500A	WM2-AVH-CC-ABC-**	2465

**Options for Coil Voltage							
Description	AC Control Voltage			DC Control Voltage			
	110V	220-250V	380-440V	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	Reference	List Price (₹)
3.1	Universal Charging Motor - Common for 630A-2500A (for 220VAC/DC)	WM2-AMH-AV-A1-M	21855
3.2	Universal Charging Motor - Common for 630A-2500A (for 415VAC)	WM2-AMH-AU-A1-N	21855
3.3	Universal Charging Motor - Common for 630A-2500A (for 110VAC/DC)	WM2-AMH-AS-A1-F	21855
3.4	LIFTER	LIFTER (580x600)*	91640
		LIFTER-SPL (690x570)*	100750
3.5	Mismatch Prevention Device	WM2-MIP-AB	976
3.6	Panel Door Lock	WM2-PDL-AB	1405
3.7	Mechanical Interlock Horizontal (Drawout)	WM2-MIL-HD	23210
3.8	Mechanical Interlock Vertical (Drawout)	WM2-MIL-VD	23210
3.9	Mechanical Interlock Horizontal (Fixed)	WM2-MIL-HF	19830
3.10	Mechanical Interlock Vertical (Fixed)	WM2-MIL-VF	19830
3.11	Key Lock (1 Lock + 1 Key)	WM2-AKI-AB	3960
3.12	Key Lock (3 Lock + 2 Key)	WM2-AKI-1-AB	4150
3.13	Key Lock (2 Lock + 1 Key)	WM2-AKI-2-AB	3160
3.14	Mechanical operation counter	WM2-ASC-ABC	1820
3.15	Ready to close contact	WM2-RTC-ABC	976

\* in (mm)



# WiNmaster

Air Circuit Breaker, 630A to 4000A

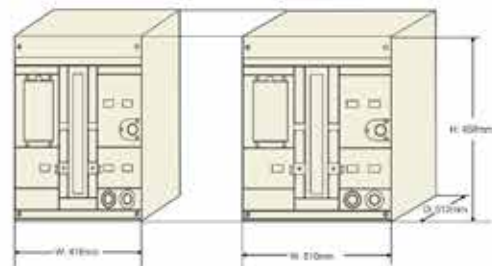
Complete range up to 4000A in just 2 frames having 2 performance levels. For meeting standard application and also industrial application with high short circuit levels.



CE RoHS Compliant

## WM: 400A to 2000A

	Performance levels: 50KA (N)	65KA(S)
WM06A	Available	Available
WM08A	Available	Available
WM10A	Available	Available
WM12A	Available	Available
WM16A	Available	Available
WM20A	Available	Available



## WM: 2000A to 4000A

	Performance levels: 50KA (N)	65KA(S)
WM20B	Not Available	Available
WM25B	Not Available	Available
WM32B	Not Available	Available
WM40B	Not Available	Available

Available Not Available



Micropro 3.1

Micropro 4.1

Micropro 5.1

Micropro 6.1

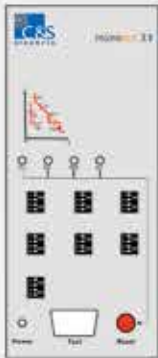
Micropro 7.1

# INTELLIGENT RELEASE

## Micro-pro 3.1

### MicroPro 3.1

- Overload protection
- Short Circuit current protection
- Earth Fault protection
- INST Fault protection



## Micro-pro 4.1 / 5.1

### MicroPro 4.1

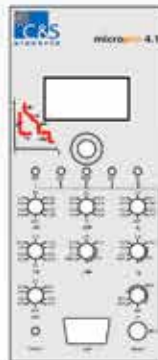
- Overload & Short Circuit protection
- Instantaneous current protection
- Neutral & Ground Fault Protection
- Zone Selectivity, Ampere Meter
- LCD display and fault LED retention in case of power failure
- In-built thermal memory
- Fault type, current and time for last trip event

### MicroPro 5.1

- Overload & Short Circuit protection
- Instantaneous current protection
- Neutral & Ground Fault Protection
- Zone Selectivity, Ampere Meter
- LCD display and fault LED retention in case of power failure
- In-built selective thermal memory
- Fault type, current and time for last 16 trip events

### Communication

- Port: RS485
- Protocol: Modbus



## Micro-pro 6.1 / 7.1

### MicroPro 6.1

- Overload & Short Circuit protection
- Instantaneous current protection
- Neutral & Ground Fault / Leakage Protection
- Various Protection related to voltage, frequency, load and motor
- Zone Selectivity, Measurement of V, I, P, F, KWH, KVArh etc. and also store the maximum value in maximeter

### MicroPro 7.1

- Overload & Short Circuit protection
- Instantaneous current protection
- Neutral & Ground Fault / Leakage Protection
- Various Protection related to voltage, frequency, load and motor
- Zone Selectivity, Measurement of V, I, P, F, KWH, KVArh, Harmonics etc. and also store the maximum value in maximeter

### Communication

- Port: RS485
- Protocol: Modbus/Profitbus/Devicenet



## WiNmaster Air Circuit Breaker

630A-4000A

### Features:

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



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)
<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 4NO+4NC</li> <li>- Main CTs</li> <li>- Terminal Type-Horizontal #</li> <li>- Power Supply Module</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 4NO+4NC</li> <li>- Main CTs</li> <li>- AC/DC Charging Motor</li> <li>- Closing Coil</li> <li>- Shunt Trip</li> <li>- Micro Switches as required for electrical operation</li> <li>- Terminal Type - Horizontal#</li> <li>- Power Supply Module</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 6NO+6NC</li> <li>- Main CTs</li> <li>- Safety Shutter</li> <li>- 36 Way auxiliary isolating contacts</li> <li>- Terminal Type - Horizontal upto 2500A and vertical for 3200/4000A</li> <li>- Power Supply Module</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 6NO+6NC</li> <li>- Main CTs</li> <li>- Safety Shutter</li> <li>- 36 Way auxiliary isolating contacts</li> <li>- AC/DC Charging Motor</li> <li>- Closing Coil</li> <li>- Shunt Trip</li> <li>- Micro Switches as required for electrical operation</li> <li>- Terminal Type-Horizontal up to 2500A and vertical for 3200/4000A</li> <li>- Power Supply Module</li> </ul>

### LT Air Circuit Breaker with Intelligent Release MicroPro 3.1

Fixed 3 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF
630	50kA	WM06N3P*MP3.1(S)	POR	POR
800	50kA	WM08N3P*MP3.1(S)		
1000	50kA	WM10N3P*MP3.1(S)		
1250	50kA	WM12N3P*MP3.1(S)		
1600	50kA	WM16N3P*MP3.1(S)		
2000	50kA	WM20N3P*MP3.1(S)		
630	65kA	WM06S3P*MP3.1(S)	130330	194700
800	65kA	WM08S3P*MP3.1(S)	130330	194310
1000	65kA	WM10S3P*MP3.1(S)	134150	189900
1250	65kA	WM12S3P*MP3.1(S)	154210	209640
1600	65kA	WM16S3P*MP3.1(S)	167130	234020
2000	65kA	WM20S3P*MP3.1(S)	181730	247160
2500	65kA	WM25S3P*MP3.1(S)	223110	288830
3200	65kA	WM30S3P*MP3.1(S)	273590	320260
4000	65kA	WM40S3P*MP3.1(S)	320330	396580

Fixed 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF
630	50kA	WM06N4P*MP3.1(S)	POR	POR
800	50kA	WM08N4P*MP3.1(S)		
1000	50kA	WM10N4P*MP3.1(S)		
1250	50kA	WM12N4P*MP3.1(S)		
1600	50kA	WM16N4P*MP3.1(S)		
2000	50kA	WM20N4P*MP3.1(S)		
630	65kA	WM06S4P*MP3.1(S)	169320	252940
800	65kA	WM08S4P*MP3.1(S)	169320	252940
1000	65kA	WM10S4P*MP3.1(S)	172860	256290
1250	65kA	WM12S4P*MP3.1(S)	196900	267670
1600	65kA	WM16S4P*MP3.1(S)	215260	301390
2000	65kA	WM20S4P*MP3.1(S)	222960	303220
2500	65kA	WM25S4P*MP3.1(S)	288590	373600
3200	65kA	WM30S4P*MP3.1(S)	326490	382180
4000	65kA	WM40S4P*MP3.1(S)	383210	474390

Drawout 3 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MD	*ED
630	50kA	WM06N3P*MP3.1(S)	POR	POR
800	50kA	WM08N3P*MP3.1(S)		
1000	50kA	WM10N3P*MP3.1(S)		
1250	50kA	WM12N3P*MP3.1(S)		
1600	50kA	WM16N3P*MP3.1(S)		
2000	50kA	WM20N3P*MP3.1(S)		
630	65kA	WM06S3P*MP3.1(S)	156650	186690
800	65kA	WM08S3P*MP3.1(S)	156650	186690
1000	65kA	WM10S3P*MP3.1(S)	171700	201740
1250	65kA	WM12S3P*MP3.1(S)	183520	313560
1600	65kA	WM16S3P*MP3.1(S)	203400	233440
2000	65kA	WM20S3P*MP3.1(S)	224990	253450
2500	65kA	WM25S3P*MP3.1(S)	254370	282830
3200	65kA	WM30S3P*MP3.1(S)	309120	337580
4000	65kA	WM40S3P*MP3.1(S)	385470	413920

Drawout 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MD	*ED
630	50kA	WM06N4P*MP3.1(S)	POR	POR
800	50kA	WM08N4P*MP3.1(S)		
1000	50kA	WM10N4P*MP3.1(S)		
1250	50kA	WM12N4P*MP3.1(S)		
1600	50kA	WM16N4P*MP3.1(S)		
2000	50kA	WM20N4P*MP3.1(S)		
630	65kA	WM06S4P*MP3.1(S)	194290	224300
800	65kA	WM08S4P*MP3.1(S)	194290	224300
1000	65kA	WM10S4P*MP3.1(S)	206790	236830
1250	65kA	WM12S4P*MP3.1(S)	221400	251430
1600	65kA	WM16S4P*MP3.1(S)	261890	291930
2000	65kA	WM20S4P*MP3.1(S)	274020	302480
2500	65kA	WM25S4P*MP3.1(S)	316540	345000
3200	65kA	WM30S4P*MP3.1(S)	381890	410340
4000	65kA	WM40S4P*MP3.1(S)	476210	514880

### Price Changes for ACB with high end release w.r.t MicroPro 3.1 ACB

Release	Description		List Price (₹)
Micropro 4.1	LSING, Thermal Memory, ZSI, RS 485 Port, Current Metering	Add	9300
Micropro 5.1	LSING, Selectable Thermal Memory, 16 Fault Tripping History, ZSI, 2 way Communication RS485 Port, Current Metering	Add	13950
Micropro 6.1	LSING, Earth Leakage Protection, Over and Under Protection for Voltage / Frequency, Voltage imbalance, ACB operation cycle counter, ACB contact indication wear, 2 way communication	Add	32550
Micropro 7.1	All features as 6.1, harmonic measures and protection	Add	46500

### Notes:

- 1) In TP ACB if Earth Fault facility is required, please add price of Neutral CTs from item no. 2 on page 14.
- 2) 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
- 3) Other options of terminals are available on request.

## WiNmaster Air Circuit Breaker

**Main Accessories** (Please specify ACB rating & type while placing order)

1. Under Voltage Trip Device			
Sl. No.	Description	Reference	List Price (₹)
1.1	Common for 630-4000A	CS-WM-AUH-V-AB-**	4065

2. Shunt Trip and Closing Coil			
Sl. No.	Description	Reference	List Price (₹)
2.1	Common for 630A-4000A	CS-WM-AVH-S-AB-**	3255
2.2	Common for 630A-4000A	CS-WM-AVH-C-AB-**	

**Code for Coils Voltage							
Description	AC Control Voltage			DC Control Voltage			
	110V	220-250V	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

3. Single Phase Resin Cast CTs - required for ground fault protection with 3 Pole ACB				
Sl. No.	Description	Phase CT	Neutral CT	List Price (₹)
3.1	400/0.2A	CS-WM-CT-04	CS-WM-CT-04-N	2176
3.2	630/0.2A	CS-WM-CT-06	CS-WM-CT-06-N	
3.3	800/0.2A	CS-WM-CT-08	CS-WM-CT-08-N	
3.4	1000/0.2A	CS-WM-CT-10	CS-WM-CT-10 -N	2292
3.5	1250/0.2A	CS-WM-CT-12	CS-WM-CT-12-N	
3.6	1600/0.2A	CS-WM-CT-16	CS-WM-CT-16-N	2390
3.7	2000/0.2A	CS-WM-CT-20	CS-WM-CT-20-N	3045
3.8	2500/0.2A	CS-WM-CT-25	CS-WM-CT-25-N	
3.9	3200/0.2A	CS-WM-CT-32	CS-WM-CT-32-N	3808
3.10	4000/0.2A	CS-WM-CT-40	CS-WM-CT-40-N	5430

Sl. No.	Description	Reference	List Price (₹)
4.1	Lifter (for all sizes of ACBs)	☒ LIFTER (580x600)*	91640
		☒ LIFTER-SPL (690x570)*	100750
4.2	Door Interlock	DOOR-INT-AB	2195

Sl. No.	Description	Suitable for ACB frame size / rating	
		630A~4000A Reference	List Price (₹)
4.3	OCR (Fault) Alarm Switch	WM-ALA-AB	618
4.4	Trip Indication Switch (For manual tripping only)	WM-TIS-AB	
4.5	'Spring Charged' Indication Switch	WM-SCIS-AB	818
4.6	Position Indication Switch (Left Side)	WM-ALB-AB	2013
4.7	Position Indication Switch (Right Side)	WM-ALB-AB-R	
4.8	Mechanical Operation Counter	WM-ASC-AB	1885
4.9	Key Lock (One lock + One key)	WM-AKI-AB	
4.10	Castle Key Lock	WM-CKI-AB	4352
4.11	Key Interlock (Consisting of 3-Key Locks with 2 Keys (same No.) fitted on 3 ACBs)	WM-AKI-1-AB	3870
4.12	Key Interlock (Consisting of 2-Key Locks with 1 Key (same No.) fitted on 2 ACBs)	WM-AKI-2-AB	2940
4.13	MAL Insertion Preventor	WM-MIP-AB	530

\* in (mm)

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	<input type="checkbox"/> 630 A	<input type="checkbox"/> 1000 A	<input type="checkbox"/> 1600 A	<input type="checkbox"/> 2500 A	QTY. (NOS.)	Product Reference	
	<input type="checkbox"/> 800 A	<input type="checkbox"/> 1250 A	<input type="checkbox"/> 2000 A	<input type="checkbox"/> 3200 A			
NO. OF POLES	<input type="checkbox"/> 3 POLE	<input type="checkbox"/> 4 POLE	Breaking capacity				
MOUNTING	<input type="checkbox"/> FIXED		<input type="checkbox"/> DRAWOUT		<input type="checkbox"/> 48 WAY AUX. ISOLATING CONTACT ASSLY. <input type="checkbox"/> POSITION INDICATION SWITCH		
OPERATION	<input type="checkbox"/> MANUAL		<input type="checkbox"/> ELECTRICAL		CLOSING COIL: <input type="checkbox"/> 110V AC <input type="checkbox"/> 220~250V AC <input type="checkbox"/> 415~440V AC <input type="checkbox"/> 24V DC <input type="checkbox"/> 48V DC <input type="checkbox"/> 110V DC <input type="checkbox"/> 220V DC		
					SHUNT TRIP COIL: <input type="checkbox"/> 110V AC <input type="checkbox"/> 220~250V AC <input type="checkbox"/> 415~440V AC <input type="checkbox"/> 24V DC <input type="checkbox"/> 48V DC <input type="checkbox"/> 110V DC <input type="checkbox"/> 220V DC MOTOR: <input type="checkbox"/> 110V AC <input type="checkbox"/> 220V AC <input type="checkbox"/> 110V DC <input type="checkbox"/> 220V DC		
RELEASES	MICROPROCESSOR RELEASE <input type="checkbox"/> MicroPro 3.1 <input type="checkbox"/> MicroPro 4.1 <input type="checkbox"/> MicroPro 5.1 <input type="checkbox"/> MicroPro 6.1 <input type="checkbox"/> MicroPro 7.1 <input type="checkbox"/> COMMUNICATION MODULE* <input type="checkbox"/> COMMUNICATION PROTOCOL <input type="checkbox"/> ModBus <input type="checkbox"/> ProfiBus <input type="checkbox"/> DeviceNet <input type="checkbox"/> BATTERY UNIT* <input type="checkbox"/> POWER SUPPLY & RELAY MODULE*		UNLESS & OTHERWISE SPECIFIED, ALL SETTINGS OF RELEASES WOULD BE SET AT MINIMUM VALUES.		SETTINGS : CT RATING _____ A, SHORT CIRCUIT _____ A, OVERLOAD _____ A, INSTANTANEOUS _____ A, GROUND FAULT _____ A NEUTRAL _____ A,		
ACCESSORIES	<input type="checkbox"/> AUX. SW 4 NO+4 NC		<input type="checkbox"/> AUX. SW 6 NO+6 NC		<input type="checkbox"/> SPRING CHARGE IND. SWITCH		
	<input type="checkbox"/> TRIP IND. SWITCH		<input type="checkbox"/> OCR ALARM SWITCH		<input type="checkbox"/> MECH. OPERATION COUNTER		
<input type="checkbox"/> POSITION IND. SWITCH		<input type="checkbox"/> CASTLE KEYLOCK		<input type="checkbox"/> DOOR INTERLOCK			
<input type="checkbox"/> UVT. <input type="checkbox"/> 110V AC <input type="checkbox"/> 220~250V AC <input type="checkbox"/> 415~440V AC		<input type="checkbox"/> KEY INTERLOCK		<input type="checkbox"/> 1 ACB <input type="checkbox"/> 2 ACBs <input type="checkbox"/> 3 ACBs			
<input type="checkbox"/> 110V DC <input type="checkbox"/> 220V DC							
SPECIAL REQUIREMENT/ ACCESSORIES (IF ANY)							
<b>Notes :</b> (1) Please refer catalogue / Price-List, for further details of Micropro Release. (2) Neutral CT is required alongwith Microprocessor Release having Ground-Fault Protection. This has to be mounted on Earth / Neutral Busbar of Panel. *(220V AC input is required)							



# Air Circuit Breaker AH / AHA

630A~6300A, 3 & 4 Pole

## Salient Features

- Only 4 Frame sizes for entire range (630A~6300A)
- Total breaking time less than 30ms (including arcing time of less than 10ms) & closing time of 40ms.
- Slow closing feature to maintain contact gap of all phases.
- Perfect alignment of contact with guiding feature.
- Making current Release (MCR) to rapidly clear faulty circuit without any time delay.

## Intelligent Protection Release

### Magnetic Trip Device TM

- Direct acting electromagnetic instantaneous trip device with fixed factory setting, settings 3 - 50 kA
- Adjustable overload settings 60% - 100%.
- Provision for remote tripping

### MicroPro 3.1

- Overload protection
- Short Circuit Current protection
- Instantaneous Current protection
- Ground Fault protection

### MicroPro 4.1

- 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
- Fault type, current and time for last trip event

### MicroPro 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 Selective Thermal memory
- Fault type, current and time for last 16 trip events



**RoHS**  
Compliant



## Air Circuit Breaker AH / AHA

630A-6300A

### (I) ACB with Intelligent Release MicroPro 3.1

#### Features:

- LSIG Protection
- True RMS Sensing
- Fault Indication



AH / AHA Breaker 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)
<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 5a 5b i.e. 5NO+5NC</li> <li>- Main CTs</li> <li>- Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> <li>- Rectifier (24V DC supply)</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 5a 5b i.e. 5NO+5NC</li> <li>- Main CTs - AC/DC Charging Motor</li> <li>- Closing Coil - Shunt Trip</li> <li>- Anti-pumping Relay</li> <li>- Micro Switches as required for electrical operation</li> <li>- Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> <li>- Rectifier (24V DC supply)</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 7a 7b i.e. 7NO+7NC</li> <li>- Main CTs</li> <li>- Safety Shutter</li> <li>- 36 way Auxiliary Isolating contacts</li> <li>- Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> <li>- Rectifier (24V DC supply)</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 7a 7b i.e. 7NO+7NC</li> <li>- Main CTs - Safety Shutter</li> <li>- 36 way Auxiliary Isolating contacts</li> <li>- AC/DC Charging Motor</li> <li>- Closing Coil - Shunt Trip</li> <li>- Anti-pumping Relay</li> <li>- Micro Switches as required for electrical operation</li> <li>- Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> <li>- Rectifier (24V DC supply)</li> </ul>

### LT Air Circuit Breaker fitted with Intelligent Release MicroPro 3.1

Fixed 3 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF
630	50kA	AHA06N3P*MP3.1(S)	70220	99190
800	50kA	AHA08N3P*MP3.1(S)	75290	105110
1000	50kA	AHA10N3P*MP3.1(S)	76130	108820
1000	50kA	AH10DCSMP3.1*(S)	POR	POR
1250	50kA	AHA12N3P*MP3.1(S)	98860	127140
1250	50kA	AH12DCSMP3.1*(S)	POR	POR
1600	50kA	AHA16N3P*MP3.1(S)	107620	138290
1600	50kA	AH16DCSMP3.1*(S)	POR	POR
2000	50kA	AHA20N3P*MP3.1(S)	124020	168480
2000	50kA	AH20DCSMP3.1*(S)	POR	POR
2500	50kA	AHA25N3P*MP3.1(S)	142570	190200
2500	50kA	AH25DCSMP3.1*(S)	POR	POR
2000	65kA	AHA20S3P*MP3.1(S)	139470	187180
3200	65kA	AH30DCSMP3.1*(S)	223410	262180
4000	85kA	AH40DCSMP3.1*(S)	359710	391370

Fixed 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF
630	50kA	AHA06N4P*MP3.1(S)	92530	130790
800	50kA	AHA08N4P*MP3.1(S)	98540	134700
1000	50kA	AHA10N4P*MP3.1(S)	101890	138840
1000	50kA	AH10D4CSMP3.1*(S)	POR	POR
1250	50kA	AHA12N4P*MP3.1(S)	130390	164100
1250	50kA	AH12D4CSMP3.1*(S)	POR	POR
1600	50kA	AHA16N4P*MP3.1(S)	140680	176470
1600	50kA	AH16D4CSMP3.1*(S)	POR	POR
2000	50kA	AHA20N4P*MP3.1(S)	166970	210830
2000	50kA	AH20D4CSMP3.1*(S)	POR	POR
2500	50kA	AHA25N4P*MP3.1(S)	194570	237900
2500	50kA	AH25D4CSMP3.1*(S)	POR	POR
2000	65kA	AHA20S4P*MP3.1(S)	187520	231910
3200	65kA	AH30D4CSMP3.1*(S)	280050	321900
4000	85kA	AH40D4CSMP3.1*(S)	428830	490260

Drawout 3 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MD	*ED
630	50kA	AHA06N3P*MP3.1(S)	104250	138590
800	50kA	AHA08N3P*MP3.1(S)	110490	140150
1000	50kA	AHA10N3P*MP3.1(S)	118440	145510
1000	50kA	AH10DCSMP3.1*(S)	POR	POR
1250	50kA	AHA12N3P*MP3.1(S)	133180	154630
1250	50kA	AH12DCSMP3.1*(S)	POR	POR
1600	50kA	AHA16N3P*MP3.1(S)	150200	180450
1600	50kA	AH16DCSMP3.1*(S)	POR	POR
2000	50kA	AHA20N3P*MP3.1(S)	179680	211370
2000	50kA	AH20DCSMP3.1*(S)	POR	POR
2500	50kA	AHA25N3P*MP3.1(S)	217060	243060
2500	50kA	AH25DCSMP3.1*(S)	POR	POR
2000	65kA	AHA20S3P*MP3.1(S)	207710	244150
3200	65kA	AHA30S3P*MP3.1(S)	289600	311880
3200	65kA	AH30DCSMP3.1*(S)	POR	POR
4000	65kA	AHA40S3P*MP3.1(S)	370910	395820
4000	85kA	AH40DCSMP3.1*(S)	400850	419370
5000	85kA	AH50CCSMP3.1*(S)	POR	POR
6300	100kA	AH60CCSMP3.1*(S)	POR	POR

Drawout 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MD	*ED
630	50kA	AHA06N4P*MP3.1(S)	139040	175510
800	50kA	AHA08N4P*MP3.1(S)	149170	181720
1000	50kA	AHA10N4P*MP3.1(S)	152490	188160
1000	50kA	AH10D4CSMP3.1*(S)	POR	POR
1250	50kA	AHA12N4P*MP3.1(S)	179880	206930
1250	50kA	AH12D4CSMP3.1*(S)	POR	POR
1600	50kA	AHA16N4P*MP3.1(S)	196070	226600
1600	50kA	AH16D4CSMP3.1*(S)	POR	POR
2000	50kA	AHA20N4P*MP3.1(S)	243570	269770
2000	50kA	AH20D4CSMP3.1*(S)	POR	POR
2500	50kA	AHA25N4P*MP3.1(S)	279430	314890
2500	50kA	AH25D4CSMP3.1*(S)	POR	POR
2000	65kA	AHA20S4P*MP3.1(S)	273390	308350
3200	65kA	AHA30S4P*MP3.1(S)	353060	375080
3200	65kA	AH30D4CSMP3.1*(S)	POR	POR
4000	65kA	AHA40S4P*MP3.1(S)	446440	467370
4000	85kA	AH40D4CSMP3.1*(S)	484720	504990
5000	85kA	AH50C4CSMP3.1*(S)	POR	POR
6300	100kA	AH60C4CSMP3.1*(S)	POR	POR

#### Notes:

- 1) In TP ACB if Earth Fault facility is required, add price of Neutral CTs from item no. 4.1 on page 22.
- 2) 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
- 3) Drawout type ACB with vertical terminal (factory fitted only) is available in ratings 8D-16D/06N-20S (AHA)
- 4) Fixed type ACB with vertical terminal adapter option is available in rating 8D-16D/06N-20S (AHA). For further detail, please refer item No. 32 on page 24.



## Air Circuit Breaker AH / AHA

630A-6300A

### (II) 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

AH / AHA Breaker 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)
<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 5a 5b i.e 5NO+5NC</li> <li>- Main CTs</li> <li>- Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> <li>- Power Supply Module</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 5a5b i.e. 5NO+5NC</li> <li>- Main CTs</li> <li>- AC/DC Charging Motor</li> <li>- Closing Coil</li> <li>- Shunt Trip</li> <li>- Anti-pumping Relay</li> <li>- Micro Switches as required for electrical operation</li> <li>- Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> <li>- Power Supply Module</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 7a 7b i.e. 7NO+7NC</li> <li>- Main CTs</li> <li>- Safety Shutter</li> <li>- Main CTs</li> <li>- Safety Shutter</li> <li>- 36 way Auxiliary Isolating contacts</li> <li>• Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> <li>- Power Supply Module</li> </ul>	<ul style="list-style-type: none"> <li>- Microprocessor Release</li> <li>- Auxiliary Switch 7a 7b i.e. 7 NO+7 NC</li> <li>- Main CTs - Safety Shutter</li> <li>- 36 way Auxiliary Isolating contacts</li> <li>- AC/DC Charging Motor</li> <li>- Closing Coil - Shunt Trip</li> <li>- Anti-pumping Relay</li> <li>- Micro Switches as required for electrical operation</li> <li>• Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> <li>- Power Supply Module</li> </ul>

### LT Air Circuit Breaker fitted with Intelligent Release MicroPro 4.1

Fixed 3 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF
630	50kA	☒ AHA06N3P*MP4.1(S)	79530	108490
800	50kA	☒ AHA08N3P*MP4.1(S)	84990	114410
1000	50kA	☒ AHA10N3P*MP4.1(S)	85430	118120
1000	50kA	☒ AH10DCSMP4.1*(S)	POR	POR
1250	50kA	☒ AHA12N3P*MP4.1(S)	108160	132810
1250	50kA	☒ AH12DCSMP4.1*(S)	POR	POR
1600	50kA	☒ AHA16N3P*MP4.1(S)	116920	147590
1600	50kA	☒ AH16DCSMP4.1*(S)	POR	POR
2000	50kA	☒ AHA20N3P*MP4.1(S)	133320	177780
2000	50kA	☒ AH20DCSMP4.1*(S)	POR	POR
2500	50kA	☒ AHA25N3P*MP4.1(S)	153730	201360
2500	50kA	☒ AH25DCSMP4.1*(S)	POR	POR
2000	65kA	☒ AHA20S3P*MP4.1(S)	148770	196480
3200	65kA	☒ AH30DCSMP4.1*(S)	237360	276130
4000	85kA	☒ AH40DCSMP4.1*(S)	373660	405320

Fixed 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF
630	50kA	☒ AHA06N4P*MP4.1(S)	101830	140090
800	50kA	☒ AHA08N4P*MP4.1(S)	107840	144000
1000	50kA	☒ AHA10N4P*MP4.1(S)	111190	148140
1000	50kA	☒ AH10D4CSMP4.1*(S)	POR	POR
1250	50kA	☒ AHA12N4P*MP4.1(S)	139690	173400
1250	50kA	☒ AH12D4CSMP4.1*(S)	POR	POR
1600	50kA	☒ AHA16N4P*MP4.1(S)	149980	185770
1600	50kA	☒ AH16D4CSMP4.1*(S)	POR	POR
2000	50kA	☒ AHA20N4P*MP4.1(S)	176270	220130
2000	50kA	☒ AH20D4CSMP4.1*(S)	POR	POR
2500	50kA	☒ AHA25N4P*MP4.1(S)	205730	249060
2500	50kA	☒ AH25D4CSMP4.1*(S)	POR	POR
2000	65kA	☒ AHA20S4P*MP4.1(S)	196820	241210
3200	65kA	☒ AH30D4CSMP4.1*(S)	294900	335850
4000	85kA	☒ AH40D4CSMP4.1*(S)	442780	504210

Drawout 3 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MD	*ED
630	50kA	AHA06N3P*MP4.1(S)	113550	147890
800	50kA	AHA08N3P*MP4.1(S)	119790	149450
1000	50kA	AHA10N3P*MP4.1(S)	127740	154810
1000	50kA	AH10DCSMP4.1*(S)	POR	POR
1250	50kA	AHA12N3P*MP4.1(S)	142880	166740
1250	50kA	AH12DCSMP4.1*(S)	POR	POR
1600	50kA	AHA16N3P*MP4.1(S)	159500	189750
1600	50kA	AH16DCSMP4.1*(S)	POR	POR
2000	50kA	AHA20N3P*MP4.1(S)	188980	220670
2000	50kA	AH20DCSMP4.1*(S)	POR	POR
2500	50kA	AHA25N3P*MP4.1(S)	228220	254220
2500	50kA	AH25DCSMP4.1*(S)	POR	POR
2000	65kA	AHA20S3P*MP4.1(S)	217010	253450
3200	65kA	AHA30S3P*MP4.1(S)	300760	323040
3200	65kA	AH30DCSMP4.1*(S)	POR	POR
4000	65kA	☒ AHA40S3P*MP4.1(S)	384860	409770
4000	85kA	☒ AH40DCSMP4.1*(S)	414800	433320
5000	85kA	☒ AH50CCSMP4.1*(S)	POR	POR
6300	100kA	☒ AH60CCSMP4.1*(S)	POR	POR

Drawout 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MD	*ED
630	50kA	AHA06N4P*MP4.1(S)	148340	184800
800	50kA	AHA08N4P*MP4.1(S)	158470	191020
1000	50kA	AHA10N4P*MP4.1(S)	161790	197460
1000	50kA	AH10D4CSMP4.1*(S)	POR	POR
1250	50kA	AHA12N4P*MP4.1(S)	189180	216230
1250	50kA	AH12D4CSMP4.1*(S)	POR	POR
1600	50kA	AHA16N4P*MP4.1(S)	205370	235900
1600	50kA	AH16D4CSMP4.1*(S)	POR	POR
2000	50kA	AHA20N4P*MP4.1(S)	252870	279070
2000	50kA	AH20D4CSMP4.1*(S)	POR	POR
2500	50kA	AHA25N4P*MP4.1(S)	290590	326020
2500	50kA	AH25D4CSMP4.1*(S)	POR	POR
2000	65kA	AHA20S4P*MP4.1(S)	282690	317650
3200	65kA	AHA30S4P*MP4.1(S)	364220	386240
3200	65kA	AH30D4CSMP4.1*(S)	POR	POR
4000	65kA	☒ AHA40S4P*MP4.1(S)	460390	481320
4000	85kA	☒ AH40D4CSMP4.1*(S)	498670	518940
5000	85kA	☒ AH50C4CSMP4.1*(S)	POR	POR
6300	100kA	☒ AH60C4CSMP4.1*(S)	POR	POR

### Price Changes for ACB with high end release w.r.t MicroPro 4.1 ACB

Release	Description		List Price (₹)
Micropro 5.1	LSING, Selectable Thermal Memory, 16 Fault Tripping History, ZSI, 2 way Communication RS485 Port, Current Metering	Add	5000

#### Notes:

- 1) In TP ACB if Earth Fault facility is required, add price of Neutral CTs from item no. 4.1 on page 22.
- 2) 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
- 3) Drawout type ACB with vertical terminal (factory fitted only) is available in ratings 8D-16D/06N-20S (AHA)
- 4) If ACB with communication is required, please refer item no. 22, 23 & 24 on page 24.

## Air Circuit Breaker AH / AHA

630A-6300A

(III) ACB with Thermal Magnetic Release

AH / AHA Breaker 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)
<ul style="list-style-type: none"> <li>- Thermal Magnetic Release</li> <li>- Auxiliary Switch 5a 5b.i.e 5NO+5NC</li> <li>- Main CTs</li> <li>- Shunt Trip</li> <li>- Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> </ul>	<ul style="list-style-type: none"> <li>- Thermal Magnetic Release</li> <li>- Auxiliary Switch 5a 5b.i.e 5NO+5NC</li> <li>- Main CTs</li> <li>- AC/DC Charging Motor</li> <li>- Closing Coil</li> <li>- Anti-pumping Relay</li> <li>- Micro Switches as required for electrical operation</li> <li>- Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> </ul>	<ul style="list-style-type: none"> <li>- Thermal Magnetic Release</li> <li>- Auxiliary Switch 5a 5b.i.e 5NO+5NC</li> <li>- Main CTs</li> <li>- Safety Shutter</li> <li>- 24 way Auxiliary Isolating contacts</li> <li>- Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> </ul>	<ul style="list-style-type: none"> <li>- Thermal Magnetic Release</li> <li>- Auxiliary Switch 7a 7b.i.e 7NO+7NC</li> <li>- Main CTs</li> <li>- Safety Shutter</li> <li>- 36 way Auxiliary Isolating contacts</li> <li>- AC/DC Charging Motor</li> <li>- Closing Coil</li> <li>- Shunt Trip</li> <li>- Anti-pumping Relay</li> <li>- Micro Switches as required for operation</li> <li>- Terminal Type - Horizontal upto 2500A &amp; Vertical for 3200A-6300A</li> </ul>

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	List Price (₹)	
			*MF	*EF
630	50kA	AHA06N3P*TM(S)	62430	93750
800	50kA	AHA08N3P*TM(S)	66890	104090
1000	50kA	AHA10N3P*TM(S)	68570	104700
1000	50kA	AH10DCSTM*(S)	POR	POR
1250	50kA	AHA12N3P*TM(S)	95250	127440
1250	50kA	AH12DCSTM*(S)	POR	POR
1600	50kA	AHA16N3P*TM(S)	98800	136780
1600	50kA	AH16DCSTM*(S)	POR	POR
2000	50kA	AHA20N3P*TM(S)	115080	162700
2000	50kA	AH20DCSTM*(S)	POR	POR
2500	50kA	AHA25N3P*TM(S)	129000	184650
2500	50kA	AH25DCSTM*(S)	POR	POR
2000	65kA	AHA20S3P*TM(S)	127090	183990
3200	65kA	AH30DCSTM*(S)	215370	257620
4000	85kA	AH40DCSTM*(S)	333540	374660

Fixed 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF
630	50kA	AHA06N4P*TM(S)	83890	116020
800	50kA	AHA08N4P*TM(S)	90410	121690
1000	50kA	AHA10N4P*TM(S)	91990	127000
1000	50kA	AH10D4CSTM*(S)	POR	POR
1250	50kA	AHA12N4P*TM(S)	118230	153430
1250	50kA	AH12D4CSTM*(S)	POR	POR
1600	50kA	AHA16N4P*TM(S)	128050	167900
1600	50kA	AH16D4CSTM*(S)	POR	POR
2000	50kA	AHA20N4P*TM(S)	157380	194730
2000	50kA	AH20D4CSTM*(S)	POR	POR
2500	50kA	AHA25N4P*TM(S)	180900	219170
2500	50kA	AH25D4CSTM*(S)	POR	POR
2000	65kA	AHA20S4P*TM(S)	176370	214270
3200	65kA	AH30D4CSTM*(S)	269350	307470
4000	85kA	AH40D4CSTM*(S)	395050	456000

Drawout 3 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MD	*ED
630	50kA	AHA06N3P*TM(S)	100570	136770
800	50kA	AHA08N3P*TM(S)	107380	140890
1000	50kA	AHA10N3P*TM(S)	109950	142670
1000	50kA	AH10DCSTM*(S)	POR	POR
1250	50kA	AHA12N3P*TM(S)	132680	161010
1250	50kA	AH12DCSTM*(S)	POR	POR
1600	50kA	AHA16N3P*TM(S)	150340	180660
1600	50kA	AH16DCSTM*(S)	POR	POR
2000	50kA	AHA20N3P*TM(S)	178740	208190
2000	50kA	AH20DCSTM*(S)	POR	POR
2500	50kA	AHA25N3P*TM(S)	213640	243850
2500	50kA	AH25DCSTM*(S)	POR	POR
2000	65kA	AHA20S3P*TM(S)	202770	243210
3200	65kA	AHA30S3P*TM(S)	275650	304640
3200	65kA	AH30DCSTM*(S)	POR	POR
4000	65kA	AHA40S3P*TM(S)	365090	393530
4000	85kA	AH40DCSTM*(S)	382850	416760
5000	85kA	AH50CCSTM*(S)	POR	POR
6300	100kA	AH60CCSTM*(S)	POR	POR

Drawout 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MD	*ED
630	50kA	AHA06N4P*TM(S)	127480	168930
800	50kA	AHA08N4P*TM(S)	132680	175380
1000	50kA	AHA10N4P*TM(S)	139030	177560
1000	50kA	AH10D4CSTM*(S)	POR	POR
1250	50kA	AHA12N4P*TM(S)	170210	198240
1250	50kA	AH12D4CSTM*(S)	POR	POR
1600	50kA	AHA16N4P*TM(S)	186990	215440
1600	50kA	AH16D4CSTM*(S)	POR	POR
2000	50kA	AHA20N4P*TM(S)	230880	250870
2000	50kA	AH20D4CSTM*(S)	POR	POR
2500	50kA	AHA25N4P*TM(S)	268950	298980
2500	50kA	AH25D4CSTM*(S)	POR	POR
2000	65kA	AHA20S4P*TM(S)	267260	303050
3200	65kA	AHA30S4P*TM(S)	343960	373520
3200	65kA	AH30D4CSTM*(S)	POR	POR
4000	65kA	AHA40S4P*TM(S)	444720	469970
4000	85kA	AH40D4CSTM*(S)	461940	497710
5000	85kA	AH50C4CSTM*(S)	POR	POR
6300	100kA	AH60C4CSTM*(S)	POR	POR

- Notes:**
- 1) While ordering an ACB without Over Current Release, Shunt trip & Main CTs, please deduct (₹) 3500 for 630-1600A; (₹) 5000 for 2000A; (₹) 6000 for 2500 - 3200A & (₹) 7000 for 4000A from the prices listed above. Shunt trip will be standard in electrical ACB without release as well.
  - 2) In TP ACB if Earth Fault facility is required, add prices of Earth Fault Relay from item no. 2 on page 21 & item No. 4.2 on page 22
  - 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) Drawout type ACB with vertical terminal (factory fitted only) is available in ratings 6D-16D/08N-20S(AHA)

## Air Circuit Breaker (B-Type)

630A-2000A

- Auxiliary Switch 1NO\*
- Main CTs
- Shunt Trip

\*Auxiliary Switch with other combination is also available. See item No. 6.1 & 6.2 only on page 20.



Manual Fixed, 3 Pole with Thermal Magnetic Release			
Rating (Amps)	Breaking Capacity I <sub>cu</sub> =I <sub>cs</sub> =I <sub>cw</sub> (1sec)	Reference	List Price (₹)
			MF
630	50kA	AH06BCSTM*(S)	56390
800	50kA	AH08BCSTM*(S)	56520
1000	50kA	AH10BCSTM*(S)	57040
1250	50kA	AH12BCSTM*(S)	65880
1600	50kA	AH16BCSTM*(S)	79240
2000	50kA	AH20BCSTM*(S)	87160

Manual Fixed, 3 Pole with Intelligent Release MicroPro 3.1			
Rating (Amps)	Breaking Capacity I <sub>cu</sub> =I <sub>cs</sub> =I <sub>cw</sub> (1sec)	Reference	List Price (₹)
			MF
630	50kA	AH06BCSMP3.1*(S)	59340
800	50kA	AH08BCSMP3.1*(S)	61770
1000	50kA	AH10BCSMP3.1*(S)	65900
1250	50kA	AH12BCSMP3.1*(S)	86050
1600	50kA	AH16BCSMP3.1*(S)	98230
2000	50kA	AH20BCSMP3.1*(S)	107070

## Main Accessories -AH / AHA

(Please specify ACB rating & type while placing order)

Sl. No.	Description	Reference	List Price (₹)
1.0	Earth Fault Relay for 6D-60C / 06N-40S	CS-EFR	4185

### 2. Earth Fault Relay (for ACB with thermal release)

Sl. No.	EFR with NCT and Wiring Bunch for 3Pole Breaker			EFR with Wiring Bunch for 4Pole Breaker	
	Description	Reference	List Price (₹)	Reference	List Price (₹)
2.1	06D/06N	CS-EFR-06D3P	5970	CS-EFR-06D4P	4015
2.2	08D/08N	CS-EFR-08D3P	5970	CS-EFR-08D4P	
2.3	10D/10N	CS-EFR-10D3P	5970	CS-EFR-10D4P	
2.4	12D/12N	CS-EFR-12D3P	5970	CS-EFR-12D4P	
2.5	16D/16N	CS-EFR-16D3P	5970	CS-EFR-16D4P	
2.6	20N/20S	CS-EFR-20N3P	5970	CS-EFR-20N4P	
2.7	20D	CS-EFR-20D3P	6940	CS-EFR-20D4P	4195
2.8	25D/25N	CS-EFR-25D3P	6940	CS-EFR-25D4P	
2.9	30S	CS-EFR-30S3P	6940	CS-EFR-30S4P	
2.10	30D	CS-EFR-30D3P	6940	CS-EFR-30D4P	
2.11	40S	CS-EFR-40S3P	6940	CS-EFR-40S4P	4285
2.12	40D	CS-EFR-40D3P	9450	CS-EFR-40D4P	
2.13	50C	CS-EFR-50C3P	POR	CS-EFR-50C4P	POR
2.14	60C	CS-EFR-60C3P	POR	CS-EFR-60C4P	POR



### 3. FRP Safety Shutter Assembly

Sl. No.	Description	Reference	List Price (₹)
3.1	For 6D-16D / 06N-16N, 3 Pole	ASH-1	1800
	For 6D-16D / 06N-16N, 4 Pole	ASH-1 (4P)	2325
3.2	For 20N / 20S, 3 Pole	ASH-1-20N/S (3P)	1895
	For 20N / 20S, 4 Pole	ASH-1-20N/S (4P)	2420
3.3	For 20D-25D/30S, 3 Pole	ASH-2	2060
	For 20D-25D/30S, 4 Pole	ASH-2 (4P)	2685
3.4	For 30D/40S, 3 Pole	ASH-3	2808
	For 30D/40S, 4 Pole	ASH-3 (4P)	4015
3.5	For 40D, 3 Pole	ASH-4	3435
	For 40D, 4 Pole	ASH-4 (4P)	4495
3.6	For 50C / 60C, 3 Pole	ASH-5	POR
	For 50C / 60C, 4 Pole	ASH-5 (4P)	POR



**4.1 Single Phase Resin Cast CTs for "AH/AHA" ACB for MicroPro 3.1, 4.1 & 5.1 Release** -1CT 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	List Price (₹)
4.1.1	-	100/0.2A	CS-WMCT-014	CS-ATBWM-010	2110
4.1.2	-	200/0.2A	CS-WMCT-02	CS-ATBWM-02	
4.1.3	-	250/0.2A	CS-WMCT-024	CS-ATBWM-024	
4.1.4	-	300/0.2A	CS-WMCT-034	CS-ATBWM-030	
4.1.5	-	400/0.2A	CS-WMCT-044	CS-ATBWM-040	
4.1.6	6D / 06N	630/0.2A	CS-WMCT-064	CS-ATBWM-060	
4.1.7	8D/08N	800/0.2A	CS-WMCT-084	CS-ATBWM-080	2215
4.1.8	10D/10N	1000/0.2A	CS-WMCT-104	CS-ATBWM-110	
4.1.9	12D / 12N	1250/0.2A	CS-WMCT-124	CS-ATBWM-120	
4.1.10	16D / 16N	1600/0.2A	CS-WMCT-164	CS-ATBWM-160	2965
4.1.11	20N/20S	2000/0.2A	CS-WMCT-220	CS-ATBWM-220	
4.1.12	20D	2000/0.2A	CS-ATBWM-220	CS-ATBWM-220	
4.1.13	25D / 25N	2500/0.2A	CS-ATBWM-225	CS-ATBWM-225	3700
4.1.14	30S	3200/0.2A	CS-ATBWM-2532	CS-ATBWM-332	
4.1.15	30D	3200/0.2A	CS-ATBWM-332	CS-ATBWM-332	
4.1.16	40S / 40D	4000/0.2A	CS-ATBWM-440	CS-ATBWM-440	5290
4.1.17	50C	5000/0.2A	CS-ATBWM-550	CS-ATBWM-554	POR
4.1.18	60C	6300/0.2A	CS-ATBWM-660	CS-ATBWM-664	



**4.2 Single Phase Resin Cast CTs for "AH/AHA" ACB for Thermal 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	List Price (₹)
4.2.1		100/5A	CS-ATB-014	CS-ATB-010	1950
4.2.2		200/5A	CS-ATB-020	CS-ATB-020N	
4.2.2	-	250/5A	CS-ATB-024	CS-ATB-020	
4.2.4		300/5A	CS-ATB-034	CS-ATB-030	
4.2.5	-	400/5A	CS-ATB-044	CS-ATB-040	
4.2.6	6D / 06N	630/5A	CS-ATB-064	CS-ATB-060	
4.2.7	8D/08N	800/5A	CS-ATB-084	CS-ATB-080	2000
4.2.8	10D/10N	1000/5A	CS-ATB-104	CS-ATB-110	
4.2.9	12D / 12N	1250/5A	CS-ATB-134	CS-ATB-120	
4.2.10	16D / 16N	1600/5A	CS-ATB-164	CS-ATB-160	2330
4.2.11	20N/20S	2000/5A	CS-ATB-220	CS-ATB-220	2675
4.2.12	20D	2000/5A	CS-ATB-220	CS-ATB-220	
4.2.13	25D / 25N	2500/5A	CS-ATB-225	CS-ATB-225	1975
4.2.14	30S	3200/5A	CS-ATB-2532	CS-ATB-332	3440
4.2.15	30D	3200/5A	CS-ATB-332	CS-ATB-332	
4.2.16	40S / 40D	4000/5A	CS-ATB-440	CS-ATB-440	4910
4.2.17	50C	5000/5A	CS-ATB-554	CS-ATB-550	POR
4.2.18	60C	5000/5A	CS-ATB-664	CS-ATB-660	

**5. Auxiliary Isolating Contact Assembly**

Sl. No.	Description	Reference	List Price (₹)	
5.1	24 way 6D-16D/06N-20S, 3P 6D-16D/06N-20S, 4P 20D-25D/25N-30S, 3P 20D-25D/25N-30S, 4P 30D-40D/40S, 3P 30D-40D/40S, 4P 50C-60C, 3P 50C-60C, 4P	Set of two contact block on ACB Side & four block on Cradle side	CS-AIH-2-116 CS-AIH-2-116 (4P) CS-AIH-2-220 CS-AIH-2-220 (4P) CS-AIH-2-320 CS-AIH-2-320 (4P) CS-AIH-2-440 CS-AIH-2-440 (4P)	2620
5.2	36 way 6D-16D/06N-20S, 3P 6D-16D/06N-20S, 4P 20D-25D/25N-30S, 3P 20D-25D/25N-30S, 4P 30D-40D/40S, 3P 30D-40D/40S, 4P 50C-60C, 3P 50C-60C, 4P	Set of three contact block on ACB Side & six block on Cradle side	CS-AIH-3-116 CS-AIH-3-116 (4P) CS-AIH-3-220 CS-AIH-3-220 (4P) CS-AIH-3-320 CS-AIH-3-320 (4P) CS-AIH-3-440 CS-AIH-3-440 (4P)	8040

## Main Accessories For "AH/AHA" ACB

(Please specify ACB rating & type while placing orders)



### 6. Auxiliary Switch

Sl. No.	Description	Reference	List Price (₹)
6.1	5 way (3NO+2NC)	6D-16D/06N-20S	CS-AXH-3A2B-116
		20D-40D/25N-40S	CS-AXH-3A2B-220
6.2	10 way (5NO+5NC)	6D-16D/08N-20S	CS-AXH-5A5B-116
		20D-40D/25N-40S / 50C-60C	CS-AXH-5A5B-220
6.3	14 way (7NO+7NC)	6D-16D/06N-20S	CS-AXH-7A7B-116
		20D-40D/25N-40S / 50C-60C	CS-AXH-7A7B-220



### 7. UVT Device

Sl. No.	Description	Reference	List Price (₹)
7.1	Compact UVT Coil 6D-16D/06N-20S	CS-AUH-V-A-**	3560
7.2	20D-40D/25N-40S / 50C-60C	CS-AUH-V-B-**	



### 8. Shunt Trip and Closing Coil

Sl. No.	Description	Reference	List Price (₹)
8.1	Shunt Trip 6D-16D/06N-20S	CS-AVH-S-116-**	1980
	20D-40D/25N-40S/50C-60C	CS-AVH-S-220-**	
8.2	Closing Coil 6D-16D/06N-20S	CS-AVH-C-116-**	1980
	20D-40D/25N-40S/ 50C-60C	CS-AVH-C-220-**	

\*\*Please specify voltage while ordering

### \*\*Options for Coils Voltage

Description	AC Control Voltage			DC Control Voltage			
	100~130V	220~250V	380~440V	24V	48V	100~130V	220~250V
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/ 06N-20S Reference	List Price (₹)	20D-40D/ 25S-40S / 50C-60C Reference	List Price (₹)
9	OCR (Fault) Alarm Switch (for fault indication in ACB with MP & TM release)	ALA-1	605	ALA-2	605
10	Trip Indication Switch (For both manual and Fault indication in ACB)	TIS -1		TIS-2	
11	Spring Charged Indication Switch	SCIS-M	790	SCIS-M2	790
12	Position Indication Switch (Right side)	ALB-4P-1	1960	ALB-IP-2	1960
13	Position Indication Switch (Left side)	ALB-FR-1-L	1960	ALB-FR-2-L	1960
14	Mechanical operation counter	ASC-1	1820	ASC-2	1820
15	Key Lock (One lock + One key)	AK1-116D	1375	AKI-2D	1375
16	Castle Key Lock-3 Pole	CKI-116 (3P)	4225	CKI-220 (3P)	4225
	Castle Key Lock-4 Pole	CKI-116 (4P)	4225	CKI-220 (4P)	4225
17	Key Interlock (Consisting of 3-Key Locks with 2 Keys (same No.) fitted on 3 ACBs)	AKI-1-1	3750	AKI-1-2	3750
18	Key Interlock (Consisting of 2-Key Locks with 1 Key (same No.) fitted on 2 ACBs)	AKI-2-1	2860	AKI-2-2	2860
19	Short Circuit Contact for Shunting Auxiliary Isolating Contacts when ACB withdrawn	SCC	335	SCC	335
20	Rectifier Unit input 240V AC/ output 24V DC, used for Fault LED Retention	ARO-1BMA	1960	ARO-1BMA	1960
21	Mal Insertion Preventor	MIP-NPCIL	485	MPI-2-NPCL	485

## Spares For "AH / AHA" ACB

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

Sl. No.	Description	Reference	List Price (₹)
22	Communication Module for Micropro 4.1 & 5.1 Release	CSPSCM-MICROPRO	14945
23	Power Supply Module	CSPSM-MICROPRO	7450
24	Battery Module for MicroPro 4.1 & 5.1 Release	CS-MPBU4.1.1	7450

Sl. No.	Description	Suitable for ACB frame size / rating					
		6D-16D/ 08N-20S (AHA) Reference		List Price (₹)	20D-25D / 25N-30S Reference		List Price (₹)
		3 Pole	4 Pole				
25	Mechanical Interlock (Fixed Vertical)	MIL-16D3P-VF	MIL-16D4P-VF	7435	MIL-20D3P-VF/4P	MIL-20D4P-VF	7190
26	Mechanical Interlock (Fixed Horizontal)	MIL-16D3P-HF	MIL-16D4P-HF	7435	MIL-20D3P-HF/4P	MIL-20D4P-HF	7190
27	Mechanical Interlock (D/o Vertical)	MIL-16D4P-VDO	MIL-16D3P-VDO	10500	MIL-20D3P-VDO/4P	MIL-20D4P-VDO	10155
28	Mechanical Interlock (D/o Horizontal)	MIL-16D3P-HDO	MIL-16D4P-HDO	10500	MIL-20D3P-HDO/4P	MIL-20D4P-HDO	10155

Sl. No.	For Air Circuit Breaker	Reference	List Price (₹)
29	Lifter (for all sizes of ACBs)	<input checked="" type="checkbox"/> LIFTER (580x600)*	91640
		<input checked="" type="checkbox"/> LIFTER-SPL (690x570)*	100750
30	Door Interlock 6D-16D / 06N-20S (Right side)	DOOR-INT-116	2030
31	Door Interlock (20D-40D) / 25N-40S (Left side)	DOOR-INT-116 (LH)	

Sl. No. 26, 27 & 28, 30 will be supplied only factory fitted. These can not be fitted at site thus always order with ACB only. \* in (mm)

### 32. Vertical Terminal Adapter for AH/AHA Fixed type ACB

Sl. No.	Description	Reference	Qty. Required Per Pole*	List Price (₹)
32.1	06N-10N	<input checked="" type="checkbox"/> CUADPTR-VC(6D-8D)	1	3720
32.2	10D-12D & 12N	<input checked="" type="checkbox"/> CUADPTR-VC(10D-12D)	1	4545
32.3	16D & 16N-20S	<input checked="" type="checkbox"/> CUADPTR-VC(16D)	1	5485
32.4	20D-25D & 25N	<input checked="" type="checkbox"/> CUADPTR-VC(20D-25D)	1	12100

### 33. Drawout Mould Base (Cradle Side)

For ACB Rating	Reference	Qty. Required Per Pole*	List Price (₹)
6D-16D/08N-20S (AHA)	<input checked="" type="checkbox"/> DRMOULD-20S	2	975
20D	<input checked="" type="checkbox"/> DRMOULD-20D	2	1108
25D/30S (AHA)	<input checked="" type="checkbox"/> DRMOULD-25D	2	1360
30D/40S (AHA)	<input checked="" type="checkbox"/> DRMOULD-30D	1	2740
40D	<input checked="" type="checkbox"/> DRMOULD-40D	1	2835
50C-60C	<input checked="" type="checkbox"/> DRMOULD-60C	1	POR

### 34. Arcing Contacts (Set of 1 No. Fixed 1 No. Moving)

For ACB Rating	Reference	Qty. Required Per Pole*	List Price (₹)
6D-8D / 06N-10N	CS-ARCCONT-08D	1	3060
10D-12D / 12N	CS-ARCCONT-12D	1	3115
16D / 16N	CS-ARCCONT-16D	1	3340
20N (Fixed ACB)	CS-ARCCONT-20N	1	3430
20N / 20S (Drawout ACB)	CS-ARCCONT-20S	1	3580
20D	CS-ARCCONT-20D	1	7115
25D / 25N-30S	CS-ARCCONT-25D	1	7190
30D/40S	CS-ARCCONT-30D	1	7360
40D	CS-ARCCONT-40D	1	8520
50C	CS-ARCCONT-50C	1	POR
60C	CS-ARCCONT-60C	1	POR

Note: \*M - Moving, F - Fixed



## Spares For "AH/AHA" ACB

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

35. Main Isolating Contacts (Jaw Contacts)			
For ACB Rating	Reference	Qty. Required Per Pole	Price (₹)*
06N-08N / 10N	CS-MIC-08D(50k)	2	6045
10D-12D / 12N	CS-MIC-12D	2	6045
16D / 16N	CS-MIC-16D	2	6315
20N / 20S	CS-MIC-20S	2	7980
20D	CS-MIC-20D	2	14450
25D / 25N-30S	CS-MIC-25D	2	15390
30D / 40S	CS-MIC-30D	2	24875
40D	CS-MIC-40D	2	29840
50C	CS-MIC-50C	2	POR
60C	CS-MIC-60C	2	POR

\*Prices for 2 Nos.

36. Main Fixed Contacts (Upper Terminals)			
For ACB Rating	Reference	Qty. Required Per Pole*	List Price (₹)
06N-10N	FIXCONT-08N	1	5645
10D-12D / 12N	FIXCONT-10D-12D	1	5830
16D / 16N	FIXCONT-16D	1	8110
20N(AHA)-Fixed type ACB	FIXCONT-20N	1	8295
20N(AHA)-/20S Drawout ACB	FIXCONT-20S	1	8450
20D	FIXCONT-20D	1	8780
25D / 25N-30S	FIXCONT-25D	1	14550
30D/40S	FIXCONT-30D	1	34420
40D	FIXCONT-40D	1	29500
50C	FIXCONT-50C	1	POR
60C	FIXCONT-60C	1	POR

37. Lower Terminals with fitting plates			
For ACB Rating	Reference	Qty. Required Per Pole*	List Price (₹)
6D-8D / 06N-10N (AHA)	LWR-TRNL-8B-8D	1	4980
10D-12D / 12N (AHA)	LWR-TRNL-12B-12D	1	4475
16D / 16N(AHA)	LWR-TRNL-16B-16D	1	6210
20N(AHA) (Fixed ACB)	LWR-TRNL-20N	1	7270
20N(AHA) /20S(AHA) (Drawout ACB)	LWR-TRNL-20S	1	7300
20D	LWR-TRNL-20C-20D	1	11520
25D / 25N-30S (AHA)	LWR-TRNL-25C-25D	1	14030
30D/40S(AHA)	LWR-TRNL-30C-30D	1	21000
40D	LWR-TRNL-40C-40D	1	36975
50C	LWR-TRNL-50C	1	POR
60C	LWR-TRNL-60C	1	POR

38. Cradle Terminal for Drawout AH/AHA ACB				
For ACB Rating	Reference	Terminal Configuration	Qty. Required Per Pole*	List Price (₹)
6D-8D / 06N-10N	CS-CKTTML-08N	Horizontal	1	3665
	CS-CKTTML-08N(V)	Vertical	1	5570
10D-12D / 12N	CS-CKTTML-12D	Horizontal	1	5440
	CS-CKTTML-12D(V)	Vertical	1	8155
16D / 16N	CS-CKTTML-16D	Horizontal	1	8720
	CS-CKTTML-16D(V)	Vertical	1	11550
20N/20S	CS-CKTTML-20S	Horizontal	1	8720
	CS-CKTTML-20S(V)	Vertical	1	11550
20D	CS-CKTTML-20D	Horizontal	1	8720
	CS-CKTTML-20D(V)	Vertical	1	11550
25D / 25N, 25D / 25N-30S	CS-CKTTML-25D	Horizontal	1	12815
	CS-CKTTML-25D(V)	Vertical	1	25320
30D / 40S	CS-CKTTML-30D	Vertical	1	25370
40D	CS-CKTTML-40D	Vertical	1	32090
50C	CS-CKTTML-50C	Vertical	1	POR
60C	CS-CKTTML-60C	Vertical	1	POR

## Spares For "AH/AHA" ACB

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

39. Main Moving Contacts Assembly			
For ACB Rating	Reference	Qty. Required Per Pole*	List Price (₹)
6D-8D	MOVMAIN-06D-08D	1	4060
06N-10N	MOVMAIN-08N	1	4285
10D-20D / 12N	MOVMAIN-10D-12D	1	4371
16D / 16N	MOVMAIN-16D	1	6550
20N (AHA)-(Fixed Type ACB)	MOVMAIN-20N	1	7060
20N (AHA)-20S (Drawout Type ACB)	MOVMAIN-20S	1	7825
20D	MOVMAIN-20D	1	8440
25D / 25N-30S	MOVMAIN-25D	1	11080
30D / 40S	MOVMAIN-30D	1	25450
40D	MOVMAIN-40D	1	33970
50C	MOVMAIN-50C	1	POR
60C	MOVMAIN-60C	1	POR

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



40. Complete Pole Unit (Common for 3 & 4 Pole ACBs)			
Sl. No.	For Air Circuit Breaker	Reference	List Price (₹)
40.1	Single Pole unit for 06D / 08D	CS-CONDUNIT-8D	11085
40.2	Single Pole unit for 08N-10N	CS-CONDUNIT-8N	12710
40.3	Single Pole unit for 10D / 12D & 12N	CS-CONDUNIT-12D	13270
40.4	Single Pole unit for 16D / 16N	CS-CONDUNIT-16D	16065
40.5	Single Pole unit for 20N (AHA)-F	CS-CONDUNIT-20N	18040
40.6	Single Pole unit for 20N (AHA)-DO/20S	CS-CONDUNIT-20S	19930
40.7	Single Pole Unit for 20D	CS-CONDUNIT-20D	24355
40.8	Single Pole Unit for 25D / 25N-30S	CS-CONDUNIT-25D	26410
40.9	Single Pole Unit for 30D/40S	CS-CONDUNIT-30D	52900
40.10	Single Pole Unit for 40D	CS-CONDUNIT-40D	63020
40.11	50C	CS-CONDUNIT-50C	POR
40.12	60C	CS-CONDUNIT-60C	POR



41. Arc Chutes			
For ACB Rating	Reference	Qty. Required Per Pole*	List Price (₹)
6D-16D/06N-20N	CS-ARCCHT-06D-16D	1	2420
20S	CS-ARCCHT-20S	1	3130
20D	CS-ARCCHT-20D	1	3180
25D/30S	CS-ARCCHT-25D	1	3660
30D/40S	CS-ARCCHT-30D	1	7930
40D	CS-ARCCHT-40D	1	8500
50C	CS-ARCCHT-50C	1	POR
60C	CS-ARCCHT-60C	1	POR

\*\*\* 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, 220V AC/DC, 250V AC/DC)		
For ACB Rating	Reference	List Price (₹)
6D-16D / 06N-20S (AHA)	AMH-1	17065
20D-40D/30S-40S(AHA)	AMH-2	22250

43. Control Relay for Charging Motor (110V AC/DC, 220V AC/DC)		
For ACB Rating	Reference	List Price (₹)
6D-16D / 06N-20S (AHA)	AMH-1-AS	2370
20D-40D / 30S-40S (AHA)	AMH-2-AS	2580

## Spares For "AH/AHA" ACB

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

43. Other Spares			
Sl. No.	Description	Reference	List Price (₹)
43.1	Micro Switch for Motor cut off 6D-40D/06N-40S /50C-60C	MICROSW *	860
43.2	Anti Pumping Relay 6D-16D/06N-20S, 3P 6D-16D/06N-20S, 4P	CS-ANTPUMPRLY-116** CS-ANTPUMPRLY-116 (4P)	2950
	20D-25D/30S, 3P 20D-25D/30S, 4P	CS-ANTPUMPRLY-220 ** CS-ANTPUMPRLY-220 (4P)	3450
	30D-40D/40S / 50C-60C, 3P 30D-40D/40S / 50C-60C, 3P	CS-ANTPUMPRLY-320** CS-ANTPUMPRLY-320 (4P)	3960
43.3	Manual Charging Handle 6D-16D/06N-20S	MCLHND-6D-16D	2340
43.4	Manual Charging Handle 20D-40D/25N-40S	MCLHND-20D-40D	2540
43.5	Drawout Handle 6D-16D/06N-20S	DRHND-6D-16D	1930
43.6	Drawout Handle 20D-40D/25N-40S	DRHND-20D-40D	2340
43.7	Magnet Hold Trigger 6D-16D/06N-20S, 3P 6D-16D/06N-20S, 4P	CS-MHT-16D CS-MHT-16D-4P	2540 2950
43.8	Magnet Hold Trigger 20D-25D / 25N-30S, 3P 20D-25D / 25N-30S, 4P	CS-MHT-20D-25D3P CS-MHT-20D-25D4P	3300 3760
43.9	Magnet Hold Trigger 30D-40D/40S (AHA), 3P 50C-60C 3P	CS-MHT-30D-3P CS-MHT-40D-60C3P	3405
	Magnet Hold Trigger 30D-40D / 40S / 50C-60C, 4P	CS-MHT-30D-60C4P	
43.10	D/O Telescopic Rail (Left) 6D-16D / 06N-20S 20D-25D / 25N-30S 30D-40D /40S	DRTLRAIL (L)-1 DRTLRAIL (L)-2 DRTLRAIL (L)-3	920
43.11	D/O Telescopic Rail (Right) 6D-16D / 06N-20S 20D-25D / 25N-30S 30D-40D / 40S	DRTLRAIL (R)-1 DRTLRAIL (R)-2 DRTLRAIL (R)-3	920

**Note:** "\*\*\*\*" Please specify ACB rating & type while ordering for spares.

**Options for Antipumping Relay					
	24/30V	48V	110V	220V	415V
AC	--	--	FA	MA	NA
DC	BD	ED	FD	MD	-

44. *Auxiliary Isolating Contact Blocks		
Description	Reference	List Price (₹)
Breaker & Cradle Side 12 Way	AIH-BC	3560

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

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	<input type="checkbox"/> 630 A	<input type="checkbox"/> 1000 A	<input type="checkbox"/> 1600 A	<input type="checkbox"/> 2500 A	<input type="checkbox"/> 4000 A	<input type="checkbox"/> 6300 A
	<input type="checkbox"/> 800 A	<input type="checkbox"/> 1250 A	<input type="checkbox"/> 2000 A	<input type="checkbox"/> 3200 A	<input type="checkbox"/> 5000 A	QTY. (NOS.)
NO. OF POLES	<input type="checkbox"/> 3 POLE	<input type="checkbox"/> 4 POLE	Breaking capacity		Product Reference	
MOUNTING	<input type="checkbox"/> FIXED	<input type="checkbox"/> DRAWOUT	<input type="checkbox"/> 24/36 WAY AUX. ISOLATING CONTACT ASSLY. <input type="checkbox"/> POSITION INDICATION SWITCH <input type="checkbox"/> SHORT CIRCUIT CONTACTS _____ NOS / ACB			
OPERATION	<input type="checkbox"/> MANUAL	<input type="checkbox"/> ELECTRICAL	CLOSING COIL: <input type="checkbox"/> 110V AC <input type="checkbox"/> 220~250V AC <input type="checkbox"/> 415~440V AC <input type="checkbox"/> 24V DC <input type="checkbox"/> 48V DC <input type="checkbox"/> 110V DC <input type="checkbox"/> 220V DC SHUNT TRIP COIL: <input type="checkbox"/> 110V AC <input type="checkbox"/> 220~250V AC <input type="checkbox"/> 415~440V AC <input type="checkbox"/> 24V DC <input type="checkbox"/> 48V DC <input type="checkbox"/> 110V DC <input type="checkbox"/> 220V DC MOTOR: <input type="checkbox"/> 110V AC <input type="checkbox"/> 220V AC <input type="checkbox"/> 110V DC <input type="checkbox"/> 220V DC			
RELEASES	<input type="checkbox"/> WITHOUT RELEASE					
	MICROPROCESSOR RELEASE <input type="checkbox"/> MicroPro 3.1 <input type="checkbox"/> MicroPro 4.1 <input type="checkbox"/> MicroPro 5.1 <input type="checkbox"/> COMMUNICATION MODULE* (ModBus Protocol) <input type="checkbox"/> POWER SUPPLY MODULE <input type="checkbox"/> BATTERY UNIT* <input type="checkbox"/> RECTIFIER*		UNLESS & OTHERWISE SPECIFIED, ALL SETTINGS OF RELEASES <b>WOULD</b> BE SET AT MINIMUM VALUES.	SETTINGS : CT RATING _____ A, SHORT CIRCUIT _____ A, OVERLOAD _____ A, INSTANTANEOUS _____ A GROUND FAULT _____ A, Neutral _____ A		
		<input type="checkbox"/> THERMAL MAGNETIC EARTHFAULT REQD. <input type="checkbox"/> NOT REQD. <input type="checkbox"/> SHUNT TRIP _____ V AC/ _____ V DC (220V AC SHUNT TRIP IS PROVIDED AS STANDARD) REQUIRED CT RATING _____ 5A NCT RATING _____ 5A SETTING OF NON-ADJ. MAG. INST. TRIP _____ KA				
ACCESSORIES	<input type="checkbox"/> AUX. SW. 3 NO + 2 NC <input type="checkbox"/> TRIP IND. SWITCH <input type="checkbox"/> POSITION IND. SWITCH <input type="checkbox"/> UVT. <input type="checkbox"/> 110V AC <input type="checkbox"/> 220~250V AC <input type="checkbox"/> 415~440V AC <input type="checkbox"/> 110V DC <input type="checkbox"/> 220V DC <input type="checkbox"/> (WITHOUT TIME DELAY)		<input type="checkbox"/> AUX. SW. 5 NO + 5 NC <input type="checkbox"/> OCR ALARM SWITCH <input type="checkbox"/> CASTLE KEY INTERLOCK <input type="checkbox"/> KEY INTERLOCK <input type="checkbox"/> 2 ACBs <input type="checkbox"/> 3 ACBs		<input type="checkbox"/> AUX. SW. 7 NO + 7 NC <input type="checkbox"/> SPRING CHARGE IND. SWITCH <input type="checkbox"/> MECH. OPERATION COUNTER <input type="checkbox"/> MECHANICAL INTERLOCK HOR. <input type="checkbox"/> VER. <input type="checkbox"/> <input type="checkbox"/> DOOR INTERLOCK	
SPECIAL REQUIREMENT/ ACCESSORIES (IF ANY)						
<b>Notes:</b> (1) Please refer catalogue / Price-List, for further details of MicroPro 3.1/4.1/5.1 Releases. (2) Neutral CT is required alongwith Microprocessor Release having Ground-Fault Protection. This has to be mounted on Earth / Neutral Busbar of Panel. *(220V AC input is required)						



# WiNbreak1

An Absolute Solution for  
Distribution & Protection

**Rating** | 16A-400A

**Poles** | 3P & 4P

**Breaking capacity** | 25kA, 35kA  
| 36kA, 50kA

**Ui** | 750V **Uimp** | 8kV



## MCCB

WiNbreak1 MCCB is an incredibly innovative high quality circuit breaker supported with state-of-the-art manufacturing technologies, contemporary design, ergonomics and compactness.

WiNbreak1 in conforms with latest standard IS/IE C60947-2.

WiNbreak1 provides accurate and impeccable protection against overload and short circuit which ensures utmost performance, reliability and complete safety. The high breaking capacity of these MCCBs reflects the robustness of its design and ensures high electrical and mechanical life.



C&S Electric offers innovative, intelligent,  
integrated and intuitive solution

# WiNbreak2

An Absolute solution for power distribution

Conforms to IS/IEC 60947-2

$I_{cs} = 100\% I_{cu}$

$I_{cw} = 25kA / 1s$

Range : 800A to 1600A, 3P & 4P

Breaking capacity : 50kA, 70kA & 150kA

$U_i : 1000V$

$U_{imp} : 8kV$



#### For power distribution

- The highest breaking capacity
- Optimum coordination Technique (cascading & discrimination)
- Powerful engineering tools

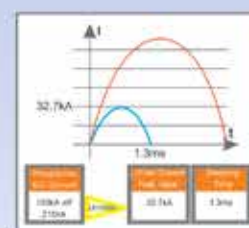
#### For protection of motor and its control device

- Optimal overload protection

#### For controlling & disconnecting circuits

#### For extensive application

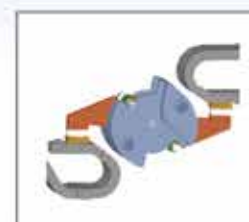
- wide range of optimized auxiliaries & accessories



Current Limiting



Tripping by Pressure



Double Contact Structure

# INTELLIGENT RELEASE

Trip releases are classified according to their usages and functions to maximise customer's satisfaction. It makes the breaking capacity of circuit breaker improved and breaker's life enhanced and provides advanced functions – measurement, diagnosis, analysis and communication

## N Type (Normal)



- L/S/I/G Thermal
- Self-Power
- RTC Timer
- Fault information (LED)

## A Type (Ammeter)



- L/S/I/G Thermal
- ZSI (Protective Co-ordination)
- Earth Leakage
- Current Measurement
- Digital Output
- Modbus/RS-485
- Profibus-DP
- Self-Power
- RTC Timer
- Fault recording (10 Records)
- Fault information (LED)

## P Type (Power Meter)



- L/S/I/G Thermal (continuous)
- ZSI (protective coordination)
- Earth Leakage
- Current / Voltage / RMS / Vector / Power/ Energy / Frequency measurement
- Pri-Trip Alarm
- IDML setting
- Digital output
- Modbus/RS-485
- Profibus-DP
- Self-power
- RTC Timer
- Event recording (256 records)
- Fault recording (256 records)
- Fault information (LED)

## S Type (Supreme Meter)



- L/S/I/G Thermal (continuous)
- ZSI (protective coordination)
- Earth Leakage
- Current / Voltage / RMS / Vector / Power/ Energy / Frequency measurement
- Pri Trip alarm
- IDML setting
- Digital output
- Modbus/RS-485
- Profibus-DP
- Self-power
- RTC timer
- Harmonics (63th) ,Waveform
- Event recording (256 records)
- Fault recording (256 records)
- Fault information (LED)

**WiNbreak2 MCCB (1600AF)**
**Features:**

- LSIG Protection
- Thermal Memory
- Current, Voltage, Power, Energy, Frequency measurement
- Trip History
- Digital Display
- Fault recording
- Event Recording
- Communication
- Harmonics
- True RMS Sensing
- ZSI
- IDMTL Setting
- Self Power
- LED for Tripping Information
- RTC Timer
- Pre Trip Alarm

**MCCB with Intelligent Release - N Type**

Size	Release Range (A)	Breaking Capacity @ 415VAC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 5	400-800	50kA	CS1000NNG5800A3P	POR	CS1000NNG5800A4P	POR
	500-1000		CS1000NNG51000A3P		CS1000NNG51000A4P	
	625-1250		CS1250NNG51250A3P		CS1250NNG51250A4P	
	800-1600		CS1600NNG51600A3P		CS1600NNG51600A4P	
	400-800	70kA	CS1000HNG5800A3P	POR	CS1000HNG5800A4P	POR
	500-1000		CS1000HNG51000A3P		CS1000HNG51000A4P	
	625-1250		CS1250HNG51250A3P		CS1250HNG51250A4P	
	800-1600		CS1600HNG51600A3P		CS1600HNG51600A4P	

**List Price Changes for MCCB with high end release w.r.t "Intelligent release - N Type"**

Release	List Price (₹)
Intelligent release - A Type*	ADD
Intelligent release - P Type*	ADD
Intelligent release - S Type*	ADD

**Note :** Standard packing includes insulating phase barriers and Hardwares.

**Internal Accessories**

WB2 MCCBs	Shunt Trip (SHT)	List Price (₹)	Under Voltage Trip (UVT)	List Price (₹)	Auxiliary Switch (AX)	List Price (₹)	Alarm Switch (AL)	List Price (₹)	Fault Alarm Switch (FAL)*	List Price (₹)
CS1000-1600	SHT5-T(...V)	POR	UVT5-T(...V)	POR	AX5-T	POR	AL5-T	POR	FAL5-T	POR

**Note :**

1. Shunt Trip is available in 24-30V AC/DC, 48-60V DC, 100-130V AC/DC, 200-250V AC/DC & 380- 480V AC
2. UVT is available in 24-30V AC/DC, 48-60V DC, 100-130V AC/DC, 200-250V AC/DC & 380-480V AC

WB2 MCCBs	Direct Rotary Handle	List Price (₹)	Direct Rotary Handle with Keylock	List Price (₹)	Extended Rotary Handle	List Price (₹)
CS1000-1600	DH5-S	POR	DHK5-S	POR	EH5-S	POR

**Mechanical Interlock**

WB2 MCCBs	Applied between two MCCBs			
	3 Pole		4 Pole	
	Reference	List Price (₹)	Reference	List Price (₹)
CS1000-1600	MIT53	POR	MIT54	POR

**Padlocking Device**

WB2 MCCBs	Fixed Lock		Removable Lock	
	Reference	List Price (₹)	Reference	List Price (₹)
CS1000-1600	PHL5	POR	PL5	POR



**WiNbreak2 MCCB**

- Conforms to IS/IEC 60947-2
- Ics = 100% Icu
- Range: 16A-1600A, 3P & 4P
- Breaking capacity: 50kA, 65kA, 70kA, 85kA & 150kA
- Positive Isolation
- Trip Free Mechanism
- Double contact structure
- Communication compatible
- No Line-load Bias
- Neutral with 100% rated current
- Tripping by pressure
- Current limiting
- Manual, Rotary or Motorized available
- Wide range of internal & external accessories
- Standard packing includes spreaders terminals, insulating phase barriers and hardwares



<b>FMU (Thermal Magnetic) Release • Adjustable Overload 80-100% • Fixed short circuit 10 In</b>						
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 1	16, 20, 25, 32, 40, 50, 63	50kA	CD100NFMU*3P	8790	CD100NFMU*4P	10900
	80, 100		CD100NFMU*3P	8880	CD100NFMU*4P	11000
Frame 3	300, 400	65kA	CS400NFMU*3P	27070	CS400NFMU*4P	34550
	500, 630		CS630NFMU*3P	30640	CS630NFMU*4P	37370
Frame 4	800	65kA	CS800NFMU*3P	43140	CS800NFMU*4P	53190

<b>ATU (Thermal Magnetic) Release • Adjustable Overload 80 - 100% • Adjustable Short circuit 5 - 10 In</b>						
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 2	125	50kA	CS160NATU*3P	13680	CS160NATU*4P	17300
	160		CS160NATU*3P	16850	CS160NATU*4P	20820
	200		CS250NATU*3P	20260	CS250NATU*4P	24710
	250		CS250NATU*3P	23270	CS250NATU*4P	28610
Frame 3	300, 400	65kA	CS400NATU*3P	28430	CS400NATU*4P	34600
	500, 630		CS630NATU*3P	32250	CS630NATU*4P	39380
Frame 4	800	65kA	CS800NATU*3P	46990	CS800NATU*4P	58270

<b>ETS (Microprocessor based) Release • Adjustable Overload 40 - 100% • Adjustable shortcircuit 1.5 - 10 In</b>						
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 2	40	50kA	CS160NETS*3P	22480	CS160NETS*4P	28110
	80, 160		CS160NETS*3P	22790	CS160NETS*4P	28120
	250		CS250NETS*3P	26910	CS250NETS*4P	35270
Frame 3	400	65kA	CS400NETS*3P	30720	CS400NETS*4P	41710
	630		CS630NETS*3P	35270	CS630NETS*4P	49100
Frame 4	800	65kA	CS800NETS*3P	52070	CS800NETS*4P	60400

**WiNbreak2 MCCB**

ETM (Microprocessor Release with in-built Earth fault Protection) • Adjustable Overload 40 - 100% • Adjustable shortcircuit 1.5 - 10 In						
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 3	160	65kA	CS400NETM33160A3PE	50640	CS400NETM33160A4PE	60710
	250		CS400NETM33250A3PE	50640	CS400NETM33250A4PE	60710
	400		CS400NETM33400A3PE	50760	CS400NETM33400A4PE	60910
	630		CS630NETM33630A3PE	61130	CS630NETM33630A4PE	72750
Frame 4	800	65kA	CS800NETM43800A3PE	85490	CS800NETM43800A4PE	106870

**Note :**

- While ordering replace "3" by Current Rating
- Spreader Terminals are not included MCCBs upto 63A
- For 3 Pole ETM (Microprocessor) MCCB one Neutral CT will be required, if ground fault protection is required, for reference & List Price Please refer page 35
- MCCB with Ammeter, ZSI & communication feature is also available. For reference & List Price contact nearest branch office.
- MCCB for Motor Backup Protection is also available. For prices contact nearest branch office.

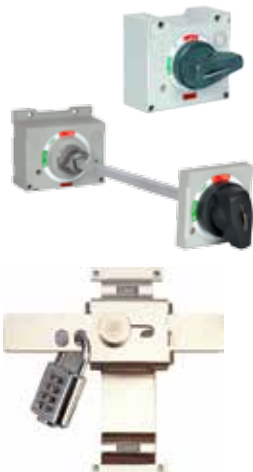


Accessories										
Suitable for use on WB2 MCCBs	Shunt Trip (SHT)	List Price (₹)	Under Voltage Trip (UVT)	List Price (₹)	Auxiliary Switch (AX)	List Price (₹)	Alarm Switch (AL)	List Price (₹)	Fault Alarm Switch (FAL)*	List Price (₹)
CD100-CS800	ST-T(..V)	2570	UVT-T(..V)	3490	AX-T	1110	AL-T	1110	FAL-T	1110

**Note :**

- The above accessories are common for CD100-CS800
- FAL (Fault Alarm Switch)\* It can be applied to only circuit breakers with electronic trip units
- Shunt Trip is available in 12V DC, 24V AC/DC, 110-130V AC/DC, 250V DC & 380-500V AC
- UVT is available in 24V AC/DC, 110-130V AC/DC, 220-240V DC & 380-440V AC & 440-480V AC
- Maximum Possibilities for Internal Accessories

	Accessory	CD100	CS160/ 250	CS400 / 630	CS800
Left	AX	-	1	3	3
	AL	1	1	-	-
	SHT / UVT	1	1	1	1
Right	AX	2	1	-	-
	AL	-	-	1	2
	FAL	-	1	1	1



Suitable for use on WB2 MCCBs	Direct Rotary Handle	List Price (₹)	Direct Rotary Handle with Keylock	List Price (₹)	Extended Rotary Handle	List Price (₹)
CD100	DH1-S	1390	DHK1-S	3670	EH1-S	2090
CS160, CS250	DH2-S	1510	DHK2-S	3850	EH2-S	2780
CS400, CS630	DH3-S	2970	DHK3-S	4040	EH3-S	3900
CS800	DH4-S	3550	DHK4-S	4210	EH4-S	4610

Mechanical Interlock (Used to prevent mechanically closing together)				
Suitable for use on WB2 MCCBs	Direct Rotary Handle	List Price (₹)	Direct Rotary Handle with Keylock	List Price (₹)
CD100	MIT13	6620	MIT14	6950
CS160, CS250	MIT23	8070	MIT24	8350
CS400, CS630	MIT33	8560	MIT34	8790
CS800	MIT44	9350	MIT44	9170

**WiNbreak2 MCCB**

**Motor Operator - For remote "ON/OFF" operation only**

Suitable for MCCB Type	Control Voltage	Reference	List Price (₹)
CD100	24V DC, 100-240V AC & 100-220V DC	MOP1(..V)	15190
CS160, CS250	24V DC, 110V AC/DC & 220V DC, 230V AC	MOP2(..V)	21060
CS400, CS630	24V DC, 110V AC/DC & 220V DC, 230V AC	MOP3(..V)	33160
CS800	24V DC, 110V AC/DC & 220V DC, 230V AC	MOP4(..V)	39160

\*Replace (....V) by require voltage.


**Padlocking Device**

Suitable for use on WB2 MCCBs	Fixed Lock		Removable Lock	
	Reference	List Price (₹)	Reference	List Price (₹)
CD100	PHL 1	1130	PL 1	655
CS160, CS250	PHL 2	1250	PL 2	845
CS400, CS630	PHL 3	2010	PL 3	1035
CS800	PHL 4	2275	PL 4	1080


**Base for Plug-in MCCB**

Suitable for use on WB2 MCCBs	Reference (for 3 Pole)	List Price (₹)
CD100	PB13	12880
CS160, CS250	PB23	16000
CS400, CS630	PB33	25670
CS800	PB43	64230

**NCT for WiNbreak2 ETM (Microprocessor) 3 Pole MCCB if ground fault facility is required**

Description	Reference	List Price (₹)
160/0.1A	NCT-WB2-016	4590
250/0.1A	NCT-WB2-025	4700
400/0.1A	NCT-WB2-040	5040
630/0.1A	NCT-WB2-063	5430
800/0.1A	NCT-WB2-080	5780

**Panel Door Mounted Key Lock for Extended Rotary Handle**

Suitable for WB2 MCCBs	Reference	List Price (₹)
CD100	EXTKLWB2-100AF-T1	1800
CS160, CS250	EXTKLWB2-250AF-T1	2000

**ACE 2 MCCB**

- Conforms to IS/IEC 60947-2
- Ics = 100% Icu
- Range : 16A-1250A , 3P & 4P
- Breaking capacity : 36kA , 50kA & 70kA
- Positive Isolation
- Trip free mechanism
- Double contact structure
- No Line-load Bias
- Wide range of internal & external accessories
- Standard packing includes spreaders terminals, insulating phase barrier and hardware



Microprocessor Release • LSIN protection • Adjustable Overload 40-100% • Neutral Protection 50% to 100%							
Size	Rated Current (Amps)	Breaking Capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)	
Frame 2	40	36kA	CSCN125EM*3P	15080	CSCN125EM*4P	18850	
	100		CSCN125EM*3P	15150	CSCN125EM*4P	18940	
	125		CSCN125EM*3P	16130	CSCN125EM*4P	20000	
	160		CSCN250EM*3P	17610	CSCN250EM*4P	22010	
	200		CSCN250EM*3P	21920	CSCN250EM*4P	27400	
	250		CSCN250EM*3P	22420	CSCN250EM*4P	28020	
	Frame 2	40	50kA	CSCS125EM*3P	15520	CSCS125EM*4P	19390
		100		CSCS125EM*3P	15590	CSCS125EM*4P	19490
		125		CSCS125EM*3P	16670	CSCS125EM*4P	20830
		160		CSCS250EM*3P	19000	CSCS250EM*4P	23740
		200		CSCS250EM*3P	23790	CSCS250EM*4P	29850
		250		CSCS250EM*3P	24210	CSCS250EM*4P	30260
Frame 3	315, 350, 400	50kA	CSCS400EM*3P	28410	CSCS400EM*4P	35500	
	500, 630		CSCS630EM*3P	32370	CSCS630EM*4P	39770	
Frame 2	40	70kA	CSCH125EM*3P	18360	CSCH125EM*4P	23310	
	100		CSCH125EM*3P	18430	CSCH125EM*4P	32410	
	125		CSCH125EM*3P	20220	CSCH125EM*4P	25280	
	160		CSCH250EM*3P	21560	CSCH250EM*4P	26960	
	200		CSCH250EM*3P	27830	CSCH250EM*4P	34780	
	250		CSCH250EM*3P	27850	CSCH250EM*4P	35060	
Frame 3	315, 350, 400	70kA	CSCH400EM*3P	30130	CSCH400EM*4P	37650	
	500, 630		CSCH630EM*3P	33650	CSCH630EM*4P	42070	

Microprocessor Release • LSIN protection • Adjustable Overload 40-100% • Neutral Protection 50% to 100% • Ics=50% Icu						
Size	Rated Current (Amps)	Breaking Capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 4	700, 800 ■	50kA	CSCS800EM*3P	85300	CSCS800EM*4P	93830
	1000 ■		CSCS1250EM*3P	91030	CSCS1250EM*4P	100130
	1250 ■		CSCS1250EM*3P	98530	CSCS1250EM*4P	115100
Frame 4	700, 800 ■	70kA	CSCH800EM*3P	85350	CSCH800EM*4P	98990
	1000 ■		CSCH1250EM*3P	94600	CSCH1250EM*4P	120160
	1250 ■		CSCH1250EM*3P	118250	CSCH1250EM*4P	150200

**Notes :**

1. While Ordering, Replace "\*" by Current Rating
2. Spreader Terminal are not included for MCCBs upto 63A
3. ■ Spreader Terminal are not included, for reference & List Price, please refer page no. 37

**ACE 2 MCCB**

FMU (Thermal Magnetic) Release • Adjustable Overload 80-100% • Fixed short circuit 10In						
Size	Rated Current (Amps)	Breaking Capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 1	16, 20, 25, 32, 40, 50, 63	36kA	CSCN125TM*3P	7230	CSCN125TM*4P	8980
	80, 100		CSCN125TM*3P	7260	CSCN125TM*4P	9170
	125		CSCN125TM*3P	8800	CSCN125TM*4P	10720
Frame 1	16, 20, 25, 32, 40, 50, 63	50kA	CSCS125TM*3P	7690	CSCS125TM*4P	9630
	80, 100		CSCS125TM*3P	7730	CSCS125TM*4P	10470
	125		CSCS125TM*3P	11480	CSCS125TM*4P	14340

# Spreader Terminal are not included for MCCBs upto 63A

ATU (Thermal Magnetic) Release • Adjustable Overload 80 - 100% • Adjustable Short circuit 5 - 10 In						
Size	Rated Current (Amps)	Breaking Capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 2	160	36kA	CSCN250TM*3P	11240	CSCN250TM*4P	13820
	200		CSCN250TM*3P	12930	CSCN250TM*4P	15640
	250		CSCN250TM*3P	16060	CSCN250TM*4P	19740
☀ Frame 3	315, 400	36kA	CSCN400TM*3P	26790	CSCN400TM*4P	32900
Frame 2	160	50kA	CSCS250TM*3P	14060	CSCS250TM*4P	17580
	200		CSCS250TM*3P	18440	CSCS250TM*4P	23060
	250		CSCS250TM*3P	21320	CSCS250TM*4P	26650
☀ Frame 3	315, 400	50kA	CSCS400TM*3P	27260	CSCS400TM*4P	33700

**Accessories**
**Spreader Terminals**


Suitable for use on MCCBs	Pole	Reference	List Price (₹)	Std Pkg. (No's)
CSCS / CSCH 800EM CSCS / CSCH 1250EM	3 Pole	CSCET6063	6770	Set of 3
CSCS / CSCH 800EM CSCS / CSCH 1250EM	4 Pole	CSCET6114	9870	Set of 4

**Extended Rotary Handle**


Size	Suitable for use on ACE2 MCCBs	3 Pole Reference	4 Pole Reference	List Price (₹)
Frame 1	CSCN / CSCS 125TM	EC-55	EC-19	1795
Frame 2	CSCN / CSCS 250TM CSCN / CSCS / CSCH 125EM CSCN / CSCS / CSCH 250EM	EC-56	EC-20	2220
Frame 3	CSCN / CSCS 400TM CSCS / CSCH 400EM CSCS / CSCH 630EM	EC-57	EC-21	2980
Frame 4	CSCS / CSCH 800EM CSCS / CSCH 1250EM	EC-58	EC-58	4470

## ACE2 MCCB

Internal Accessories			
Description	Suitable for use on ACE2 MCCBs	Reference	List Price (₹)
Aux Switch (AX)	CSCN / CSCS / CSCH	AXC-*	860
Alarm Switch (AL)	CSCN / CSCS / CSCH	ALC	90

\* Please replace "\*" with L (Left), M (Middle) & R (Right)

Description	Suitable for use on ACE2 MCCBs	Reference				List Price (₹)
		220V AC	380/415V AC	24V DC	110V DC	
Shunt Release (SHT)	CSCN / CSCS 125TM	STC92	STC95	STC98	-	1680
	CSCN / CSCS 250TM CSCN / CSCS 400TM CSCN / CSCS / CSCH 250EM CSCS / CSCH 400EM CSCS / CSCH 630EM	STC93	STC96	STC99	-	1890
	CSCS / CSCH 800EM CSCS / CSCH 1250EM	STC94	STC97	STC00	STC01	3780
Under Voltage Trip (UVT)	CSCN / CSCS 125TM	UVTC02	UVTC05	-	-	2550
	CSCN / CSCS 250TM CSCN / CSCS 400TM CSCN / CSCS / CSCH 250EM CSCS / CSCH 400EM CSCS / CSCH 630EM	UVTC03	UVTC06	-	-	2760
	CSCS / CSCH 800EM CSCS / CSCH 1250EM	UVTC04	UVTC07	-	-	7540

Maximum Possibilities of Internal Accessories				
Description	Accessory	CSC*125 / CSC*250	CSC*400 / CSC*630	CSC*800 / CSC*1250
(Left)	AX	1	3	3
	AL	1	-	-
	UVT or SHT	1	1	1
(Right)	AX	1	-	-
	AX or AL	-	1	1

**WiNbreak1 MCCB**

- Conforms to IS/IEC 60947-2
- Ics=100% Icu
- Range: 16A-400A, 3 & 4 Pole
- Breaking capacity: 25kA, 35/36kA, 50kA
- Positive Isolation
- Trip free mechanism
- Neutral with 100% rated current
- Bounce free contact structure
- Wide range of Internal & External Accessories
- SS Enclosure available
- Standard packing includes insulating phase barrier and hardware



<b>FMU (Thermal Magnetic) Release • Adjustable Overload 80-100% • Fixed short circuit 10In</b>						
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 1	16, 20, 25, 32, 40, 50	25kA	CSE1M125FMU3P-*	4340	CSE1M125FMU4P-*	5330
	16, 20, 25, 32, 40, 50	35kA	CSE1N125FMU3P-*	5530	CSE1N125FMU4P-*	6750

<b>ATM (Thermal Magnetic) Release • Adjustable Overload 80-100% • Adjustable Short Circuit 5-10 In</b>							
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)	
Frame 1	63, 80, 100	25kA	CSE1M125ATM3P-*	4370	CSE1M125ATM4P-*	5390	
	125		CSE1M125ATM3P-*	5790	CSE1M125ATM4P-*	7460	
Frame 2	160		CSE2M250ATM3P-*	9140	CSE2M250ATM4P-*	11060	
	200		CSE2M250ATM3P-*	10330	CSE2M250ATM4P-*	12600	
	250		CSE2M250ATM3P-*	12710	CSE2M250ATM4P-*	15630	
Frame 3	320		CSE3M400ATM3P-*	17380	CSE3M400ATM4P-*	20310	
	350		CSE3M400ATM3P-*	17380	CSE3M400ATM4P-*	20310	
	400		CSE3M400ATM3P-*	18310	CSE3M400ATM4P-*	21430	
Frame 1	63, 80, 100		35kA	CSE1N125ATM3P-*	5690	CSE1N125ATM4P-*	6940
	125			CSE1N125ATM3P-*	7160	CSE1N125ATM4P-*	8770
Frame 2	160	CSE2N250ATM3P-*		9660	CSE2N250ATM4P-*	11690	
	200	CSE2N250ATM3P-*		11160	CSE2N250ATM4P-*	13620	
	250	CSE2N250ATM3P-*		13550	CSE2N250ATM4P-*	16660	
Frame 3	320	CSE3N400ATM3P-*		17840	CSE3N400ATM4P-*	20520	
	350	CSE3N400ATM3P-*		17840	CSE3N400ATM4P-*	20520	
	400	CSE3N400ATM3P-*		18780	CSE3N400ATM4P-*	22530	
Frame 3	320	50kA		CSE3S400ATM3P-*	18820	CSE3S400ATM4P-*	21560
	350			CSE3S400ATM3P-*	18820	CSE3S400ATM4P-*	21560
	400		CSE3S400ATM3P-*	19580	CSE3S400ATM4P-*	22640	

<b>ATM (Thermal Magnetic) Release • Adjustable Overload 80-100% • Adjustable Short Circuit 5-10 In • Ics=75%Icu</b>						
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 2	160	25kA	CSE2MX250ATM3P-*	6410	CSE2MX250ATM4P-*	8270
	200		CSE2MX250ATM3P-*	6810	CSE2MX250ATM4P-*	8440
	250		CSE2MX250ATM3P-*	7570	CSE2MX250ATM4P-*	9260
Frame 2	160	35kA	CSE2NX250ATM3P-*	7910	CSE2NX250ATM4P-*	9830
	200		CSE2NX250ATM3P-*	9840	CSE2NX250ATM4P-*	11570
	250		CSE2NX250ATM3P-*	11600	CSE2NX250ATM4P-*	14280
Frame 2	160	50kA	CSE2S250ATM3P-*	9880	CSE2S250ATM4P-*	12100
	200		CSE2S250ATM3P-*	12190	CSE2S250ATM4P-*	15400
	250		CSE2S250ATM3P-*	16110	CSE2S250ATM4P-*	19810

<b>FMU / ATM (Thermal Magnetic) Release • Adjustable Overload 80-100% • Adjustable Short Circuit 5-10 In • Ics=50%Icu</b>						
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 1	16, 20, 25, 32, 40, 50	50kA	CSE1S125FMU3P-*	6870	CSE1S125FMU4P-*	8380
	63, 80, 100		CSE1S125ATM3P-*	6900	CSE1S125ATM4P-*	8410
	125		CSE1S125ATM3P-*	8520	CSE1S125ATM4P-*	10400

**Notes :**

1. While Ordering, Replace "\*" by Current Rating.
2. For spreader terminals reference code & List Price, please refer page no. 42
3. MCCB with 36kA Breaking capacity is also available.

**WiNbreak1 MCCB**
**Microprocessor Release 'MicroPro WB'**

- Conforms to IS/IEC 60947-2
- Ics=100%Icu
- Range: 40A-250A, 3P & 4P
- Breaking capacity: 35kA & 50kA
- Suitable for isolation
- Adjustable over load from 0.4-1.0In
- Adjustable short circuit from 2-12Ir
- Inbuilt ground fault protection available 20% to 100% of In
- Adjustable neutral overload protection available: 50% to 100% of Ir
- Adjustable current imbalance protection available: (30%-70%) of Ir
- Provision of thermal memory: ON/OFF
- Communication using RS485 through MODBUS protocol
- View last trip information
- LCD: Indication of measurement and information



<b>ETM (with in-built Earth fault Protection) • Adjustable Overload 40 - 100% • Adjustable shortcircuit 2-12 Ir</b>						
Size	Release Range (A)	Breaking Capacity Icu at 415V AC	3 Pole - Reference	List Price (₹)	4 Pole - Reference	List Price (₹)
Frame 1	16-40	35kA	CSE1N125ETM3P-40A	12340	CSE1N125ETM4P-40A	14770
	25-63		CSE1N125ETM3P-63A	12340	CSE1N125ETM4P-63A	14770
	40-100		CSE1N125ETM3P-100A	13070	CSE1N125ETM4P-100A	15660
	50-125		CSE1N125ETM3P-125A	13880	CSE1N125ETM4P-125A	17070
Frame 2	63-160	50kA	CSE2N250ETM3P-160A	15770	CSE2N250ETM4P-160A	18360
	80-200		CSE2N250ETM3P-200A	19470	CSE2N250ETM4P-200A	23030
	100-250		CSE2N250ETM3P-250A	19850	CSE2N250ETM4P-250A	24600
<b>ETM (with in-built Earth fault Protection) • Adjustable Overload 40 - 100% • Adjustable shortcircuit 2-12 Ir • Ics=75%Icu</b>						
Frame 2	63-160	50kA	CSE2S250ETM3P-160A	17180	CSE2S250ETM4P-160A	20470
	80-200		CSE2S250ETM3P-200A	21570	CSE2S250ETM4P-200A	25600
	100-250		CSE2S250ETM3P-250A	22100	CSE2S250ETM4P-250A	26450
<b>ETM (with in-built Earth fault Protection) • Adjustable Overload 40 - 100% • Adjustable shortcircuit 2-12 Ir • Ics=50%Icu</b>						
Frame 1	16-40	50kA	CSE1S125ETM3P-40A	12910	CSE1S125ETM4P-40A	15740
	25-63		CSE1S125ETM3P-63A	12910	CSE1S125ETM4P-63A	15740
	40-100		CSE1S125ETM3P-100A	13520	CSE1S125ETM4P-100A	16470
	50-125		CSE1S125ETM3P-125A	14200	CSE1S125ETM4P-125A	16890

**Note:**

1. While ordering, Replace "\*" with Current rating
2. For spreader terminals reference code & List Price, please refer page no. 42
3. For 3 Pole ETM (Microprocessor) MCCB one Neutral CT will be required, if ground fault protection is required. For reference & price please refer page 43.

**Single Pole MCCB**

- Conforms to IS/IEC 60947-2
- Ics=100%Icu
- Range: 16A-160A
- Breaking capacity: 18kA, 25kA & 36kA
- Standard packing includes Spreader terminals, insulating phase barrier & hardware



<b>FTM (Thermal Magnetic) Release • Fixed Overload • Fixed short circuit</b>				
Size	Rating (A)	Breaking Capacity Icu at 240V AC	Reference	List Price (₹)
Frame 1	16, 20, 25, 32, 40, 50, 63#	18kA	CSE1K160FTM1P-*	990
	80, 100		CSE1K160FTM1P-*	1035
	125		CSE1K160FTM1P-*	1190
	160		CSE1K160FTM1P-*	1350

**Note:**

1. While Ordering, Replace "\*" by Current Rating.
2. Spreader Terminals are not included for MCCBs upto 63A.
3. Also available in 25kA & 36kA. For price, please contact nearest Branch Office.



Accessories										
Suitable for use on WB1 MCCBs	Shunt Trip (SHT)	List Price (₹)	Under Voltage Trip (UVT)	List Price (₹)	Auxiliary Switch (AX)	List Price (₹)	Alarm Switch (AL)	List Price (₹)	Combination Switch (AX+AL)	List Price (₹)
CSE1, CSE2	STW1-(...V)	1536	UVTW1-(...V)	2650	AXW1-*	780	ALW1-*	780	XLW1-*	1900
CSE3	STW1-3(...V)	2270	UVTW1-3(...V)	3190	AXW1-3*	1020	ALW1-3*	1020	XLW1-3*	2270

**Note:**

- Please replace "\*" with L as MCCB Left hand side position & R as MCCB right hand position
- For Frame1, Frame2 & Frame3 Shunt Trip is available in 24V DC, 48V DC, 110V DC, 220V AC/DC & 415V AC. (Replace STW1-(...V) by required voltage.
- For Frame1, Frame2 UVT is available in 24V DC, 48V DC, 110V DC, 220V AC/DC & 415V AC. (Replace UVTW1-(...V) by required voltage.
- For Frame 3 UTV available in 110V AC, 220V AC/DC & 415V AC. (Replace UVTW1-(...V) by required voltage.
- Maximum Possibilities for Internal Accessories
  - 3 Pole, MCCB with Thermal Release, Any two accessories can be fitted at one time
  - 4 Pole, MCCB with Thermal Release, Any Three accessories can be fitted at one time
  - 3 Pole MCCB with Microprocessor Release, Right hand seat is not available. Hence, one accessory can be fitted at one time.
  - 4 Pole MCCB with Microprocessor Release, Any two accessories can be fitted at one time.
  - UVT can be fitted only in left hand seat



Extended Rotary Handle		
Suitable for use on WB1 MCCBs	Reference	List Price (₹)
CSE1	EHW1-125	1640
CSE2	EHW1-250	1930
CSE3	EHW1-400	2310

Panel Door Mounted Key Lock for Extended Rotary Handle		
Suitable for use on WB1 MCCBs	Reference Code	List Price (₹)
CSE1	EXTKLWB1-125AF-T1	1800
CSE2	EXTKLWB1-250AF-T1	1800
CSE3	EXTKLWB1-400AF-T1	2115



Mechanical Interlock				
Suitable for use on WB1 MCCBs	Applied between two MCCBs			
	Reference 3 Pole	List Price (₹)	Reference 4 Pole	List Price (₹)
CSE1	MIW1-125-3P	1890	MIW1-125-4P	2360
CSE2	MIW1-250-3P	2090	MIW1-250-4P	2460
CSE3	MIW1-400-3P	2180	MIW1-400-4P	2560



Locking Devices*				
Suitable for use on MCCBs	Key Lock*		Padlocking#	
	Reference	List Price (₹)	Reference	List Price (₹)
CSE1	KLW1-125	1070	PLW1-125	1110
CSE2	KLW1-250	1160	PLW1-250	1230
CSE3	KLW1-400	1330	PLW1-400	1415

# Removable Type \* Factory fitted only



Spreader Terminals for WB1 MCCB					
Suitable for use on MCCBs	Current Rating (A)	Reference	List Price (₹)	Std Pkg (No.s)	
CSE1	3 Pole	15, 20, 32, 40, 50, 63	CSET1033	112	Set of 3
CSE1	3 Pole	80, 100, 125	CSET1033C	120	Set of 3
CSE1	4 Pole	15, 20, 32, 40, 50, 63	CSET1044	186	Set of 4
CSE1	4 Pole	80, 100, 125	CSET1044C	205	Set of 4
CSE2	3 Pole	160, 200, 250	CSET2533	298	Set of 3
CSE2	4 Pole	160, 200, 250	CSET2544	445	Set of 4
CSE3	3 Pole	320, 350, 400	CSETETW14033	980	Set of 3
CSE3	4 Pole	320, 350, 400	CSETETW14044	1290	Set of 4



<b>Earth Fault Relay (Built in CBCT)</b> Suitable for 3 Phase 3 wire distribution network			
Rating (Amps)	Earth Fault Relay Setting Range	Reference	List Price (₹)
32A	3.2~32A	EFR-CBCT125-AF-32	4220
40A	4~40A	EFR-CBCT125-AF-40	
63A	6.3~63A	EFR-CBCT125-AF-63	
80A	8~80A	EFR-CBCT125-AF-80	
100A	10~100A	EFR-CBCT125-AF-100	
125A	12.5~125A	EFR-CBCT125-AF-125	4600
200A	20~200A	EFR-CBCT250-AF-200	5025
250A	25~250A	EFR-CBCT250-AF-250	
400A	40~400A	EFR-CBCT400-AF-400	
630A	63~630A	EFR-CBCT630-AF-630	5810
800A	80~800A	EFR-CBCT800-AF-800	
1000A	100~1000A	EFR-CBCT1250-AF-1000	9600
1250A	125~1250A	EFR-CBCT1250-AF-1250	

<b>Earth Fault Relay (with NCT)</b> Suitable for 3 Phase 4 wire distribution network			
Rating (Amps)	Earth Fault Relay Setting Range	Reference	List Price (₹)
40A	4~40A	EFR125-AF-40(N)	4010
100A	10~100A	EFR125-AF-100(N)	
125A	12.5~125A	EFR125-AF-125(N)	
200A	20~200A	EFR250-AF-200	4380
250A	25~250A	EFR250-AF-250	
400A	40~400A	EFR400-AF-400	3895
630A	63~630A	EFR630-AF-630	
800A	80~800A	EFR800-AF-800	
1000A	100~1000A	EFR1250-AF-1000	5535
1250A	125~1250A	EFR1250-AF-1250	
			9140

<b>NCT Winbreak1 ETM (Microprocessor) 3 Pole MCCB if ground fault facility is required</b>			
Rating (Amps)	Description	Reference	List Price (₹)
40	40/0.1A	ETMNCT40A	1308
63	63/0.1A	ETMNCT63A	1308
80	80/0.1A	ETMNCT80A	1308
100	100/0.1A	ETMNCT100A	1308
125	125/0.1A	ETMNCT125A	1308
160	160/0.1A	ETMNCT160A	1870
200	200/0.1A	ETMNCT200A	1870
250	250/0.1A	ETMNCT250A	1870
320	320/0.1A	ETMNCT320A	2560
350	350/0.1A	ETMNCT350A	2560
400	400/0.1A	ETMNCT400A	2560



<b>SS Enclosure for WB1 MCCB</b>			
Size	Suitable for WB1 MCCBs	Reference	List Price (₹)
Frame1	CSE1	CSE-ENCL-125	1520
Frame1	CSE2	CSE-ENCL-250	1630

**Notes:**

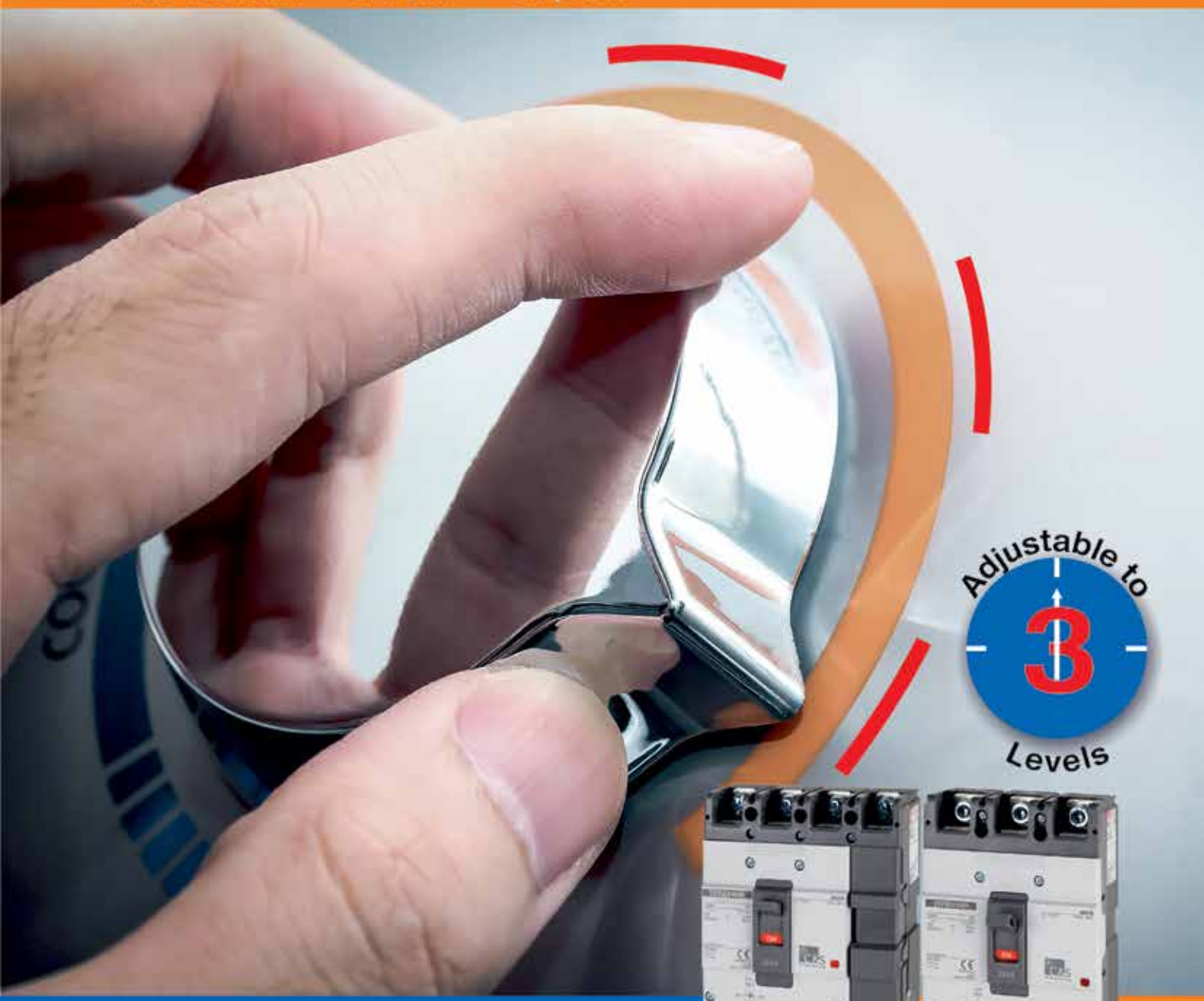
1. Reference Code is for Enclosure only (without MCCB)
2. For Placing an order for MCCB along with Enclosure, please apply prefix E-before MCCB Reference Code. For Price, please contact nearest branch office

introducing

# WiNbreak - CSC Series

Adjustable Overload: 0.7~1.0 In

■ Ics=100% Icu ■ Ui=750V ■ Uimp=8kV



Adjustable to  
**3**  
Levels



## Salient Features

- Conforms to IS/IEC 60947-2
- Breaking Capacity: 37kA @ 415V AC
- Range: 20A-250A, 3P & 4P
- Adjustable Overload: 0.7~1.0 In
- Frame Size: 125AF & 250AF
- Positive Isolation
- Trip Free Mechanism
- Composed to User-Friendly Method
- Wide Range of installable accessories
- Internal & External Accessories can be commonly used in all WiNbreak-CSC MCCB

*For further detail please contact nearest Branch Office*

**WiNbreak MCCB - CS Series**

- Conforms to IS/IEC 60947-2
- Range: 15A-400A, 2, 3 & 4 Pole
- Breaking capacity: 10kA, 18kA & 25kA
- Positive Isolation
- Trip free mechanism
- SS Enclosure available
- Standard packing includes Spreader terminals, Insulating phase barriers and Hardwares



FTM (Thermal Magnetic) Release • Fixed Overload • Fixed short circuit								
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	2 Pole Reference	List Price (₹)	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 1	15, 20, 30, 32, 40, 50, 60, 63#	10kA	CS2A2*	1800	CS2A3*	2040	CS2A4*	2810
	75, 100		CS2A2*	1850	CS2A3*	2120	CS2A4*	2910
	125		-	-	CS2A3*	3215	CS2A4*	4330
Frame 3	150, 175	18kA	CS3A2*	5310	CS3A3*	6910	CS3A4*	9120
	200		CS3A2*	6420	CS3A3*	7460	CS3A4*	9850
	250		CS3A2*	7000	CS3A3*	8330	CS3A4*	10380
Frame 2	15, 20, 30, 40, 50, 60#	25kA	CS2B2*	3860	CS2B3*	4340	CS2B4*	5280
	75, 100		CS2B2*	3910	CS2B3*	4460	CS2B4*	5400
Frame 3	150, 175		CS3B2*	7570	CS3B3*	8020	CS3B4*	10430
	200		CS3B2*	8510	CS3B3*	9270	CS3B4*	12050
	250		CS3B2*	11370	CS3B3*	12840	CS3B4*	16040
Frame 4	300⚡		-	-	-	CS4A3*	20930	CS4A4*
	350, 400⚡	-	-	-	CS4A3*	21750	CS4A4*	26100

- Notes :**
1. While Ordering, Replace "\*" by current rating
  2. # Spreader Terminals are not included
  3. ⚡ Ics=100% Icu

**Accessories**

Suitable for use on MCCBs	Shunt Trip (SHT)		Under Voltage Trip (UVT)		Auxiliary Switch (AX)		Alarm Switch (AL)		Direct Rotary Handle		Extended Rotary Handle	
	Reference	List Price (₹)	Reference	List Price (₹)	Reference	List Price (₹)	Reference	List Price (₹)	Reference	List Price (₹)	Reference	List Price (₹)
CS2A	ST-A(..V)	1220	UVT-A(..V)	1530	ASW-A(*)	760	ALSW-A(*)	760	D-35S	1040	CSE-35S	960
CS2B	ST-B(..V)	1220	UVT-B(..V)	1530	ASW-B(*)	760	ALSW-B(*)	760	D-45S	1170	CSE-45	960
CS3A / CS3B	ST-C(..V)	1220	UVT-C(..V)	1530	ASW-C(*)	760	ALSW-C(*)	760	D-55S	1240	CSE-55	1065
CS4A	ST-6A(..V)	1575	UVT-6A(..V)	1915	ASW-6A	1220	ALSW-6A	1220	N-70S	1680	E-70U	2745

- Notes:**
1. \*Please read R as MCCB left hand side position & T as right hand position
  2. For Frame1, Frame 2 & Frame3 shunt trip is available in 12VAC/DC, 24VAC/DC, 48VAC/DC, 110VAC/DC, 220VAC/DC, 415VAC (Replace ST-A(..V), ST-B(..V) and ST-C(..V) by required voltage)
  3. For Frame4 shunt trip is available in 24-48VAC/DC, 100-220VDC, 100-240VAC, 380-550VAC/DC (Replace ST-6A(..V) by required voltage)
  4. Rotary Handle for 2 Pole, Frame1 & Frame2 is not available.
  5. For Frame1, Frame2 & Frame3 UVT is available in 24VAC/DC, 48VAC/DC, 110VAC/DC, 220VAC/DC & 415VAC (Replace ST-A(..V), ST-B(..V) and ST-C(..V) by required voltage)
  6. For Frame4 UVT is available in 48VAC/DC, 100-125VAC, 100-110VDC, 220-240VAC, 200-220VDC, 380-440VAC & 440-480VAC (Replace UVT-6A(..V) by required voltage)
  7. Maximum possibilities for internal accessories

**Frame1, Frame2 & Frame3 :**

Left hand seat - AX or AL

Right hand seat - AX or AL or SHT or UVT

**Frame 4:**

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

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



SS Enclosure for WB MCCB			
Size	Suitable for use on MCCBs	Reference*	List Price (₹)
Frame 1	CS2A	CS-CNM0100020	1875
Frame 2	CS2B	CS-CNM0100021	1890
Frame 3	CS3A, CS3B	CS-CNM0100021	1890
Frame 4	CS4A	ENCL-250-400AF3	2920

- Notes:**
- 1) \*Reference code is for Enclosure only (without MCCB)
  - 2) For placing an order for MCCB along with Enclosure, please apply Prefix E- before MCCB Reference Code. For Price, please contact nearest Branch Office.

## WiNbreak MCCB - CSC Series

- Conforms to IS/IEC 60947-2
- Ics=100%Icu
- Range: 15A-1200A, 2, 3 & 4 Pole
- Breaking capacity: 18kA, 26kA, 37kA, 50kA, 65kA & 85kA
- Positive Isolation
- Trip free mechanism
- Wide range of Internal & External Accessories
- SS Enclosure available
- Standard packing includes insulating phase barriers and hardwares

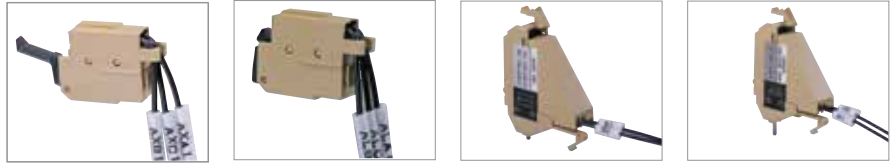


FTM (Thermal Magnetic) Release • Fixed Overload • Fixed short circuit								
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	2 Pole Reference	List Price (₹)	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 1	15, 20, 30, 40, 50	18kA	CSC1S2*	3040	CSC1S3*	3370	CSC1S4*	4460
	60, 75, 100		CSC2N2*	3050	CSC2N3*	3380	CSC2N4*	4470
Frame 3	150, 175	26kA	CSC4N2*	7270	CSC4N3*	8250	CSC4N4*	10240
	200		CSC4N2*	8270	CSC4N3*	9400	CSC4N4*	11340
	250		CSC4N2*	10810	CSC4N3*	11630	CSC4N4*	14770
Frame 2	15, 20, 30, 40, 50, 60	37kA	CSC3S2*	3930	CSC3S3*	4490	CSC3S4*	5480
	75, 100		CSC3S2*	4000	CSC3S3*	4530	CSC3S4*	5520
	125		CSC3S2*	4150	CSC3S3*	4560	CSC3S4*	5580
Frame 3	150, 175		-	-	CSC4S3*	9290	CSC4S4*	12070
	200		-	-	CSC4S3*	11100	CSC4S4*	13320
Frame 4	250		-	-	CSC4S3*	14030	CSC4S4*	17630
	300 ♦		-	-	CSC5N3*	22150	CSC5N4*	25920
Frame 5	350, 400 ♦		-	-	CSC5N3*	23200	CSC5N4*	27160
	500, 630		-	-	CSC6N3*	23180	CSC6N4*	27620
Frame 5	700, 800	-	-	CSC6N3*	33460	CSC6N4*	41960	
	Frame 2	15, 20, 30, 40, 50, 60	-	-	CSC3H3*	7360	CSC3H4*	9460
75, 100		-	-	CSC3H3*	7420	CSC3H4*	9720	
125		-	-	CSC3H3*	9480	CSC3H4*	12410	
Frame 3	150, 175	50kA	-	-	CSC4H3*	12010	CSC4H4*	15380
	200		-	-	CSC4H3*	13520	CSC4H4*	18160
	250		-	-	CSC4H3*	19890	CSC4H4*	24830
Frame 4	300 ♦		-	-	CSC5S3*	23010	CSC5S4*	26000
	350, 400 ♦		-	-	CSC5S3*	25320	CSC5S4*	29120
Frame 4	300 ♦		65kA	-	-	☒ CSC5H3*	25010	☒ CSC5H4*
	350, 400 ♦	-		-	☒ CSC5H3*	25810	☒ CSC5H4*	31490
Frame 5	500, 630	-		-	CSC6S3*	25290	CSC6S4*	31100
	700, 800	-		-	CSC6S3*	38070	CSC6S4*	47730
Frame 4	300 ♦	85kA	-	-	☒ CSC5L3*	32340	☒ CSC5L4*	45350
	350, 400 ♦		-	-	☒ CSC5L3*	33180	☒ CSC5L4*	46290
Frame 5	500, 630	85kA	-	-	☒ CSC6L3*	47470	☒ CSC6L4*	59400
	700, 800		-	-	☒ CSC6L3*	81060	☒ CSC6L4*	91180

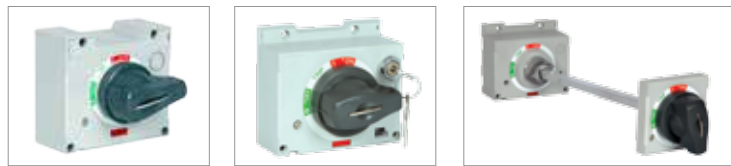
FTM (Thermal Magnetic) Release • Fixed Overload • Fixed short circuit • Ics=50%Icu								
Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	2 Pole Reference	List Price (₹)	3 Pole Reference	List Price (₹)	4 Pole Reference	List Price (₹)
Frame 6	1000 ♦	65kA	-	-	CSC7S3*	96410	CSC7S4*	119540
	1200 ♦		-	-	CSC8S3*	101520	CSC8S4*	121100
Frame 6	1000 ♦	85kA	-	-	☒ CSC7L3*	123190	☒ CSC7L4*	147590
	1200 ♦		-	-	☒ CSC8L3*	141980	☒ CSC8L4*	170880

### Notes :

1. While Ordering, Replace "\*" by Current rating.
2. ♦ Spreader Terminals are included as standard packing.
3. For Spreader Terminals reference & List Price, please refer page 48.

**WiNbreak MCCB - CSC Series**


<b>Accessories</b>										
Suitable for use on WB-CSC MCCBs	Shunt Trip (SHT)	List Price (₹)	Under Voltage Trip (UVT)	List Price (₹)	Auxiliary Switch (AX)	List Price (₹)	Alarm Switch (AL)	List Price (₹)	Combination Switch (AX + AL)	List Price (₹)
CSC1, CSC2, CSC3, CSC4	STC(...V)	1180	UVTC(...V)	1380	AXWC-(*)	790	ALWC-(*)	790	XLC-(*)	1760
CSC5, CSC6	ST-6A(...V)	1570	UVT-6A(...V)	1920	ASW-6A	1220	ALSW-6A	1220	-	-
CSC7, CSC8	ST-7A(...V)	7710	UVT-7A(...V)	7710	ASW-7A	2730	ALSW-7A	2730	-	-



Suitable for use on WB-CSC MCCBs	Direct Rotary Handle	List Price (₹)	Direct Rotary Handle with Key Lock	List Price (₹)	Extended Rotary Handle	List Price (₹)
CSC1, CSC2	DHC100	1180	DHCK100	3400	CSE-35S■	960
					EHC100	2000
CSC3	DHC125	1220	DHCK125	3505	CSE-45S■	960
					EHC125	2120
CSC4	DHC250	1440	DHCK250	3710	EHC250	2340
CSC5	N70S	1680	-	-	E70U	2720
CSC6	-	-	-	-	E80U	3030

- Notes:**
- Please replace "\*" with R as MCCB left hand side position & T as MCCB right hand position.
  - Left Hand seat is not available in 2 Pole MCCB in Frame 1 & Frame 2
  - For Frame 1, Frame 2, Frame 3 & Frame 4 - Shunt Trip is available in 12V AC/DC, 24V AC/DC, 48V AC/DC, 60V AC/DC, 100-130V AC/DC, 200-250V AC/DC, 380-450VAC, 440-550VAC. (Replace STC(...V) by required voltage)
  - For Frame 5 - Shunt Trip is available in 100-240V AC, 100-220V DC, 24-48V AC/DC, 380-550VAC. (Replace ST-6A(...V) by required voltage)
  - For Frame 6 - Shunt Trip is available in 200-220VAC (Replace ST-7A(...V) by required voltage)
  - For Frame 1, Frame 2, Frame 3 & Frame 4-UVT is available in 24V AC/DC, 48V AC/DC, 100-110V AC/DC, 200-220V AC/DC, 380-400VAC, 440-480VAC. (Replace UVTC(...V) by required voltage)
  - For Frame 5 - UVT is available in 100-125V AC, 100-110V DC, 200-240VAC, 220-220VDC, 380-400VAC & 440-480VAC. (Replace UVT-6A(...V) by required voltage)
  - For Frame 6 - UVT is available in 200-220VAC (Replace UVT-7A(...V) by required voltage)
  - Rotary Handle for 2 Pole Frame 1 & Frame 2 is not available.
  - Conventional type

**Maximum possibilities for auxiliaries**

Left-hand seat

Right-hand seat

- 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    or    or  
AX    AX    UVT

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

SHT    AL    AL  
or    or    or  
UVT    AX    AX
- 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

**WiNbreak MCCB - CSC Series**

**Terminal Covers**

Suitable for use on WB-CSC MCCBs	For Line/Load Side					
	2P Reference	List Price (₹)	3P Reference	List Price (₹)	4P Reference	List Price (₹)
CSC1, CSC2	TCS12	215	TCS13	370	TCS14	405
CSC3	TCS22	290	TCS23	525	TCS24	610
CSC4	TCS33	615	TCS33	615	TCS34	690


**Mechanical Interlock**

Suitable for use on MCCBs	Applied between two MCCBs			
	Reference 3 Pole	List Price (₹)	Reference 4 Pole	List Price (₹)
CSC5	MI-43S	3410	MI-44S	4250
CSC6	MI-83S	4250	MI-84S	5020


**Spreader Terminals**

Suitable for use on MCCBs	Pole	Current Rating (A)	Reference	List Price (₹)	Std Pkg. (No's)
CSC1, CSC2, CSC3	2 Pole	15, 20, 30, 40, 50, 60	CSET1022	90	Set of 3
CSC1, CSC2, CSC3		75, 100	CSET1022C	110	Set of 3
CSC1, CSC2, CSC3	3Pole	15, 20, 30, 40, 50, 60	CSET1033	112	Set of 3
CSC1, CSC2, CSC3		75, 100	CSET1033C	120	Set of 3
CSC1, CSC2, CSC3	4 Pole	15, 20, 30, 40, 50, 60	CSET1044	186	Set of 4
CSC1, CSC2, CSC3		75, 100	CSET1044C	205	Set of 4
CSC4	2 Pole	150, 175, 200, 250	CSET2522	225	Set of 3
CSC4	3 Pole	150, 175, 200, 250	CSET2533	298	Set of 3
CSC4	4 Pole	150, 175, 200, 250	CSET2544	500	Set of 4
CSC6	3 Pole	500, 630, 700, 800	CSET8033	2020	Set of 3
CSC6	4 Pole	500, 630, 700, 800	CSET8044	2450	Set of 4


**SS Enclosure for WB MCCB**

Size	Suitable for use on MCCBs	Reference*	List Price (₹)
Frame 1	CSC1, CSC2	CS-CNM0100020	1780
Frame 2	CSC3	CS-CNM0100021	1790
Frame 3	CSC4	CS-CNM0100021	1790
Frame 4	CSC5	ENCL-250-400AF3	2770
Frame 5	CSC6	CS-CNM0100203	4660
Frame 6	CSC7, CSC8	CS-CNM0100204	5200

**Notes:**

- \*Reference code is for Enclosure only (without MCCB)
- For placing an order for MCCB along with Enclosure, please apply Prefix **E-** before MCCB Reference Code. For Price, please contact nearest Branch Office.

## Switch Disconnecter Fuse Unit (without Fuse Links)

- Conforms to IS/IEC 60947-3
- Range: 32-800A, 415V AC 50Hz
- Door Interlock and Padlock facility
- Version: 2P / TP / TPN / 4P
- Modular Construction
- Positive Isolation
- Suitable for DIN & Bolted HRC Fuse Links



Size	Rating Amps	Pole	CSSDF in Open Execution				CSSDF in Sheet Steel Enclosure				Recommended Fuse Links Type (IEC Size)		
			Reference	List Price (₹)	Reference	List Price (₹)	Reference	List Price (₹)	Reference	List Price (₹)	DIN	BS	
			DIN		BS		DIN		BS				
Frame1	32A	2P	CSSDF32D2		CSSDF32B2							CDFL00 32	CTIA-32 (A2)
		TP	CSSDF32D3	1440	CSSDF32B3	1450	E-CSSDF32D3	2920	E-CSSDF32B3	3080			
		TPN	CSSDF32D3N	1510	CSSDF32B3N	1530	E-CSSDF32D3N	3050	E-CSSDF32B3N	3100			
		4P	CSSDF32D4FN	1980	CSSDF32B4FN	2010	E-CSSDF32D4FN	3390	E-CSSDF32B4FN	3470			
Frame1	63A	2P	CSSDF63D2		CSSDF63B2							CDFL00 63	CTIS-63 (A3)
		TP	CSSDF63D3	2040	CSSDF63B3	2080	E-CSSDF63D3	3550	E-CSSDF63B3	3420			
		TPN	CSSDF63D3N	2150	CSSDF63B3N	2190	E-CSSDF63D3N	3870	E-CSSDF63B3N	3970			
		4P	CSSDF63D4FN	2520	CSSDF63B4FN	2560	E-CSSDF63D4FN	4060	E-CSSDF63B4FN	4120			
Frame2	100A	2P	CSSDF100D2		CSSDF100B2							CDFL00 100/ CSDFL00 100	CTCP-100(A4)
		TP	CSSDF100D3	4510	CSSDF100B3	4570	E-CSSDF100D3	6040	E-CSSDF100B3	6310			
		TPN	CSSDF100D3N	4750	CSSDF100B3N	4810	E-CSSDF100D3N	6600	E-CSSDF100B3N	6730			
		4P	CSSDF100D4FN	5650	CSSDF100B4FN	5920	E-CSSDF100D4FN	7290	E-CSSDF100B4FN	7690			
Frame2	125A	2P	CSSDF125D2		CSSDF125B2							CDFL00 125/ CSDFL00 125	CTCP-125(A4)
		TP	CSSDF125D3	4820	CSSDF125B3	4940	E-CSSDF125D3	7380	E-CSSDF125B3	6960			
		TPN	CSSDF125D3N	5080	CSSDF125B3N	5200	E-CSSDF125D3N	7670	E-CSSDF125B3N	7850			
		4P	CSSDF125D4FN	6250	CSSDF125B4FN	6550	E-CSSDF125D4FN	7870	E-CSSDF125B4FN	8320			
Frame2	160A	2P	CSSDF160D2		CSSDF160B2							CDFL00 160	CTF-160(B2)
		TP	CSSDF160D3	5810	CSSDF160B3	5870	E-CSSDF160D3	7840	E-CSSDF160B3	7920			
		TPN	CSSDF160D3N	6110	CSSDF160B3N	6180	E-CSSDF160D3N	8430	E-CSSDF160B3N	8590			
		4P	CSSDF160D4FN	7330	CSSDF160B4FN	8040	E-CSSDF160D4FN	10490	E-CSSDF160B4FN	11580			
Frame3	200A	2P	CSSDF200D2		CSSDF200B2							CDFL1 200/ CSDFL1 200	CTF-200(B2)
		TP	CSSDF200D3	6740	CSSDF200B3	6580	E-CSSDF200D3	9030	E-CSSDF200B3	8220			
		TPN	CSSDF200D3N	7710	CSSDF200B3N	7280	E-CSSDF200D3N	9590	E-CSSDF200B3N	9830			
		4P	CSSDF200D4FN	8520	CSSDF200B4FN	8660	E-CSSDF200D4FN	11080	E-CSSDF200B4FN	11225			
Frame3	250A	2P	CSSDF250D2		CSSDF250B2							CDFL1 250/ CSDFL1 250	CTKF(B3)
		TP	CSSDF250D3	8120	CSSDF250B3	8250	E-CSSDF250D3	10480	E-CSSDF250B3	10220			
		TPN	CSSDF250D3N	8560	CSSDF250B3N	8680	E-CSSDF250D3N	11550	E-CSSDF250B3N	11640			
		4P	CSSDF250D4FN	9760	CSSDF250B4FN	9980	E-CSSDF250D4FN	12690	E-CSSDF250B4FN	12970			
Frame3	315A	2P	CSSDF315D2		CSSDF315B2							CDFL2 315/ CSDFL2 315	CTKF-315(B3)
		TP	CSSDF315D3	10430	CSSDF315B3	10560	E-CSSDF315D3	13050	E-CSSDF315B3	13940			
		TPN	CSSDF315D3N	10980	CSSDF315B3N	11120	E-CSSDF315D3N	14390	E-CSSDF315B3N	14570			
		4P	CSSDF315D4FN	13070	CSSDF315B4FN	14120	E-CSSDF315D4FN	17260	E-CSSDF315B4FN	18640			
Frame3	400A	2P	CSSDF400D2		CSSDF400B2							CDFL2 400/ CSDFL2 400	CTMF-400(B4)
		TP	CSSDF400D3	12850	CSSDF400B3	13110	E-CSSDF400D3	15930	E-CSSDF400B3	16390			
		TPN	CSSDF400D3N	13530	CSSDF400B3N	13800	E-CSSDF400D3N	17050	E-CSSDF400B3N	17390			
		4P	CSSDF400D4FN	15160	CSSDF400B4FN	16700	E-CSSDF400D4FN	18200	E-CSSDF400B4FN	20040			
Frame4	630A	2P	CSSDF630D2		CSSDF630B2							CDFL3 630	CTTM-630(C2)
		TP	CSSDF630D3	21240	CSSDF630B3	22390	E-CSSDF630D3	22910	E-CSSDF630B3	25080			
		TPN	CSSDF630D3N	22370	CSSDF630B3N	23540	E-CSSDF630D3N	25270	E-CSSDF630B3N	26630			
		4P	CSSDF630D4FN	24360	CSSDF630B4FN	25930	E-CSSDF630D4FN	29480	E-CSSDF630B4FN	31370			
Frame4	800A	2P	CSSDF800D2		CSSDF800B2							-	CTLM-800(C3)
		TP	CSSDF800D3	25900	CSSDF800B3	27170	E-CSSDF800D3	POR	E-CSSDF800B3	POR			
		TPN	CSSDF800D3N	27260	CSSDF800B3N	28600	E-CSSDF800D3N	POR	E-CSSDF800B3N	POR			
		4P	CSSDF800D4FN	29160	CSSDF800B4FN	32030	E-CSSDF800D4FN	POR	E-CSSDF800B4FN	POR			

Notes: \* 2 Pole switch prices available on request.



## Accessories Switch Disconnecter Fuse Unit



For Switch Type	Reference	List Price (₹)
<b>Key Interlocks (3 Locks - 2 Keys)</b>		
CSSDF 32A - 160A	CSSDFZW-16	2820
CSSDF 200A - 800A	CSSDFZW-5	3160



<b>Castle Key Locks</b>		
CSSDF 32A - 160A	CSSDFZW-15	3610
CSSDF 200A - 800A	CSSDFZW-4	3800



<b>Auxiliary Contacts</b>		
1 NO + 1 NC CSSDF 32A - 63A for 3P	CSSDFZX 46	485
2 NO + 2 NC CSSDF 32A - 63A for 3P	CSSDFZX 32	895
1 NO + 1 NC CSSDF 32A - 63A for 2P & 4P	CSSDFZX 46B	485
2 NO + 2 NC CSSDF 32A - 63A for 2P & 4P	CSSDFZX 32B	895
1 NO + 1 NC CSSDF 100A - 160A	CSSDFZX 1	485
2 NO + 2 NC CSSDF 100A - 160A	CSSDFZX 16	895
1 NO + 1 NC CSSDF 200A - 400A	CSSDFZX 33	485
2 NO + 2 NC CSSDF 200A - 400A	CSSDFZX 34	895
1 NO + 1 NC CSSDF 630A - 800A	CSSDFZX 35	485
2 NO + 2 NC CSSDF 630A - 800A	CSSDFZX 36	895



<b>Handle Mounting Kit (for independent mounting of O/E Switches)</b>		
CSSDF 200A - 400A	HMK-1-2	1225
CSSDF 630A - 800A	HMK-3-2	1295



<b>Extended Terminals</b>						
32A-63A	TPN	ET-323	328	4P	ET-324	390
100A-160	TPN	ET-327	780	4P	ET-328	1120
200A-400A	TPN	ET-329	2295	4P	ET-330	2790



<b>Spare Handle</b>		
CSSDF 32A-160A (Moulded)	CSWH 80 S6	505
CSSDF 200A-400A (Moulded)	CSWH 145 S12	865
CSSDF 630A-800A (Moulded)	CSWH 220 S12	1105

<b>Spare Handle Shaft</b>		
CSSDF 32A-160A	CSP6x165	225
CSSDF 200A-800A	CSP12x255	380



<b>Spare Neutral Links</b>		
CSSDF 32A-63A	CSSDF ZX 87	311
CSSDF 100A-160A	CSSDF ZX 86	370
CSSDF 200A-400A	CSSDF ZX 85	640
CSSDF 630A-800A	CSSDF ZX 88	730

<b>Spare Poles (Price per Pole)</b>			
Rating (Amps)	Reference		List Price (₹)
	DIN	BS	
32	CSSDF-SP-32D	CSSDF-SP-32B	866
63	CSSDF-SP-63D	CSSDF-SP-63B	1115
100	CSSDF-SP-100D	CSSDF-SP-100B	2090
125	CSSDF-SP-125D	CSSDF-SP-125B	2305
160	CSSDF-SP-160D	CSSDF-SP-160B	2695
200	CSSDF-SP-200D	CSSDF-SP-200B	3125
250	CSSDF-SP-250D	CSSDF-SP-250B	4272
315	CSSDF-SP-315D	CSSDF-SP-315B	4785
400	CSSDF-SP-400D	CSSDF-SP-400B	6135
630	CSSDF-SP-630D	CSSDF-SP-630B	8730
800	--	CSSDF-SP-800B	10640

## Switch Disconnectors (Load Break Switches)

- Conforms to IS/IEC 60947-3
- Range: 25A-250A, 415V AC 50Hz
- Version: TP / 4P
- Compact Construction
- Door Interlock and Padlock facility
- Positive Isolation



Size	Rating Amps	Pole	CSSD In Open Execution		In Sheet Steel Enclosure	
			Reference	List Price (₹)	Reference	List Price (₹)
D-Series	25	3	CSSD25D3	1190	E-CSSD25D3	2490
		4	CSSD25D4	1510	E-CSSD25D4	2705
	40	3	CSSD40D3	1220	E-CSSD40D3	2930
		4	CSSD40D4	2380	E-CSSD40D4	3130
	63	3	CSSD63K3	1840	E-CSSD63K3	3460
	63	4	CSSD63D4	2590	E-CSSD63D4	4100
NM-Series	125	3	CSSD125D3	4100	E-CSSD125D3	5730
		4	CSSD125D4	4990	E-CSSD125D4	6370
	160	3	CSSD125NM3	4270	E-CSSD125NM3	6315
		4	CSSD125NM4	5270	E-CSSD125NM4	7790
	200	3	CSSD160NM3	4765	E-CSSD160NM3	7050
		4	CSSD160NM4	5675	E-CSSD160NM4	8400
	250	3	CSSD200NM3	6080	E-CSSD200NM3	7905
		4	CSSD200NM4	7895	E-CSSD200NM4	10260
	250	3	CSSD250NM3	6155	E-CSSD250NM3	9110
		4	CSSD250NM4	8545	E-CSSD250NM4	12645



Switch Disconnecter with Detachable Handle					
Size	Rating Amps	Pole	CSSD In Open Execution		
			Reference	List Price (₹)	
Frame1	125	3	CSSD125NM3-D	3815	
		4	CSSD125NM4-D	4740	
Frame1	160	3	CSSD160NM3-D	4750	
		4	CSSD160NM4-D	5675	
Frame1	200	3	CSSD200NM3-D	4900	
		4	CSSD200NM4-D	7110	
Frame1	250	3	CSSD250NM3-D	6470	
		4	CSSD250NM4-D	7555	

**Note:** Rotary Handle with door defeat Mechanism / Pistol grip handle is available only for 25-63A.

## Switch Disconnectors (Load Break Switches)

- Conforms to IS/IEC 60947-3
- Range: 125A-3150A, 415V, 50Hz
- Version: 2P, 3P, 4P
- Modular construction
- Positive Isolation
- Door Interlock and Padlock facility ■



Size	Rating Amps	Pole	CSSD In Open Execution		In Sheet Steel Enclosure		
			Reference	List Price (₹)	Reference	List Price (₹)	
DM-Series	Frame4	125	2	CSSD125DM2	POR		POR
		3	CSSD125DM3	E-CSSD125DM3			
		4	CSSD125DM4	E-CSSD125DM4			
	Frame4	160	2	CSSD160DM2			
			3	CSSD160DM3		E-CSSD160DM3	
			4	CSSD160DM4		E-CSSD160DM4	
	Frame5	200	2	CSSD200DM2			
			3	CSSD200DM3		E-CSSD200DM3	
			4	CSSD200DM4		E-CSSD200DM4	
	Frame5	250	2	CSSD250DM2			
			3	CSSD250DM3		E-CSSD250DM3	
			4	CSSD250DM4		E-CSSD250DM4	
Frame5	315	2	CSSD315DM2	POR		-	
		3	CSSD315DM3	9950	E-CSSD315DM3	11940	
		4	CSSD315DM4	11570	E-CSSD315DM4	13880	
Frame5	400	2	CSSD400DM2	POR		-	
		3	CSSD400DM3	11800	E-CSSD400DM3	14150	
		4	CSSD400DM4	13720	E-CSSD400DM4	16460	
K Series	Frame6	630	2	CSSD630K2	POR		-
			3	CSSD630K3	17420	E-CSSD630K3	20210
			4	CSSD630K4	20250	E-CSSD630K4	23490
	Frame6	800	2	CSSD800K2	POR		-
			3	CSSD800K3	20380	E-CSSD800K3	23640
			4	CSSD800K4	23700	E-CSSD800K4	28440
P Series	Frame7	1000	2	CSSD1000P2	POR		-
			3	CSSD1000P3	25380	E-CSSD1000P3	37560
			4	CSSD1000P4	33830	E-CSSD1000P4	50070
	Frame7	1250	2	CSSD1250P2	POR		-
			3	CSSD1250P3	34440	E-CSSD1250P3	46830
			4	CSSD1250P4	45310	E-CSSD1250P4	61610
	Frame7	1600	2	CSSD1600P2	POR		-
			3	CSSD1600P3	43130	E-CSSD1600P3	58650
			4	CSSD1600P4	57500	E-CSSD1600P4	78200
	Frame8	2000	3	CSSD2000P3	86290	E-CSSD2000P3	111320
			4	CSSD2000P4	98060	E-CSSD2000P4	126500
	Frame8	2500	3	CSSD2500P3	96520	E-CSSD2500P3	123550
4			CSSD2500P4	109690	E-CSSD2500P4	140400	
Frame8	3150	3	CSSD3150P3	121810	E-CSSD3150P3	165680	
		4	CSSD3150P4	138420	E-CSSD3150P4	192400	

### Notes:

'K' series from 1000A to 3150A in open execution is also available on special request for retrofit orders only. For price, please contact nearest Branch Office.  
Handle colour: Red Knob and Yellow Base (standard) Black Base and Knob on request. ■ upto 800A

## Switch Disconnectors (Moulded construction)

### ACCESSORIES



For Switch Type	Reference	List Price (₹)
<b>Key Interlocks (3 Locks - 2 Keys)</b>		
CSSD 125A-160A	CSSDZW - 16	3785
CSSD 200A-3150A	CSSDZW - 5	

<b>Castle Key Locks</b>		
CSSD 25A-160A	CSSDZW - 15	3190
CSSD 200A-3150A	CSSDZW - 4	

<b>Auxiliary Contacts</b>				
1 NO+1 NC CSSD 25A-40A	3	CSSDZX 49	495	
2 NO+2 NC CSSD 25A-40A	3	CSSDZX 50	935	
1 NO+1 NC CSSD 25A-40A	4	CSSDZX 87	495	
2 NO+2 NC CSSD 25A-40A	4	CSSDZX 88	935	
1 NO+1 NC CSSD 63A	3	CSSDZX 79	495	
2 NO+2 NC CSSD 63A	3	CSSDZX 80	935	
1 NO+1 NC CSSD 125A	3	CSSDZX 52	495	
2 NO+2 NC CSSD 125A	3	CSSDZX 53	935	
1 NO+1 NC CSSD 63A-125A	4	CSSDZX 55	495	
2 NO+2 NC CSSD 63A-125A	4	CSSDZX 56	935	
1 NO+1 NC CSSD 125A-160A (DM)	3/4	CSSDZX 1	935	
2 NO+2 NC CSSD 125A-160A (DM)	3/4	CSSDZX 16		
1 NO+1 NC CSSD 200A-400A (DM)	3/4	CSSDZX 37		
2 NO+2 NC CSSD 200A-400A (DM)	3/4	CSSDZX 38		
1 NO+1 NC CSSD 630A-800A	3/4	CSSDZX 33		
2 NO+2 NC CSSD 630A-800A	3/4	CSSDZX 34		
1 NO+1 NC CSSD 1000A-3150A	3/4	CSSDZX 35		
2 NO+2 NC CSSD 1000A-3150A	3/4	CSSDZX 36		

<b>Handle Mounting Kit (for independent mounting of O/E Switches)</b>		
CSSD 200A-400A (Compact Series)	HMK-2	1235
CSSD 630A-800A	HMK-1-1	1245
CSSD 1000A-1600A	HMK-3-1	1330

<b>Extended Terminals</b>						
125	TPN	ET-325	443	4P	ET-326	485
125-160 (Compact)	TPN	ET-327	792	4P	ET-328	1130
200-400	TPN	ET-329	2315	4P	ET-330	2820

<b>Rotary Knob Handles</b>		
CSSD 25A-125A (Moulded-Red/Yellow)	CSSDZX108	308
CSSD 25A-125A (Moulded-Black)	CSSDZX111BL	

<b>Switch Handles</b>		
CSSD 200A-800A (Moulded)	CSWH 145 S12	875
CSSD 1000A-1600A (Metallic)	CSWH 220 S12 (M)	1110
CSSD 2500A-3150A (Metallic)	CSDA8	1307
CSSD 125A-160A (Moulded)	CSWH 80 S6	505
CSSD 200A-315A (Moulded)	CSWH80 S8	

<b>Switch Handle Shaft</b>		
CSSD 25A-125A	CSP5X70	340
CSSD 125A-160A (DM)	CAP6X165	225
CSSD 200A-400A (DM)	CSP8X240	
CSSD 630A-1600A	CSP12X255	390
CSSD 2500A-3150A	CSP12X325	475

<b>Switch Poles (Price per Pole)</b>		
125A	CSSD-SP-125DM	1190
160A	CSSD-SP-160DM	1380
200A	CSSD-SP-200DM	1590
250A	CSSD-SP-250DM	2130
315A	CSSD-SP-315DM	3100
400A	CSSD-SP400K	5970
630A	CSSD-SP630K	6845
800A	CSSD-SP800K	9025
1000A	CSSD-SP1000P	13690
1250A	CSSD-SP1250P	16335
1600A	CSSD-SP1600P	17150

## On Load Changeover Switches

- Conforms to IS/IEC 60947-3
- Range: 63A-3150A, 415V, 50Hz
- Version: 4P
- Modular construction
- Positive Isolation
- Door Interlock and Padlock facility ■



In Open Execution					
	Size	Rating (Amps)	Pole	Reference	List Price (₹)
NM-Series	Frame 1	63	4	CSCS63NM4CO*	4090
	Frame 1	100	4	CSCS100NM4CO*	5430
	Frame 2	125	4	CSCS125NM4CO	8130
	Frame 2	160	4	CSCS160NM4CO	8950
	Frame 2	200	4	CSCS200NM4CO	10760
	Frame 2	250	4	CSCS250NM4CO	13160
DM-Series	Frame 2	315	4	CSCS315DM4CO	17340
	Frame 2	400	4	CSCS400DM4CO	25160
K-Series	Frame 3	630	4	CSCS630K4CO	29920
	Frame 3	800	4	CSCS800K4CO	43400
P-Series	Frame 4	1000	4	CSCS1000P4CO	72030
	Frame 4	1250	4	CSCS1250P4CO	98470
	Frame 4	1600	4	CSCS1600P4CO	135940
	Frame 5	2000	4	CSCS2000P4CO	173620
	Frame 5	2500	4	☒ CSCS2500P4CO	232350
	Frame 5	3150	4	☒ CSCS3150P4CO	320230

In Sheet Steel Enclosure					
	Size	Rating (Amps)	Pole	Reference	List Price (₹)
NM-Series	Frame 1	63	4	E-CSCS63NM4CO	5730
	Frame 1	100	4	E-CSCS100NM4CO	7390
	Frame 2	125	4	E-CSCS125NM4CO	10990
	Frame 2	160	4	E-CSCS160NM4CO	12075
	Frame 2	200	4	E-CSCS200NM4CO	13975
	Frame 2	250	4	E-CSCS250NM4CO	17370
DM-Series	Frame 2	315	4	E-CSCS315DM4CO	21330
	Frame 2	400	4	E-CSCS400DM4CO	31710
K-Series	Frame 3	630	4	E-CSCS630K4CO	36500
	Frame 3	800	4	E-CSCS800K4CO	52500
P-Series	Frame 4	1000	4	E-CSCS1000P4CO	90750
	Frame 4	1250	4	E-CSCS1250P4CO	117200
	Frame 4	1600	4	E-CSCS1600P4CO	158060
	Frame 5	2000	4	E-CSCS2000P4CO	211810
	Frame 5	2500	4	☒ E-CSCS2500P4CO	278770
	Frame 5	3150	4	☒ E-CSCS3150P4CO	377870

### Notes:

'K' series from 1000A to 3150A in open execution is also available on special request for retrofit orders only. For price, please contact nearest Branch Office.

\*\*\* 63A-100A, if 1NO+1NC auxiliary contact is required please add price of auxiliary contact from page 48.

- Upto 800A

### On Load Changeover Switches (Available for retrofit orders only)

	Size	Rating (Amps)	Pole	Reference	List Price (₹)
DM-Series	Frame 1	63	4	CSCS63DM4CO	4705
	Frame 1	80	4	CSCS80DM4CO	5830
	Frame 1	100	4	CSCS100DM4CO	6780
	Frame 1	125	4	CSCS125DM4CO	8715
	Frame 1	160	4	CSCS160DM4CO	9410
	Frame 2	200	4	CSCS200DM4CO	11575
	Frame 2	250	4	CSCS250DM4CO	16550

	Size	Rating (Amps)	Pole	Reference	List Price (₹)
DM-Series	Frame 1	63	4	E-CSCS63DM4CO	6540
	Frame 1	80	4	E-CSCS80DM4CO	7935
	Frame 1	100	4	E-CSCS100DM4CO	8808
	Frame 1	125	4	E-CSCS125DM4CO	10980
	Frame 1	160	4	E-CSCS160DM4CO	12600
	Frame 2	200	4	E-CSCS200DM4CO	14590
	Frame 2	250	4	E-CSCS250DM4CO	20190

## On Load Changeover Switches

### ACCESSORIES

Auxiliary Contacts for NM Type Changeover		
Description	Reference	List Price (₹)
1NO +1NC for 63-100A#	CSCONM1 AUX 10	425
1NO +1NC for 125-250A	CSCONM2 AUX 10	
# Factory fitted only.		

Direct handle Mounting Kit for NM Type Changeover		
Rating (Amps)	Reference	List Price (₹)
63-100A	CSCONM1 HMB	340
125-250A	CSCONM2 HMB	425

Switch Handle Shaft for NM Type Changeover		
Rating (Amps)	Reference	List Price (₹)
63-100A	CSPNM1 8X80	237
125-250A	CSPNM2 8X110	316

Handle Sub Assembly for NM Type Changeover		
Rating (Amps)	Reference	List Price (₹)
63-100A	CSCONM1 H 80 S8	475
125-250A	CSCONM2 H 145 S8	678

## Switch Disconnecter Fuse Changeover (without Fuse Link)

LT Switch Disconnecter Fuse Changeover complete with Handle Assembly having Door Interlock and Padlocking arrangement.

4 Pole in Open Execution				
Size	Rating (Amps)	Reference	List Price (₹)	Recommended Fuse Links Type (IEC Size) BS
Frame 1	125	CSCF125B4CO	12465	CTF-125(B2)
	160	CSCF160B4CO	13380	CTF-160(B2)
Frame 2	200	CSCF200B4CO	22585	CTF-200(B2)
	250	CSCF250B4CO	22795	CTKF-250(B3)
	315	CSCF315B4CO	23530	CTKF-315(B3)
	400	CSCF400B4CO	33780	CTMF-400(B4)
Frame 3	630	CSCF630B4CO	39795	CTTM-630(C2)
	800	CSCF800B4CO	48830	CTLM-800(C3)

4 Pole in Sheet Steel Enclosure				
Size	Rating (Amps)	Reference	List Price (₹)	Recommended Fuse Links Type (IEC Size) BS
Frame 1	125	E-CSCF125B4CO	15870	CTF-125(B2)
	160	E-CSCF160B4CO	17350	CTF-160(B2)
Frame 2	200	E-CSCF200B4CO	27320	CTF-200(B2)
	250	E-CSCF250B4CO	27800	CTKF-250(B3)
	315	E-CSCF315B4CO	28790	CTKF-315(B3)
	400	E-CSCF400B4CO	42090	CTMF-400(B4)
Frame 3	630	E-CSCF630B4CO	48010	CTTM-630(C2)
	800	E-CSCF800B4CO	55180	CTLM-800(C3)



## Bypass Switches

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

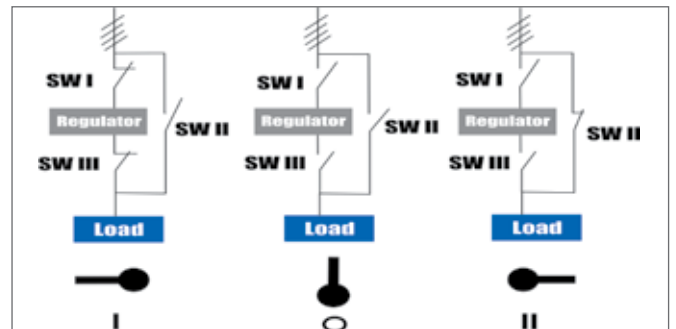
In Open Execution				
Size	Rating (Amps)	Pole	Reference	List Price (₹)
Frame 1	63	4	CSBS63DM4	12960
	80	4	CSBS80DM4	13970
	100	4	CSBS100DM4	14675
	125	4	CSBS125DM4	15935
	160	4	CSBS160DM4	18800
Frame 2	200	4	CSBS200DM4	20290
	250	4	CSBS250DM4	29470
	315	4	CSBS315DM4	30600
	400	4	CSBS400K4	45900
Frame 3	630	4	CSBS630K4	52155
	800	4	CSBS800K4	66950
Frame 4	1000	4	☒CSBS1000P4	120960
	1250	4	☒CSBS1250P4	166120
	1600	4	☒CSBS1600P4	22290

In Sheet Steel Enclosure				
Size	Rating (Amps)	Pole	Reference	List Price (₹)
Frame 1	63	4	E-CSBS63DM4	16285
	80	4	E-CSBS80DM4	17440
	100	4	E-CSBS100DM4	17895
	125	4	E-CSBS125DM4	20380
	160	4	E-CSBS160DM4	22010
Frame 2	200	4	E-CSBS200DM4	24880
	250	4	E-CSBS250DM4	35770
	315	4	E-CSBS315DM4	38210
	400	4	E-CSBS400K4	53540
Frame 3	630	4	E-CSBS630K4	61220
	800	4	E-CSBS800K4	90685
Frame 4	1000	4	☒E-CSBS1000P4	149380
	1250	4	☒E-CSBS1250P4	201660
	1600	4	☒E-CSBS1600P4	266750

**Notes:**

'K' series from 1000A to 3150A in open execution is also available on special request for retrofit orders only. For price, please contact nearest Branch Office. Door interlock & Pad locking arrangements is available upto 800A

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 form incoming source
Position-II	OFF	ON	OFF	Direct Supply, Regulator By-passed & Isolated



## Accessories for Changeover - Type DM/K/P

Auxiliary Contacts					
Contacts Configuration	For Switch Type	Qty./ Switch	Reference	List Price (₹)	
1 NO+1 NC	CSCS/CSBS 63A-160A Upper CSCF 125A-160A	1	CSCSZX1-U	465	
1 NO+1 NC	CSCS/CSBS 63A-160A Lower CSCF 125A-160A	1	CSCSZX1-L	465	
2 NO+2 NC	CSCS/CSBS 63A-160A Upper CSCF 125A-160A	1	CSCSZX3-U	905	
2 NO+2 NC	CSCS/CSBS 63A-160A Lower CSCF 125A-160A	1	CSCSZX3-L	905	
1 NO+1 NC	CSCS/CSBS 200A-1600A CSCF 200A-800A	2	CSCSZX2	937	
2 NO+2 NC	CSCS/CSBS 200A-1600A CSCF 200A-800A	2	CSCSZX4	1810	

**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			
Rating (Amps)	Reference	List Price (₹)	
CSCS/CSBS 63-315A/CSCF125-315A	CCOH 145 S8	738	
CSCS/CSBS 400A-1600A/CSCF400-800A	CCOH 220 S12	955	
CSCS 2000A-3150A (Metallic)	CSDA6	1080	

Spare Poles (Price per Pole)			
Rating (Amps)	Type	Reference	List Price (₹)
63	CSCS/CSBS	CSSD-SP-63DM	1040
80	CSCS/CSBS	CSSD-SP-80DM	1060
100	CSCS/CSBS	CSSD-SP-100DM	1153
125	CSCS/CSBS/CSCF	CSSD-SP-125DM	1173
160	CSCS/CSBS/CSCF	CSSD-SP-160DM	1173
200	CSCS/CSBS/CSCF	CSSD-SP200DM	1575
250	CSCS/CSBS/CSCF	CSSD-SP250DM	2105
315	CSCS/CSBS/CSCF	CSSD-SP315DM	3070
400	CSCS/CSBS/CSCF	CSCS-SP400K	5910
630	CSCS/CSBS/CSCF	CSCS-SP630K	6776
800	CSCS/CSBS/CSCF	CSCS-SP800K	9025
1000	CSCS/CSBS	CSCS-SP1000P	13570
1250	CSCS/CSBS	CSCS-SP1250P	16985
1600	CSCS/CSBS	CSCS-SP1600P	19560

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

Spare Handle Shaft		
Type	Reference	List Price (₹)
CSCS 63-315A CSBS 63-315A CSCF125-315A	CSP8X200	251
CSCS 400A-1600A	CSP12X205	288
CSCS 2000A-3150A CSBS 400A-1600A CSCF 400A-1600A	CSP12X305	463

## Switch Disconnecter Fuse Changeover (Conventional Type / Side-by-Side)

LT Heavy Duty 4 Pole Changeover Switch Disconnecter Fuse unit comprising of two Switches, 32A - 800A, 415V, 50Hz mounted on common chasis complete with Mechanical Interlock and Handle Assembly having Door Interlock & Padlocking arrangements.

CSSDF in Open Execution, 4 Pole				
Size	Rating (Amps)	Reference		List Price (₹)
		DIN	BIS	
Frame 1	32	☒ CSSDF32D4CO	☒ CSSDF32B4CO	7305
	63	☒ CSSDF63D4CO	☒ CSSDF63B4CO	8825
Frame 2	100	☒ CSSDF100D4CO	☒ CSSDF100B4CO	13770
	125	☒ CSSDF125D4CO	☒ CSSDF125B4CO	16130
	160	☒ CSSDF160D4CO	☒ CSSDF160B4CO	20775
Frame 3	200	☒ CSSDF200D4CO	☒ CSSDF200B4CO	27320
	250	☒ CSSDF250D4CO	☒ CSSDF250B4CO	29890
	315	☒ CSSDF315D4CO	☒ CSSDF315B4CO	31630
Frame 4	400	☒ CSSDF400D4CO	☒ CSSDF400B4CO	42330
	630	☒ CSSDF630D4CO	☒ CSSDF630B4CO	59590
	800	-	☒ CSSDF800B4CO	69265

## 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 chasis complete with Mechanical Interlock and Handle Assembly having Door Interlock and Padlocking arrangements.

CSSD in Open Execution, 4 Pole			
Size	Rating (Amps)	Reference	List Price (₹)
Frame 1	25	☒ CSSD25D4CO	5270
	40	☒ CSSD40D4CO	6030
Frame 2	63	☒ CSSD63D4CO	6340
Frame 3	125	☒ CSSD125DM4CO	11820
	160	☒ CSSD160DM4CO	13060
Frame 4	200	☒ CSSD200DM4CO	15045
	250	☒ CSSD250DM4CO	20575
	400	☒ CSSD400K4CO	32590
Frame 5	630	☒ CSSD630K4CO	38390
	800	☒ CSSD800K4CO	52380
Frame 6	1000	☒ CSSD1000P4CO	94822
	1250	☒ CSSD1250P4CO	113490
	1600	☒ CSSD1600P4CO	153365
Frame 7	1800	☒ CSSD1800P4CO	193520
	2500	☒ CSSD2500P4CO	349980
	3150	☒ CSSD3150P4CO	417420

### Note:

- Shorting Links/Busbars NOT provides with open execution in conventional type Changeover Switches Enclosure Prices on request.
- 'K' series from 1000A to 3150A in open execution is also available on special request for retrofit jobs only. For price, please contact nearest Branch Office.

## Off-load Changeover Switch

Reference	Rating (Amps)	Pole	Rated Voltage	List Price (₹)
CSCSOF32CO2	32	2	250 V	1465
CSCSOF63CO2	63	2	250 V	2840
CSCSOF32CO4	32	4	415 V	2455
CSCSOF63CO4	63	4	415 V	5015
CSCSOF100CO4	100	4	415 V	9930
CSCSOF200CO4	200	4	415 V	15060
CSCSOF315CO4	315	4	415 V	19365
CSCSOF400CO4	400	4	415 V	22270

## Accessories - Changeover Switches (CSSDF)

Spare Handles		
For Switch Type	Reference	List Price (₹)
CSSDF 32A - 160A (Moulded)	☒ CCOH 80 S6	525
CSSDF 200A - 400A (Moulded)	☒ CCOH 220 S12	936
CSSDF 630A - 800A (Metallic)	☒ CSDA6	1070

## Operating Mechanism - For CSSDF Changeover Switches

For Switch Type	Reference	List Price (₹)
CSSDF 32A-160A	☒ CSSDFZW1	2920
CSSDF 200A-400A	☒ CSSDZW12/1	8215
CSSDF 630A-800A	☒ CSSDZW12	10120

## Accessories - Changeover Switch (CSSD)

Spare Handles		
For Switch Type	Reference	List Price (₹)
CSSD 25A-125A (Moulded)	☒ CCOH 00 S6	525
CSSD 200A-800A (Moulded)	☒ CCOH 220 S12	935
CSSD 1000A-3150A (Metallic)	☒ CSDA6	1070

## Operating Mechanism

For Switch Type	Reference	List Price (₹)
CSSD 25A - 40A	☒ CSSDZW6	2760
CSSD 63A - 125A (DM type)	☒ CSSDZW6/1	2890
CSSD 200A - 400A (DM type)	☒ CSSDZW11A	2890
CSSD 400A - 800A (K type)	☒ CSSDZW11	5990
CSSD 1000A - 3150A (P type)	☒ CSSDZW12	10120

## Switch Fuse Unit: Rewirable with Side Handle

Reference	Rating (Amps)	Pole	Rated Voltage	List Price (₹)
CSRW16P1NS	16	SPN	240 V	504
CSRW32P1NS	32	SPN	240 V	1255
CSRW16P2S	16	DP	240 V	527
CSRW32P2S	32	DP	240 V	1350
CSRW32P3NS	32	TPN	415V	2017
CSRW63P3NS	63	TPN	415V	4205
CSRW100P3NS	100	TPN	415V	7965
CSRW200P3NS	200	TPN	415V	12620





## HRC Fuse Link, Fuse Base & Fuse Holder

Range 2A-800A

- Conforms to IS 13703-Part 2
- Conforms to IEC 60269-Part 2
- Range: DIN type (6-630A), 500V, AC 50Hz  
Bolted type (2-800A), 415V, AC 50Hz
- High breaking capacity: 80kA



### DIN Type HRC Fuse Link

IS/IEC Size	In A	Reference	List Price (₹)	Std. Pkg. (Nos.)
00	6, 10, 16, 20, 25, 32, 35	CDFL00*	215	3
	40, 50, 63	CSDFL00*	230	
	80	CSDFL00*	241	
	100, 125, 160	CSDFL00*	264	
1	32, 35, 50, 63	CDFL01*	396	
	80, 100, 125	CDFL01*	396	
	160	CDFL01*	405	
	200	CSDFL1*	405	
	250	CSDFL1*	461	
2	100, 125	CDFL02*	525	
	160, 200	CDFL02*	595	
	250	CDFL02*	595	
	315	CSDFL2*	641	
	400	CSDFL2*	660	
3	315, 400	CDFL03*	855	
	500	CDFL3*	1065	
	630	CDFL3*	1065	

While ordering, replace "\*" by current rating.

### Fuse Bases for DIN Type Fuse Link (ISI Mark)

IS/IEC Size	In A	Reference	List Price (₹)	Std. Pkg. (Nos.)
00	160	CSDFB00	232	3
1	250	CSDFB1	460	
2	400	CSDFB2	614	
3	630	CDFB3	1029	

\*Available till stock last.



### Solid Link

IS/IEC Size	In A	Reference	List Price (₹)	Std. Pkg. (Nos.)
00	160	CDSL00	299	3
1	250	CDSL1	399	
2	400	CDSL2	609	
3	630	CDSL3	725	



OFAA DIN Type Fuse Links is also available.

## HRC Fuse Link, Fuse Base & Fuse Holder



DIN Type HRC Fuse Links (ISI mark)				
IS/IEC Size	In A	Reference	List Price (₹)	Std. Pkg. (Nos.)
00	40, 50, 63	CDFL00*	236	3
	80, 100	CDFL00*	246	
	125, 160	CDFL00*	277	
1	32, 35, 50, 63	CDFL1*	441	
	80, 100	CDFL1*	441	
	125, 160	CDFL1*	460	
	200	CDFL1*	460	
	250	CDFL1*	516	
2	100, 125	CDFL2*	674	
	160, 200	CDFL2*	674	
	250	CDFL2*	674	
	315	CDFL2*	720	
	400	CDFL2*	739	



### Bolted Type HRC Fuse Link

Off Set TAG Type				
IS/IEC Size	Rating (Amps)	Reference	List Price (₹)	Std. Pkg. (Nos.)
A1	2, 4, 6, 8, 10, 12 & 16	CNIT*	53	20
A1	20, 25, & 32	CNIT*	53	
A2	4, 6, 10, 16, 20, 25 & 32●	CTIA*	75	10
A3	32, 40, 50 & 63●	CTIS*	87	
A4	50, 63, 80, 100, 125	CTCP*	180	6
-	125, 160, 200	CTFP*	260	3

● "ISI" marked



CNS (Off Set) clip in Type				
IS/IEC Size	In A	Reference	List Price (₹)	Std. Pkg. (Nos.)
F1	2, 4, 6, 8, 10, 12, 16	CNS*	47	20
F1	20, 25, 32	CNS*	53	20



Central TAG (2 hole fixing) Type				
IS/IEC Size	In A	Reference	List Price (₹)	Std. Pkg. (Nos.)
B1	80, 100	CTC*	183	6
B1	125	CTC*	183	
B2	125, 160, 200	CTF*	268	3
B3	250, 300, 315	CTKF*	392	1
B4	355, 400	CTMF*	773	

## HRC Fuse Link, Fuse Base & Fuse Holder



Central TAG (4 hole fixing) Type				
IS/IEC Size	In A	Reference	List Price (₹)	Std. Pkg. (Nos.)
C1	355, 400	CTM*	773	1
C2	450, 500	CTTM*	999	
C2	630	CTTM*	1508	
C3	670, 710, 750, 800	CTLTM*	1740	



Cylindrical HRC Fuse Link				
IS/IEC Size	In A	Reference	List Price (₹)	Std. Pkg. (Nos.)
(14*51)	2, 4, 6, 8 & 10	CHF*	106	1
(14*51)	16, 20 & 25	CHF*	106	
(14*51)	32 & 40	CHF*	116	
(14*51)	50	CHF*	184	
(14*51)	63	CHF*	193	
(10*38)	2, 4, 6, 8, 10 & 16	CGF*	39	
(10*38)	20 & 25	CGF*	39	
(10*38)	32	CGF*	39	



HRC Fuse Holder for Bolted Type Fuse Link						
IS/IEC Size	In A	Reference	List Price (₹)	Reference	List Price (₹)	Std. Pkg. (Nos.)
F1	20	CNS20HN	113	CNS20H●	120	1
F1	32	CNS32H	123	-	-	
A2	32	CSM32HN	195	CSM32H●	207	
A3	63	CSM63HN	251	CSM63H●	261	
A4	100	-	-	CSM100H	750	
A4	100	-	-	CSM100B	846	

● "ISI" marked



Fuse Holder for Cylindrical HRC Fuse Link				
IS/IEC Size	In A	Reference	List Price (₹)	Std. Pkg. (Nos.)
14 x 51	32	CHO32R	126	10
14 x 51	63	CHC63R	164	



Fuse Puller (for DIN type Fuse Link 6~630Amp)		
Reference	List Price (₹)	Std. Pkg. (Nos.)
CDFH 003	241	10



Porcelain Rewirable Fuse Holder (Kit-Kat)				
Reference	Rating (Amps)	Fuse Wire Size (Max.)	List Price (₹)	Std. Pkg.
CSKTRW32	32	22SWG	204	3
CSKTRW63	63	18SWG	325	
CSKTRW100	100	14SWG	651	
CSKTRW200	200	2 X 14SWG	1348	



# Maximum Retail Price

Power Control Components

Final Power Distribution Components

## General Terms & Conditions

Maximum Retail Price are subject to revision without prior notice and will be applicable as prevailing at the time of dispatch.

- This supercedes all previous Price Lists.
- Maximum Retail Price (MRP) mentioned are maximum recommended selling prices inclusive of GST.
- All Prices are in Indian Rupees.

### 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 billing address with all necessary documents.

### CENTRAL CUSTOMER CARE (CCC)

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

**C&S Electric Ltd.**

Low Voltage Components Division


222, Okhla Industrial Estate, Phase- III, New Delhi -110020

Tel.: +91 120 3857451, +91 11 3384 9333/9334/9338

E-mail: [customercare@cselectric.co.in](mailto:customercare@cselectric.co.in)

POR - Price on request

Products have been classified as Stockable & Non Stockable items.

Non Stockable items has been marked as 

# Power Control Components



MPCBs ■ Power Contactors ■ Mini Contactors  
Overload Relays ■ Industrial Plugs & Sockets  
Control & Signalling Devices  
Motor Starters - Industrial ■ Motor Starters - Agri

## Motor Protection Circuit Breaker

Conforming IS/IEC 60947-2



### TCMS-Model - Thermal Magnetic

■ Adjustable thermal release ■ Magnetic release 13 X I<sub>e</sub> Max. ■ Trip class 10 ■ Ambient temperature compensation ■ Phase failure protection

Type / Frame	Power Rating 3-PhMotors AC3-duty 415V, 50Hz	Adjustable range (Amp)	Breaking Capacity (kA) 415V, 50Hz	Reference	MRP (₹)	Breaking Capacity (kA) 415V, 50Hz	Reference	MRP (₹)	Std. Pkg. (No's)
	kW		Standard Model/ Toggle Switch			High Breaking Capacity / Rotary Handle			
32AF	0.02	0.1-0.16	100	TCMS-32S-0.16	2175	100	TCMS-32H-0.16	2730	1
	0.06	0.16-0.25	100	TCMS-32S-0.25	2175	100	TCMS-32H-0.25	2775	
	0.09	0.25-0.4	100	TCMS-32S-0.4	2175	100	TCMS-32H-0.4	2775	
	0.12	0.4-0.63	100	TCMS-32S-0.63	2300	100	TCMS-32H-0.63	2990	
	0.25	0.63-1	100	TCMS-32S-1	2300	100	TCMS-32H-1	3010	
	0.55	1-1.6	100	TCMS-32S-1.6	2300	100	TCMS-32H-1.6	3010	
	0.75	1.6-2.5	100	TCMS-32S-2.5	2300	100	TCMS-32H-2.5	3010	
	1.5	2.5-4	100	TCMS-32S-4	2425	100	TCMS-32H-4	3115	
	2.2	4-6	100	TCMS-32S-6	2430	100	TCMS-32H-6	3115	
	3	5-8	100	TCMS-32S-8	2440	100	TCMS-32H-8	3140	
	4	6-10	50	TCMS-32S-10	2510	100	TCMS-32H-10	3140	
	5.5	9-13	50	TCMS-32S-13	2865	100	TCMS-32H-13	3700	
	7.5	11-17	20	TCMS-32S-17	3315	50	TCMS-32H-17	4080	
	7.5	14-22	15	TCMS-32S-22	3315	50	TCMS-32H-22	4510	
11	18-26	15	TCMS-32S-26	3510	50	TCMS-32H-26	4580		
15	22-32	15	TCMS-32S-32	6450	50	TCMS-32H-32	7600		
63AF	18.5	28-40	-	-	-	50	TCMS-63H-40	9440	1
	22	34-50	-	-	-	50	TCMS-63H-50	10890	
	30	45-63	-	-	-	50	TCMS-63H-63	11680	
100AF	37	55-75	-	-	-	75	☒TCMS-100H-75	11800	1
	45	70-90	-	-	-	75	☒TCMS-100H-90	11860	
	45	80-100	-	-	-	75	☒TCMS-100H-100	11970	

### TCMS-Model - Magnetic (Short circuit protection only)

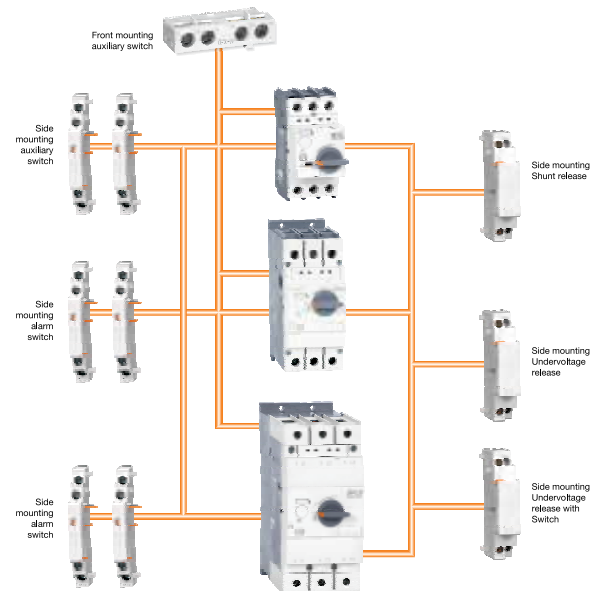
■ Without thermal release ■ Magnetic release 13 X I<sub>e</sub> Max.

Frame	Breaking Capacity (kA) at 415V, 50Hz	Power Rating 3-Ph Motors AC3 duty 415V, 50Hz	Rated Operational Current I <sub>e</sub> (A)	Reference	MRP (₹)	Std. Pkg. (Nos.)
		kW				
32AF	100	0.02	0.16	TCMS-32HI-0.16	2500	1
	100	0.06	0.25	TCMS-32HI-0.25		
	100	0.09	0.4	TCMS-32HI-0.4		
	100	0.12	0.63	TCMS-32HI-0.63	2850	
	100	0.25	1	TCMS-32HI-1		
	100	0.55	1.6	TCMS-32HI-1.6		
	100	0.75	2.5	TCMS-32HI-2.5	2900	
	100	1.5	4	TCMS-32HI-4		
	100	2.2	6	TCMS-32HI-6		
	100	3	8	TCMS-32HI-8	3010	
	100	4	10	TCMS-32HI-10		
	100	5.5	13	TCMS-32HI-13		
	50	7.5	17	TCMS-32HI-17	3205	
	50	7.5	22	TCMS-32HI-22		
50	11	26	TCMS-32HI-26			
50	15	32	TCMS-32HI-32	5890		
63AF	50	18.5	40	TCMS-63HI-40	7600	1
	50	22	50	TCMS-63HI-50	8795	
	50	30	63	TCMS-63HI-63	8870	
100AF	75	37	75	☒TCMS-100HI-75	9440	1
	75	45	90	☒TCMS-100HI-90	9730	
	75	45	100	☒TCMS-100HI-100		

☒ Non Stockable item

**Accessories**

Description	Configuration	Model	MRP (₹)	Std. Pkg. (No's)
Auxiliary switch for front mounting	1NO+1NC	TFX11	475	1
	2NC	TFX02		
	2NO	TFX20		
Auxiliary switch for front side mounting on the left	1NO+1NC	TLX11	570	
	2NC	TLX02		
	2NO	TLX20		
Any trip alarm switch for side mounting on the left (TCMS-32)	1NO+1NC	TLA11	730	
	2NC	TLA02		
	2NO	TLA20		
Any trip alarm switch for side mounting on the left (TCMS-63/100)	1NO+1NC	TLA030	755	
Magnetic trip alarm switch for side mounting on the left		TLAM11		
Shunt release for side mounting on the right	110-127V50Hz	TRS110-127V50Hz	1210	
	220-230V50Hz	TRS220-230V50Hz		
	415-440V50Hz	TRS415-440V50Hz		
Undervoltage release for side mounting on the right	110-127V50Hz	TRU110-127V50Hz	1245	
	220-230V50Hz	TRU220-230V50Hz		
	415-440V50Hz	TRU415-440V50Hz		
Undervoltage release with switch for side mounting on the right	110-127V50Hz	TRUX110-127V50Hz	1245	
	220-230V50Hz	TRUX220-230V50Hz		
	415-440V50Hz	TRUX415-440V50Hz		
Insulation Barrier (for TCMS-100H/100HI only)		TIB100		
Adaptor kit for MPCB + Mini Contactors	TCMS-32S+TC1M06-16	TDA-16SA	365	
	TCMS-32S+TP1M06-16	TDA-16SD		
	TCMS-32H/32HI+TC1M06-16	TDA-16HA		
	TCMS-32H/32HI+TP1M06-16	TDA-16HD		
Busbar	2 Point	PB322	615	
		PB632		
	3 Point*	PB323	725	
		PB633		
MPCB Enclosure (IP 65 Category)	For TCMS-32H/HI	EPH32-65S	1035	
Extended Handle (Door Mounting with Door Interlock, Defeat Interlock & Padlock)	<b>Extension Shaft 115mm</b>		885	
	TCMS-32H/HI	MEH32-115		
	TCMS-63H/HI	MEH63-115		
		TCMS-100H/HI	MEH100-115	1045
	<b>Extension Shaft 315mm</b>			
	TCMS-32H/HI	MEH32-315		
	TCMS-63H/HI	MEH63-315		
	TCMS-100H/HI	MEH100-315		



**50** years of C&S Electric  
**35** years of manufacturing  
contactors.



**robustTa2**  
Contactor 7A~38A

**robustTa**  
Contactor 9A~800A

**TC** Contactors. Enjoy life, non-stop.

    **RoHS**  
Compliant



## robusta 2 Contactor

Conforming IS/IEC60947-4-1 & IEC60947-4-1



GLOBAL CERTIFICATION



Contactor							
AC1 Duty (A)	AC3 415V Long life			Auxiliary Contacts	Reference	MRP (₹)	Std. Pkg. (Nos.)
	kW	HP	A				
25	2.2	3	7	1 NO+1NC	TC1D0711■	895	1
25	4	5.5	9	1 NO+1NC	TC1D0911■	960	
25	5.5	7.5	12	1 NO+1NC	TC1D1211■	1070	
32	9	12	18	1 NO+1NC	TC1D1811■	1250	
40	11	15	25	1 NO+1NC	TC1D2511■	1575	
50	15	20	32	1 NO+1NC	TC1D3211■	3370	
50	18.5	25	38	1 NO+1NC	TC1D3811■	4655	

Overload Relay fixing attachment			
Use for Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
TC1D0711-1811	TA7D0765	25	1
TC1D2511-3811	TA7D2565	25	

Coil Surge Suppressor				
Description	Voltage Ratings	Reference	MRP (₹)	Std. Pkg. (Nos.)
Varistor (AC/DC) Clip on mounting	12-55V 50/60Hz	TAD4VE	445	10
	56-136V 50/60Hz	TAD4VF		
	137-277V 50/60Hz	TAD4VU		
	278-575V 50/60Hz	TAD4VN		

Spare Top Housing for 3P Contactors			
For Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
TC1-D0711	TA5-D0711	735	1
TC1-D0911	TA5-D0911		
TC1-D1211	TA5-D1211		
TC1-D1811	TA5-D1811	840	
TC1-D2511	TA5-D2511	1080	
TC1-D3211	TA5-D3211	2070	
TC1-D3811	TA5-D3811	3035	

Spare AC Coils for Contactor			
Use for Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
TC1D07	TX1-D3■	445	1
TC1D09			
TC1D12			
TC1D18			
TC1D25			
TC1D32			
TC1D38			

Mechanical Interlocks - Horizontal Mounted			
Use of Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
TC1D07-TC1D38	LA9-D09978	360	10

robusta2 Contactor Coils						
Contactor TC1-D/TX1D3	24V	48V	110V	220V	240V	415V
50 Hz	B5	E5	F5	M5	U5	N5

Thermal Overload Relay						
Relay setting range (A)	Standard power ratings of 3-Phase Motors 50/60Hz, AC3 Category		Reference	Suitable for Contactor Rating (Amps)	MRP (₹)	Independent Mounting Kit
	HP	kW				
23-32	20	15	TR2DM32353	32	1900	TA7D3264 MRP ₹275
30-38	30	22	TR2DM38355	38		

### Note:

- robusta Thermal Overload Relay Reference TR2D09301 ~TR2D25322 can be mounted directly on robusta 2 Contactor with additional fixing attachment Reference TA7D0765 (Contactor TC1D0711-1811) or TA7D2565 (Contactor TC1D2511-3811).
- robusta 2 Thermal Overload Relay reference TR2DM32353 ~TR2DM38355 can be mounted directly on robusta 2 Contactor without any additional fixing attachment.

### How to order:

- Select applicable Coil Voltage required for Contactor.
- Complete the code by replacing the ■ form above.
- For common accessories please refer page no. 74 & 75.

## Mini Contactors

Conforming IS/IEC60947-4-1 & IEC60947-4-1



Control Relays - 10 Amps							
Rated Current (Ith)	Contact Configuration	With AC Coil			With DC Coil		
		Reference	MRP (₹)	Std. Pkg. (Nos.)	Reference	MRP (₹)	Std. Pkg. (Nos.)
10	2NO+2NC	TCA2-M22	970	10	TCA3-M22	1300	10
	3NO+1NC	TCA2-M31			TCA3-M31		
	4NO	TCA2-M40			TCA3-M40		
	1NO + 3NC	TCA2-M13			TCA3-M13		
	4NC	TCA2-M04			TCA3-M04		

■ Please specify Coil Voltage.

Power Contactors - 3 Pole													
AC1 Duty A	AC3 415V Long Life			Auxiliary Contacts		With AC Coil			Auxiliary Contacts		With DC Coil		
	kW	HP	A			Reference	MRP (₹)	Std. Pkg. (Nos.)			Reference	MRP (₹)	Std. Pkg. (Nos.)
20	2.2	3	6	1NO	-	TC1-M0610	830	10	1NO	-	TP1-M0610	1220	10
				-	1NC	TC1-M0601			-	1NC	TP1-M0601		
	4	5.5	9	1NO	-	TC1-M0910	890		1NO	-	TP1-M0910	1275	
				-	1NC	TC1-M0901			-	1NC	TP1-M0901		
	5.5	7.5	12	1NO	-	TC1-M1210	960		1NO	-	TP1-M1210	1400	
				-	1NC	TC1-M1201			-	1NC	TP1-M1201		
	7.5	10	16	1NO	-	TC1-M1610	1140		1NO	-	TP1-M1610	1550	
				-	1NC	TC1-M1601			-	1NC	TP1-M1601		

■ Please specify Coil Voltage.

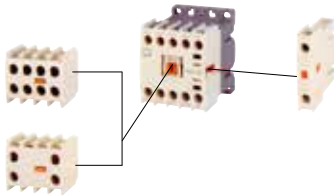
Coil Voltage Codes for Mini Contactors & Control Relays					
Contactor	Voltage				
	24	48	110	220	415
AC	B	E	F	M	N
DC	BD	ED	FD	MD	-

Overload Relays for Mini Contactors - Direct Mounting					
Relay Range (Amps)	Reference	MRP (₹)	Std. Pkg. (Nos.)	Independent Mounting Kit	
0.10 - 0.16	TR2 - M0.14A	1120	1	Reference TA7-M0964 MRP (₹) 365	
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				
7 - 10	TR2 - M8.5A	1230			
9 - 13	TR2 - M11A				
12 - 16	TR2 - M14A				

☒ Non Stockable item

## Accessories

### Add-On-Block



Contact Configuration		Reference	MRP (₹)	Std. Pkg. (Nos.)
Front Mounted	2 NO	TA1-M20	245	10
	1 NO+1 NC	TA1-M11		
	2 NC	TA1-M02		
	4 NO	TA1-M40	390	
	3 NO+1 NC	TA1-M31		
	2 NO+2 NC	TA1-M22		
	1 NO+3 NC	TA1-M13		
	4 NC	TA1-M04		
Side Mounted	1 NC	TA8-M01	240	
	1 NO	TA8-M10		



### Mechanical Interlocks for Horizontally Mounted

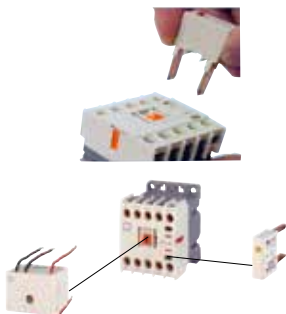
Use For Contactor		Reference	MRP (₹)	Std. Pkg. (Nos.)
AC	DC			
TC1-MS06	TP1-MS06	TA9-M978	370	1
TC1-MS09	TP1-MS09			
TC1-MS12	TP1-MS12			
TC1-MS16	TP1-MS16			



### Electronic Timer

Description	Delay	Time	Voltage	Reference	MRP (₹)
Front Mounting Electronic Timer	ON Delay	0.1-30 Sec	AC/DC	TA2-M/ 1N	1200
	OFF Delay	0.1-30 Sec	24-48V	TA2-M/ 1F	
	ON Delay	0.1-30 Sec	AC	TA3-M/ 2N	
	OFF Delay	0.1-30 Sec	100-220V	TA3-M/ 2F	

### Coil Suppressor



Description	Voltage	Reference	MRP (₹)	Std. Pkg. (Nos.)
Varistor	AC 24-48V	TA9-M980/1	400	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		

## Exceed Contactor 6A-95A

Conforming IS/IEC60947-4-1 & IEC60947-4-1



GLOBAL CERTIFICATION



Exceed 3 Pole Power Contactor rating 6A-95A									Exceed 4 Pole Power Contactor rating 9A-95A																																		
Size	AC1 Duty A	AC3 415 V Long Life			Auxiliary Contacts		Reference	MRP (₹)	Std. Pkg. (Nos.)	AC1 Duty A	Auxiliary Contacts		Reference	MRP (₹)	Std. Pkg. (Nos.)																												
		kW	HP	A	1NO	1NC					4NO	2NC																															
Frame 1	25	2.2	3	6	1NO	-	TC1D0610E	685	1	POR	1	TC1D12004E	TC1D12008E	TC1D18004E	TC1D25004E	TC1D25008E	TC1D40004E	TC1D40008E	TC1D50004E	TC1D50008E	TC1D65004E	TC1D65008E	TC1D80004E	TC1D80008E	TC1D95004E	TC1D95008E																	
					-	1NC	TC1D0601E																																				
		4	5.5	9	1NO	-	TC1D0910E	760																			4NO	--	TC1D18004E	2NO	2NC	TC1D12008E	4NO	--	TC1D25004E	2NO	2NC	TC1D25008E	4NO	--	TC1D40004E	2NO	2NC
	-				1NC	TC1D0901E																																					
	5.5	7.5	12	1NO	-	TC1D1210E	855	4NO																			--	TC1D50004E	2NO	2NC	TC1D50008E	4NO	--	TC1D80004E	2NO	2NC	TC1D80008E	4NO	--	TC1D95004E	2NO	2NC	TC1D95008E
				-	1NC	TC1D1201E																																					
32	9	12.5	18	1NO	-	TC1D1810E	995	4NO	--	TC1D80004E	2NO	2NC	TC1D80008E	4NO	--	TC1D95004E	2NO	2NC	TC1D95008E																								
				-	1NC	TC1D1801E																																					
Frame 2	40	11	15	25	1NO	-	TC1D2510E	1330	1	POR	1	TC1D50004E	TC1D50008E	TC1D65004E	TC1D65008E	TC1D80004E	TC1D80008E	TC1D95004E	TC1D95008E																								
					-	1NC	TC1D2501E																																				
	50	15	20	32	1NO	-	TC1D3210E	2810												4NO	--	TC1D80004E	2NO	2NC	TC1D80008E	4NO	--	TC1D95004E	2NO	2NC	TC1D95008E												
-					1NC	TC1D3201E																																					
Frame 3	60	22	30	40	1NO	1NC	TC1D4011E	3915	1	POR	1	TC1D50004E	TC1D50008E	TC1D65004E	TC1D65008E	TC1D80004E	TC1D80008E	TC1D95004E	TC1D95008E																								
					1NO	1NC	TC1D5011E	5130																																			
	80	25	35	50	1NO	1NC	TC1D6511E	6820																																			
					1NO	1NC	TC1D8011E	8540																																			
125	45	60	80	95	1NO	1NC	TC1D9511E	9880																																			
					1NO	1NC	TC1D9511E	9880																																			

### Exceed Contactor 3 Pole: Rating 115 A- 630A

AC1 Duty A	AC3 415 V Long Life			With AC Coil		With DC Coil		Std. Pkg. (Nos.)
	kW	HP	A	Reference	MRP (₹)	Reference	MRP (₹)	
200	59	80	115	LC1FDP115AE	13110	POR	1	
250	80	108	150	LC1FDP150AE	17670			
275	100	136	185	LC1FDP185AE	22000			
315	110	148	225	LC1FDP225AE	23940			
350	140	190	265	LC1FDP265AE	27550			
400	180	240	330	LC1FDP330AE	34485			
500	220	300	400	LC1FDP400AE	41350			
700	280	380	500	LC1FDP500AE	57430			
1000	375	500	630	LC1FDP630AE	84820			
								LC1FDP630AE

### Exceed Contactors 4 Pole: Rating AC1 200A ~ 1000A

AC1 Duty A	Main Pole Configuration	With AC Coil		With DC Coil		Std. Pkg. (Nos.)
		Reference	MRP (₹)	Reference	MRP (₹)	
200	4 NO	LC1FDP1154AE	16210	LC1FDP115AE	POR	1
250	4 NO	LC1FDP1504AE	18320	LC1FDP1504AE		
275	4 NO	LC1FDP1854AE	30660	LC1FDP1854AE		
315	4 NO	LC1FDP2254AE	23890	LC1FDP2254AE		
350	4 NO	LC1FDP2654AE	36010	LC1FDP2654AE		
400	4 NO	LC1FDP3304AE	42690	LC1FDP3304AE		
500	4 NO	LC1FDP4004AE	53700	LC1FDP4004AE		
700	4 NO	LC1FDP5004AE	59570	LC1FDP5004AE		
1000	4 NO	LC1FDP6304AE	120940	LC1FDP6304AE		



Exceed Control Relay				
Rated Current(Ie) AC15 at 240V (Amps)	Contact Configuration	Reference	MRP (₹)	Std. Pkg. (Nos.)
10	2 NO + 2 NC	TCA2-DN22E**	840	1
	3 NO + 1 NC	TCA2-DN31E**		
	4 NO	TCA2-DN40E**		

AC Coil Voltage for exceed contactor						
Contactor	Voltage					
	110	24	235	220	240	415
50Hz	F5	B5	C5W*	M5	U5	N5

- NOTE:**
1. Add Suffix ■ Coil voltage to complete product code
  2. 235 V (C5W) Coil available only upto 25 Amps (AC3) Contactors.
  3. 22A, 38A & 45A current ratings also available on request. (MOQ - 50 Nos.)
  4. For add-on accessories and spare coil refer page no. 75.

**robusta Power Contactors**

Conforming IS/IEC60947-4-1 &amp; IEC60947-4-1



Control Relays - 10 Amps							
Rated Current(Ie) AC15 at 240V (Amps)	Contact Configuration	With AC Coil			With DC Coil		
		Reference	MRP (₹)	Std. Pkg. (Nos.)	Reference	MRP (₹)	Std. Pkg. (Nos.)
10	2NO + 2NC	TCA2-DN22 ■	900	10	TCA3-DN22 ■	1400	10
	3NO + 1NC	TCA2-DN31 ■			TCA3-DN31 ■		
	4NO	TCA2-DN40 ■			TCA3-DN40 ■		

■ To specify Coil Voltage, please refer page no. 73

Power Contactors 3 Pole : Rating 9A ~ 95A														
Size	AC1 Duty A	AC3 415 V Long Life			Auxiliary Contacts		With AC Coil		Std. Pkg. (Nos.)	Auxiliary Contacts		With DC Coil		Std. Pkg. (Nos.)
		kW	HP	A			Reference	MRP (₹)				Reference	MRP (₹)	
Frame 1	25	4	5.5	9	1NO	-	TC1-D0910 ■	835	1	1NO	-	TP1-D0910 ■	1280	1
					-	1NC	TC1-D0901 ■			-	1NC	TP1-D0901 ■		
		5.5	7.5	12	1NO	-	TC1-D1210 ■	950		1NO	-	TP1-D1210 ■	1445	
					-	1NC	TC1-D1201 ■			-	1NC	TP1-D1201 ■		
	32	9	12.5	18	1NO	-	TC1-D1810 ■	1110		1NO	-	TP1-D1810 ■	1615	
					-	1NC	TC1-D1801 ■			-	1NC	TP1-D1801 ■		
		11	15	22	1NO	-	TC1-D2210 ■	1280		1NO	-	TP1-D2210 ■	2210	
					-	1NC	TC1-D2201 ■			-	1NC	TP1-D2201 ■		
Frame 2	40	11	15	25	1NO	-	TC1-D2510 ■	1400	1NO	-	TP1-D2510 ■	2375		
					-	1NC	TC1-D2501 ■		-	1NC	TP1-D2501 ■			
	50	15	20	32	1NO	-	TC1-D3210 ■	3010	1NO	-	TP1-D3210 ■	4655		
					-	1NC	TC1-D3201 ■		-	1NC	TP1-D3201 ■			
		18.5	25	38	1NO	-	TC1-D3810 ■	4210	1NO	-	TP1-D3810 ■	5440		
					-	1NC	TC1-D3801 ■		-	1NC	TP1-D3801 ■			
Frame 3	60	22	30	40	1NO	1NC	TC1-D4011 ■	4465	1NO	1NC	TP1-D4011 ■	6270		
					1NO	1NC	TC1-D4511 ■		1NO	1NC	TP1-D4511 ■		7600	
	80	25	35	50	1NO	1NC	TC1-D5011 ■	5615	1NO	1NC	TP1-D5011 ■	7730		
					1NO	1NC	TC1-D6511 ■		1NO	1NC	TP1-D6511 ■		8845	
	100	37	50	70	1NO	1NC	TC1-D7011 ■	7550	1NO	1NC	TP1-D7011 ■	9975		
					1NO	1NC	TC1-D8011 ■		1NO	1NC	TP1-D8011 ■		10810	
	125	45	60	80	1NO	1NC	TC1-D8011 ■	9120	1NO	1NC	TP1-D8011 ■	10810		
					1NO	1NC	TC1-D9511 ■		1NO	1NC	TP1-D9511 ■		13760	

■ To specify Coil Voltage, please refer page no. 73

## robusta Power Contactors

Conforming IS/IEC60947-4-1 & IEC60947-4-1



Power Contactors 3 Pole : 115-160A AC3								
AC1 Duty A	AC3 415 V Long Life			Auxiliary contacts		With AC Coil		Std. Pkg. (Nos.)
	kW	HP	A			Reference	MRP (₹)	
200A	55	73	115	1NO	1NC	TC1-D115116■*	13030	1
	55	73	115	1NO	1NC	TC1-D115111■*	13120	
	55	73	120	1NO	1NC	TC1-D120116■*	13495	
	55	73	120	1NO	1NC	TC1-D120111■*	13590	
	75	101	150	1NO	1NC	TC1-D150116■*	18050	
	75	101	150	1NO	1NC	TC1-D150111■*	18150	
	75	101	160	1NO	1NC	TC1-D160116■*	18340	
	75	101	160	1NO	1NC	TC1-D160111■*	18430	

Power Contactors 4 Pole: Rating AC1 200A						
AC1 Duty A	Main Pole Configuration			With AC Coil		Std. Pkg. (Nos.)
				Reference	MRP (₹)	
200A	4NO		--	TC1-D115004■*	14540	1
	4NO		--	TC1-D1150046■*	14400	
	4NO		--	TC1-D150004■*	19000	
	4NO		--	TC1-D1500046■*	18910	

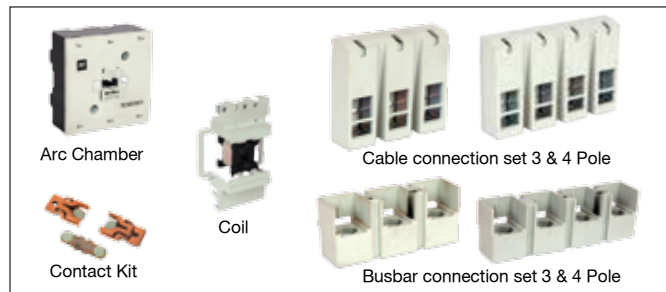
\* Busbar connection \* Cable connection

Spare main contacts sets (115-160), 3P/4P			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
TC1D115	TA5 D115118031	5420	1
TC1D120	TA5 D120118031	5610	
TC1D150	TA5 D150118031	6370	
TC1D160	TA5 D160118031	6840	
TC1D115004	TA5 D115804	6650	
TC1D150004	TA5 D150804	7030	

Spare Bus Bar connection sets (115-160), 3P/4P			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
TC1D115	TA9 D11511503	290	1
TC1D120			
TC1D150			
TC1D160			
TC1D115004	TA9 D115504	440	
TC1D150004			

Spare Arc Chamber (top housing) for 3P Contactors (115-160)			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
TC1D115	TA5 D1151150	1900	1
TC1D120	TA5 D1201150		
TC1D150	TA5 D1501150		
TC1D160	TA5 D1601150		

Spare Coils (115-160), 3P/4P			
	Reference	MRP (₹)	Std. Pkg. (Nos.)
AC Coil 50 Hz AC	TX1D8■B5	1510	1
	TX1D8■F5		
	TX1D8■M5		
	TX1D8■N5		



Spare Cable connection sets (115-160), 3P/4P			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
TC1D115	TA9 D11511603	580	1
TC1D120			
TC1D150			
TC1D160			
TC1D115004	TA9 D115604	780	
TC1D150004			

Spare Arc Chamber (top housing) for 4P Contactors(115-160)			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
TC1D115004	TA5 D115450	1970	1
TC1D150004	TA5 D150450		

AC Coil Voltage				
Contactor	Voltage			
	110	24	220	415
50Hz	F5	B5	M5	N5

■ To specify Coil Voltage

**robust Power Contactors**

Conforming IS/IEC60947-4-1 &amp; IEC60947-4-1



Power Contactors with Dust Cover 3 Pole									
AC1 Duty A	AC3 415 V Long Life			With AC Coil		Std. Pkg. (Nos.)	With DC Coil		Std. Pkg. (Nos.)
	kW	HP	A	Reference	MRP (₹)		Reference	MRP (₹)	
200	59	80	115	LC1FDP115A ■	14250	1	LC1FDP115A ■	16100	1
250	80	108	150	LC1FDP150A ■	18900		LC1FDP150A ■	21000	
275	100	136	185	LC1FDP185A ■	23700		LC1FDP185A ■	28500	
275	105	140	200	LC1FDP200A ■	24300		LC1FDP200A ■	29300	
315	110	148	225	LC1FDP225A ■	25700		LC1FDP225A ■	30000	
350	140	190	265	LC1FDP265A ■	29600		LC1FDP265A ■	33700	
350	150	200	300	LC1FDP300A ■	34600		LC1FDP300A ■	38000	
400	180	240	330	LC1FDP330A ■	37000		LC1FDP330A ■	40565	
500	220	300	400	LC1FDP400A ■	44460		LC1FDP400A ■	48450	
600	240	320	460	LC1FDP460A ■	55810		-	-	
700	280	380	500	LC1FDP500A ■	62225		LC1FDP500A ■	64600	
800	355	430	580	LC1FDP580A ■	64600		-	-	
1000	375	500	630	LC1FDP630A ■	91200		LC1FDP630A ■	104500	
1600	425	580	780	☒ LC1FDP780A ■	180500		☒ LC1FDP780A ■	209000	
1000	450	610	800	☒ LC1FDP800A ■	166250		☒ LC1FDP800A ■*	161500	

- 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.
- \*For DC supply, Bypass rectifier and connect DC supply directly to coil terminals A1-A2

Hoisting Power Contactors with dust cover 3 Pole: Rating 115A - 630A						
AC1 Duty A	AC3 415 V Long Life			With AC Coil		Std. Pkg. (Nos.)
	kW	HP	A	Reference	MRP (₹)	
200	59	80	115	LC1FDP115HCA ■	14730	1
250	80	110	150	LC1FDP150HCA ■	22330	
275	100	135	185	LC1FDP185HCA ■	25460	
315	110	150	225	LC1FDP225HCA ■	26790	
350	140	190	265	LC1FDP265HCA ■	31830	
355	150	200	300	LC1FDP300HCA ■	34680	
400	180	220	330	LC1FDP330HCA ■	36580	
500	220	300	400	LC1FDP400HCA ■	45030	
700	280	380	500	LC1FDP500HCA ■	63650	
1000	375	500	630	LC1FDP630HCA ■	94050	

Power Contactors with Dust Cover 3 Pole: Rating 1260A ~ 2100A (for general use)				
AC1 Duty A	Main Pole Configuration	With AC Coil		Std. Pkg. (Nos.)
		Reference	MRP (₹)	
1260	3 NO	☒ LC1FDP1250A ■	POR	1
1400	3 NO	☒ LC1FDP1400A ■		
1700	3 NO	☒ LC1FDP1700A ■		
2100	3 NO	☒ LC1FDP2100A ■		



Telecom Contactors 4Pole Rating AC1 25A-50A				
AC1 Duty A	Main Pole Configuration	With AC Coil		Std. Pkg. (Nos.)
		Reference	MRP (₹)	
25	4 NO	TC1DT254Ne	POR	1
32	4 NO	TC1DT324Ne		
40	4 NO	TC1DT404Ne		
50	4 NO	TC1DT504Ne		

■ To specify Coil Voltage, please refer page no. 73

**robusta Power Contactors**

Conforming IS/IEC60947-4-1 &amp; IEC60947-4-1


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

AC1 Duty A	AC1 Duty A	Main Pole Configuration		With AC Coil		Std. Pkg. (Nos.)	With DC Coil		Std. Pkg. (Nos.)
				Reference	MRP (₹)		Reference	MRP (₹)	
Frame 1	25	4NO	--	TC1-D12004	1060	1	TP1-D12004	2090	1
		2NO	2NC	TC1-D12008	1295		TP1-D12008	2660	
Frame 2	32	4NO	--	TC1-D18004	1165		-	-	
		4NO	--	TC1-D25004	1730		TP1-D25004	3895	
Frame 3	40	2NO	2NC	TC1-D25008	2360		TP1-D25008	5010	
		4NO	--	TC1-D40004	4210		TP1-D40004	6465	
	60	2NO	2NC	TC1-D40008	7070		TP1-D40008	10450	
		4NO	--	TC1-D50004	5410		-	-	
	80	2NO	2NC	TC1-D50008	8460		-	-	
		4NO	--	TC1-D65004	7120		TP1-D65004	10925	
	100	2NO	2NC	TC1-D65008	9540	TP1-D65008	13775		
		4NO	--	TC1-D70004	8080	TP1-D70004	12160		
	125	4NO	--	TC1-D80004	10000	TP1-D80004	13395		
		2NO	2NC	TC1-D80008	12350	TP1-D80008	15960		
4NO		--	TC1-D95004	10350	TP1-D95004	15030			
2NO		2NC	TC1-D95008	12780	TP1-D95008	16370			

■ To specify Coil Voltage, please refer page no. 73

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

Size	AC1 Duty A	AC3 415 V Long Life			With AC Coil	MRP (₹)	Std. Pkg. (Nos.)
		KW	HP	A	Reference		
Frame 1	25	4	5.5	9	TC1-D09006	1110	10
		5.5	7.5	12	TC1-D12006	2100	
Frame 2	40	11	15	25	TC1-D25006	2250	

■ To specify Coil Voltage, please refer page no. 73

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

AC1 Duty A	Main Pole Configuration	With AC Coil		Std. Pkg. (Nos.)	With DC Coil		Std. Pkg. (Nos.)
		Reference	MRP (₹)		Reference	MRP (₹)	
200	4 NO	LC1FDP1154	17000	1	LC1FDP1154	23280	1
250	4 NO	LC1FDP1504	19300		LC1FDP1504	31285	
275	4 NO	LC1FDP1854	32750		LC1FDP1854	38950	
315	4 NO	LC1FDP2254	35100		LC1FDP2254	42750	
350	4 NO	LC1FDP2654	37900		LC1FDP2654	48450	
400	4 NO	LC1FDP3304	44935		LC1FDP3304	58900	
500	4 NO	LC1FDP4004	56525		LC1FDP4004	69350	
700	4 NO	LC1FDP5004	62700		LC1FDP5004	83600	
1000	4 NO	LC1FDP6304	127300		LC1FDP6304	133000	
1600	4 NO	LC1FDP7804	280250		LC1FDP7804	308750	



■ To specify Coil Voltage, please refer page no. 73

● 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



Size	kVAR Rating	Auxiliary Contacts	Reference	MRP (₹)	Std. Pkg. (Nos.)
Frame 1	7	1NO+1NC	TC1-D07K11 ■	1730	
		2NC	TC1-D07K02 ■		
	10	1NO+1NC	TC1-D10K11 ■	1870	
		2NC	TC1-D10K02 ■		
	12.5	1NO+1NC	TC1-D12K11 ■	1990	
		2NC	TC1-D12K02 ■		
16.7	1NO+1NC	TC1-D16K11 ■	2775		
	2NC	TC1-D16K02 ■			
Frame 2	20	1NO+1NC	TC1-D20K11 ■	3170	
		2NC	TC1-D20K02 ■		
	25	1NO+1NC	TC1-D25K11 ■	3600	
		2NC	TC1-D25K02 ■		
Frame 3	33.3	1NO+2NC	TC1-D33K12 ■	6650	
	40	1NO+2NC	TC1-D40K12 ■	9580	
	50	1 NO+2NC	TC1D50K12 ■	9880	
	60	1NO+2NC	TC1-D60K12 ■	11300	
	75	1NO+2NC	TC1-D75K12 ■	13020	



## robusta Contactors Coils

AC Coil Voltage Codes for Contactors 9A-95A & Control Relays							
Contactor	Voltage						
TCA2-DN/TC1-D	24	48	110	220	235	240	415
50Hz	B5	E5	F5	M5	C5W*	U5	N5
50/60Hz	B7	E7	F7	M7	-	U7	N7

- Non-Standard coil Extra MRP @ ₹ 100/- per contactor
- \* Available from CR-38A Contactor only.

AC Coil Voltage robusta Capacitor Duty Contactors							
Contactor	Voltage						
TC1-D**K	24	110	220	235	240	415	
50Hz	B5	F5	M5	C5W*	U5	N5	
50/60Hz	B7	F7	M7	-	U7	N7	

- \* Available upto 25kVAR only.

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.

### 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 no. 75
- Non-Standard coil available on request, Extra MRP@ ₹ 500 each per Contactor rating 115#780A

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 Codes for Contactors 115A-780A				
Contactor	Voltage			
	110	220	240♦	415
LC1FDP115-225 50Hz	F5	M5	U5	N5
LC1FDP265-780 50/60Hz	F7	M7	U7	N7

- ♦ Not Available for LC1FDP780

DC Coil Voltage Codes for Contactors 115A-780A				
Contactor	Voltage			
	24#	48	110	220
LC1FDP	BD	ED	FD	MD

- # Not available for LCFDP630 & LC1FDP780

Coil Voltage Codes for Contactor 800A			
Contactor	Voltage		
	110/127	220/240	380/400
LC1-FDP - AC	FW*	MW*	QW**
LC1-FDP-DC	FW	MW	QW

- \*With rectifier DRTE4U
- \*\*With rectifier DRTE4S

## robusta Overload Relay

GLOBAL CERTIFICATION



Thermal Overload Relays Direct Mounting Trip class 10												
Relay Setting Range (Amps)	Standard Power Rating for 3 Ph. Motor at 415V		Reference	Suitable for Contactor Rating (Amps)	MRP (₹)	Independent Mounting Kit	Std. Pkg. (Nos.)					
	HP	kW										
<b>Direct Mounting</b>												
0.10 ~ 0.16	*	*	TR2-D09301	9	1100	Reference TA7-D0964 MRP ₹185	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	0.75	TR2-D093X6									
1.60 ~ 2.50	1.5	1.1	TR2-D09307									
2.50 ~ 4.00	2	1.5	TR2-D09308									
4.00 ~ 6.00	3	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	1320	TA7-D3264 ₹ 270	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	1900	TA7-D4064 ₹ 900	1					
28.0 ~ 36.0	25	18	TR2-D32355									
23.0 ~ 32.0	20	15	TR2-D40353									
30.0 ~ 40.0	30	22	TR2-D40355					40				2065
37.0 ~ 50.0	35	25	TR2-D65357					50				2660
48.0 ~ 65.0	40	30	TR2-D65359					65				3420
55.0 ~ 70.0	50	37	TR2-D65361									
63.0 ~ 80.0	60	45	TR2-D80363									
80.0 ~ 93.0	65	49	TR2-D95365						80	3775		
									95	3800		
<b>Independent Mounting</b>												
65 ~ 105	75	55	LR1-F105					-	6190	-	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									
250 ~ 400	270	200	☒ LR1-F400									
315 ~ 500	350	257	☒ LR1-F500									
400 ~ 630	480	355	☒ LR1-F630									
500 ~ 800	580	425	☒ LR1-F800									
630 ~ 1000	680	500	☒ LR1-F1000	22715								

Thermal Overload Relays Protective Shroud for LR1-F105~630			
Relay Type	Reference	MRP (₹)	Std. Pkg. (Nos.)
LR1-F105	LA9-F702	1345	1
LR1-F125			
LR1-F160			
LR1-F200			
LR1-F250	LA9-F703	1775	
LR1-F315			
LR1-F400			
LR1-F500			
LR1-F630	LA9-F704	1925	
LR1-F800			

Heavy Duty Overload Relays Independent Mounting Trip class 30			
Relay Setting Range (Amps)	Reference	MRP (₹)	Std. Pkg. (Nos.)
2.5-4.0	TR6 - F4	8590	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 robusTa & Exceed Contactors**

Add-On Block for Contactor Rating 9A-800A				
Contact Configuration		Reference	MRP (₹)	Std. Pkg. (Nos.)
Front Mounted	1 NO	TA1-DN10*	130	10
	1 NC	TA1-DN01		
	2 NO	TA1-DN20	265	20
	1 NO+1 NC	TA1-DN11		
	2 NC	TA1-DN02		
	4 NO	TA1-DN40		
	3 NO+1 NC	TA1-DN31	400	20
	2 NO+2 NC	TA1-DN22		
	1 NO+3 NC	TA1-DN13		
	4 NC	TA1-DN04		
Side Mounted	1 NO+1 NC	TA8-DN11**	400	10
	2 NO	TA8-DN20		

\* Suitable for robusTa Contactor rating 25-95A only.

\*\* Suitable for robusTa Contactor rating 9-95A only.

Spare AC Coils Control Relay & Contactor 9A-95A			
Use for Contactor AC	Reference	MRP (₹)	Std. Pkg. (Nos.)
TCA2-DN	TX1-D2 ■	425	20
TC1-D09			
TC1-D12			
TC1-D18			
TC1-D25	TX1-D4 ■	495	10
TC1-D32			
TC1-D40			
TC1-D50	TX1-D6 ■	1300	10
TC1-D63			
TC1-D80			
TC1-D95			

Spare DC Coils Control Relay & Contactor 9A-80A				
Use for Contactor DC	Reference		MRP (₹)	Std. Pkg. (Nos.)
	Normal	Wideband		
TCA3 - DN	TX4-D2 ■	TX5-D2 ■	665	1
TP1 - D09				
TP1 - D12				
TP1 - D18				
TP1 - D25	TX4-D4 ■	TX5-D4 ■	745	1
TP1 - D32				
TP1 - D40	TX4-D40 ■	TX5-D40 ■	1150	1
TP1 - D50				
TP1 - D65				
TP1 - D80				
TP1 - D80	TX4-D80 ■	TX5-D80 ■	3600	1

■ Complete the code for Spare Coil by indicating the Coil Voltage required after the reference \*Please refer page no. 73 for Coil Voltage available

☒ Non Stockable item

Mechanical Interlocks - Horizontal Mounted				
Contact Configuration		Reference	MRP (₹)	Std. Pkg. (Nos.)
AC	DC			
TC1-D09	TP1-D09	LA9-D09978	390	10
TC1-D12	TP1-D12			
TC1-D18	TP1-D18			
TC1-D25	TP1-D25			
TC1-D32	TP1-D32	LA9-D50978	930	10
TC1-D40	TP1-D40			
TC1-D50	TP1-D50			
TC1-D65	TP1-D65			
TC1-D70	TP1-D70	LA9-D80978	1270	10
TC1-D80	TP1-D80			
TC1-D95	-			

Pneumatic Timer Block - Front Mounted				
Contact Configuration		Reference	MRP (₹)	Std. Pkg. (Nos.)
ON delay	1 NO+1 NC	TA2-DT0	0.1...3s	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	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	1635

Coil Surge Suppressor for Contactor 9-95A				
Description	Voltage Ratings	Reference	MRP (₹)	Std. Pkg. (Nos.)
Varistor (AC/DC) Clip-on mounting	24-48VAC/DC	TA9AMOV980E	400	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. (Nos.)
AC	DC			
TC1-D09	TP1-D09	ELA9-D09978	400	10
TC1-D12	TP1-D12			
TC1-D18	TP1-D18			
TC1-D25	TP1-D25			
TC1-D32	TP1-D32	ELA9-D50978	1045	10
TC1-D40	TP1-D40			
TC1-D50	TP1-D50			
TC1-D65	TP1-D65			
TC1-D80	TP1-D80	ELA9-D80978	1275	10
TC1-D95	-			



Accessories

Spare AC Coils for Hoisting Power Contactor					
Contactor	110V	220V	240V	415V	MRP (₹)
LC1-FDP115HCA	LX9FF110V	LX9FF220V	LX9FF240V	-	2790
LC1-FDP150HCA					
LC1-FDP185HCA	LX9FG110V	LX9FG220V	LX9FG240V	-	4095
LC1-FDP225HCA					
☒ LC1-FDP265HCA	LX9FH1102V	LX9FH2202V	LX9FH2402V	-	4440
☒ LC1-FDP330HCA					
☒ LC1-FDP400HCA	LX9FJ925	LX9FJ931	LX9FJ932	LX9FJ936	9055
☒ LC1-FDP500HCA	LX9FK925	LX9FK931	LX9FK932	LX9FK936	15310
☒ LC1-FDP630HCA	LX9FL924	LX9FL930	LX9FL931	LX9FL936	15405

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

Spare AC Coils for Contactors Rating 115-800A					
Contactor	110V	220V	240V	415V	MRP (₹)
LC1-FDP115	LX1FF-110V	LX1FF-220V	LX1FF-240V	LX1FF-415V	2115
LC1-FDP150					
LC1-FDP185	LX1FG-110V	LX1FG-220V	LX1FG-240V	LX1FG-415V	3800
LC1-FDP200					
LC1-FDP225	LX1FH-1102V	LX1FH-2202V	LX1FH-2402V	LX1FH-4152V	4440
LC1-FDP265A					
LC1-FDP300A	LX1FJ-110V	LX1FJ-220V	LX1FJ-240V	LX1FJ-415V	5935
LC1-FDP330A					
LC1-FDP400A	LX1FK-110V	LX1FK-220V	LX1FK-240V	LX1FK-415V	13845
LC1-FDP500A					
LC1-FDP630A	LX1FL-110V	LX1FL-220V	LX1FL-240V	LX1FL-415V	13680
LC1-FDP780A					
LC1-FDP800A	LX4F8FW	LX4F8MW	LX4F8MW	LX4F8QW*	15010

AC Coils will be suitable for 50Hz only. \*Available in 380/400V only

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

Mechanical Interlocks for Contactor 115A-630A Vertically / Horizontally Mounted			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
<b>Horizontally Mounted</b>			
LC1-FDP115A	LA9-FF970	2570	1
LC1-FDP150A			
LC1-FDP185A	LA9-FG970	2870	1
LC1-FDP200A			
LC1-FDP225A			
LC1-FDP265A	☒ LA9-FJ970	3330	1
LC1-FDP300A			
LC1-FDP330A			
LC1-FDP400A			
LC1-FDP500A			
LC1-FDP500A/LC1-F630A			
<b>Vertically Mounted</b>			
LC1-FDP115A	LA9-FF4F	2900	1
LC1-FDP150A			
LC1-FDP185A	LA9-FG4G	3060	1
LC1-FDP200A			
LC1-FDP225A			
LC1-FDP265A	LA9-FH4H	3760	1
LC1-FDP300A			
LC1-FDP330A			
LC1-FDP400A			
LC1-FDP500A			
LC1-FDP500A/LC1-F630A			
LC1-FDP780A	☒ LA9-FX970	24040	1

☒ Non Stockable item

Spare DC Coils for Contactors Rating 115A-800A					
Contactor	110V	220V	24V	485V	MRP (₹)
LC1-FDP115	LX4FF-110V	LX4FF-220V	LX4FF-24V	LX4FF-48V	6920
LC1-FDP150					
LC1-FDP185	LX4FG-110V	LX4FG-220V	LX4FG-24V	LX4FG-48V	8870
LC1-FDP225					
LC1-FDP265A	LX4FH-110V	LX4FH-220V	LX4FH-24V	LX4FH-48V	10870
LC1-FDP330A					
☒ LC1-FDP400A	LX4FJ-110V	LX4FJ-220V	Not Available	LX4FJ-48V	17310
☒ LC1-FDP500A	LX4FK-110V	LX4FK-220V	Not Available	LX4FK-48V	18330
☒ LC1-FDP630A	LX4FL-110V	LX4FL-220V	Not Available	LX4FL-48V	21450
☒ LC1-FDP780A	•	LX4FX-220V	•	•	20480
☒ LC1-FDP800A	LX4F8FW	LX4F8MW	-	LX4F8QW*	18330

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

• Contact Branch Office for product code. \*Available in 380/400V only.

Spare Top Housing for 3P/4P robusta Contactors						
For Control Relay Contactor	Reference		MRP (₹)	Std. Pkg. (Nos.)		
	AC	DC				
<b>For 3 Pole</b>						
TCA2-DN40, TCA3-DN40	TA5-DN40	TA5-DN40 DC	760	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				
TC1-D1810, TP1-D1810	TA5-D1810	TA5-D1810 DC			880	1
TC1-D1801, TP1-D1801	TA5-D1801	TA5-D1801 DC				
TC1-D2210, TP1-D2210	TA5-D2210	TA5-D2210 DC			1080	1
TC1-D2201, TP1-D2201	TA5-D2201	TA5-D2201 DC				
TC1-D2510, TP1-D2510	TA5-D2510	TA5-D2510 DC	1150	1		
TC1-D2501, TP1-D2501	TA5-D2501	TA5-D2501 DC				
TC1-D3210, TP1-D3210	TA5-D3210	TA5-D3210 DC	2110	1		
TC1-D3201, TP1-D3201	TA5-D3201	TA5-D3201 DC				
TC1-D3810, TP1-D3810	TA5-D3810	TA5-D3810 DC	3050	1		
TC1-D3801, TP1-D3801	TA5-D3801	TA5-D3801 DC				
TC1-D4011, TP1-D4011	TA5-D4011	TA5-D4011 DC	3160	1		
TC1-D5011, TP1-D5011	TA5-D5011	TA5-D5011 DC				
TC1-D6511, TP1-D6511	TA5-D6511	TA5-D6511 DC	5200	1		
TC1-D7011, TP1-D7011	TA5-D7011	TA5-D6511 DC				
TC1-D8011, TP1-D8011	TA5-D8011	TA5-D8011 DC	6390	1		
TC1-D9511	TA5-D9511	-				
<b>For 4 Pole</b>						
TC1-D09004, TP1-D09004	TA5-D09004	TA5-D09004DC	950	1		
TC1-D09008, TP1-D09008	TA5-D09008	TA5-D09008DC	1050			
TC1-D12004, TP1-D12004	TA5-D12004	TA5-D12004DC	1100			
TC1-D12008, TP1-D12008	TA5-D12008	TA5-D12008DC	1180			
TC1-D25004, TP1-D25004	TA5-D25004	TA5-D25004DC	1680			
TC1-D25008, TP1-D25008	TA5-D25008	TA5-D25008DC	1940			
TC1-D40004, TP1-D40004	TA5-D40004	TA5-D40004DC	3560			
TC1-D40008, TP1-D40008	TA5-D40008	TA5-D40008DC	4550			
TC1-D65004, TP1-D65004	TA5-D65004	TA5-D65004DC	6050			
TC1-D65008, TP1-D65008	TA5-D65008	TA5-D65008DC	7090			
TC1-D80004, TP1-D80004	TA5-D80004	TA5-D80004DC	7220			

**Accessories**

Spare Top Housing for 3P exceed Contactors			
For Control Relay Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
	AC		
TCA2-DN40E	TA5-DN40E	600	1
TCA2-DN31E	TA5-DN31E		
TCA2-DN22E	TA5-DN22E		
TC1D0901E	TA5-D0901E		
TC1D0910E	TA5-D0910E		
TC1D1201E	TA5-D1201E		
TC1D1210E	TA5-D1210E		
TC1D1801E	TA5-D1801E	700	
TC1D1810E	TA5-D1810E		
TC1D2501E	TA5-D2501E	850	
TC1D2510E	TA5-D2510E		
TC1D4011E	TA5-D4011E	2190	
TC1D5011E	TA5-D5011E	3000	
TC1D6511E	TA5-D6511E	4200	
TC1D8011E	TA5-D8011E	5490	
TC1D9511E	TA5-D9511E	6000	

Spare Main Contact for 3P Contactors rating 115A-800A			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
LC1-FDP115A	LA5-FF431 (F115)	7410	1
LC1-FDP150A	LA5-FF431 (F150)	10240	
LC1-FDP185A	LA5-FG431 (F185)	12820	
LC1-FDP200A	LA5-FG431 (F200)	15060	
LC1-FDP225A	LA5-FG431 (F225)	16880	
LC1-FDP265A	LA5-FH431 (F265)	17990	
LC1-FDP300A	LA5-FH431 (F300)	18790	
LC1-FDP330A	LA5-F400803 (F330)	20190	
LC1-FDP400A	LA5-F400803 (F400)	25350	
LC1-FDP500A	LA5-F500803 (F500)	33640	
LC1-FDP630A	LA5-F630803 (F630)	47780	
LC1-FDP780A	LA5F780801(F7804)*	26880	
LC1-FDP800A	LA5F800803(F800)	53630	

Spare Main Contact Sets for 4P Power Contactors rating 115A-780A			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
LC1-FDP1154A	LA5-FF441 (F1154)	8640	1
LC1-FDP1504A	LA5-FF441 (F1504)	12860	
LC1-FDP1854A	LA5FG441(F1854)	18970	
LC1-FDP2254A	LA5FG441(F2254)	19820	
LC1-FDP2654A	LA5-FH441 (F2654)	21200	
LC1-FDP3304A	LA5-F400804 (F3304)	25650	
LC1-FDP4004A	LA5-F400804 (F4004)	29170	
LC1-FDP5004A	LA5-F500804 (F5004)	46020	
LC1-FDP6304A	LA5-F630804 (F6304)	58950	
LC1-FDP7804A	LA5-F780801 (F780)**	26530	

# 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.

☒ Non Stockable item

Spare Main Contacts for 3P Hoisting Contactors rating 115A-630A			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
LC1-FDP115HCA	LA5-FF431HCA (F115)	7460	1
LC1-FDP150HCA	LA5-FF431HCA (F150)	10290	
LC1-FDP185HCA	LA5-FG431HCA (F185)	12820	
LC1-FDP200HCA	LA5-FG431HCA (F200)	15060	
LC1-FDP225HCA	LA5-FG431HCA (F225)	16880	
LC1-FDP265HCA	LA5-FH431HCA (F265)	17990	
LC1-FDP300HCA	LA5-FH431HCA (F300)	18790	
LC1-FDP330HCA	LA5-F400803HCA (F330)	20190	
LC1-FDP400HCA	LA5-F400803HCA (F400)	25350	
LC1-FDP500HCA	LA5-F500803HCA (F500)	33640	
LC1-FDP630HCA	LA5-F630803HCA (F630)	47780	

Spare Arc Chamber 3P			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
LC1-FDP115A	LA5-F11550	2140	1
LC1-FDP150A	LA5-F15050		
LC1-FDP185A	LA5-F18550	2290	
LC1-FDP200A	LA5-F20050	2320	
LC1-FDP225A	LA5-F22550	2340	
LC1-FDP265A	LA5-F26550	2560	
LC1-FDP300A	LA5-F30050	3220	
LC1-FDP330A	LA5-F33050	3450	
LC1-FDP400A	LA5-F40050	3700	
LC1-FDP500A	LA5-F50050	4110	
LC1-FDP630A	LA5-F63050	9540	
LC1-FDP780A	LA5-F780150*	7000	

Spare Arc Chamber 4P			
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)
LC1-FDP1154A	LA5-F115450	2190	1
LC1-FDP1504A	LA5-F150450		
LC1-FDP1854A	LA5-F185450	3090	
LC1-FDP2254A	LA5-F225450	3250	
LC1-FDP2654A	LA5-F265450	3850	
LC1-FDP3304A	LA5-F330450	4070	
LC1-FDP4004A	LA5-F400450	5060	
LC1-FDP5004A	LA5-F500450	5820	
LC1-FDP6304A	LA5-F630450	11650	
LC1-FDP7804A	LA5-F780150*	7400	
LC1-FDP8004A	LA5-F80050	11700	

# 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.

## D Range Contactors & Overload Relays

GLOBAL CERTIFICATION



Control Relays 10 Amps			
Contact Configuration	A.C. Reference	MRP (₹)	Std. Pkg. (Nos.)
2NO+2NC	CA2-DN1229 ■	875	1
3NO+1NC	CA2-DN1319 ■		
4NO	CA2-DN140 ■		

■ Please specify Coil Voltage.



Power Contactors - 3 Pole, AC								
Size	AC1 Duty A	AC3 415V Long Life			Auxiliary Contacts	Reference	MRP (₹)	Std. Pkg. (Nos.)
		KW	HP	A				
Frame 1	25	4	5.5	9	1NO -	LC1-D093 ■	820	1
					- 1NC	LC1-D099 ■		
	25	5.5	7.5	12	1NO -	LC1-D123 ■	930	
					- 1NC	LC1-D129 ■		
	32	9	12.5	16	1NO -	LC1-D173 ■	1080	
					- 1NC	LC1-D179 ■		
Frame 2	40	11	15	25	1NO -	LC1-D253 ■	1380	
					- 1NC	LC1-D259 ■		
	50	15	20	32	1NO -	LC1-D323 ■	2965	
					- 1NC	LC1-D329 ■		
Frame 3	60	22	30	40	1NO 1NC	LC1-D403 ■	4140	
	80	25	35	50	1NO 1NC	LC1-D503 ■	5480	
	80	37	50	63	1NO 1NC	LC1-D633 ■	7075	
	125	45	60	80	1NO 1NC	LC1-D803 ■	8930	

Add-on-Blocks for D Range Contactors					
Contactor	Reference	MRP (₹)	Std. Pkg. (Nos.)		
Additional Instantaneous Aux. Contact Blocks	Front Mounted	2NO	LA1-D20	265	
		1NO+1NC	LA1-D11		
		2NC	LA1-D02		
		4NO	LA1-D40		
	Front Mounted	400	3NO+1NC	LA1-D31	
			2NO+2NC	LA1-D22	
			1NO+3NC	LA1-D13	
			4NC	LA1-D04	
Overlapping Aux. Contacts	Front Mounted	2NO+2 NC	LA1-D1111#	580	10

Thermal Overload Relays Type LR1 - Direct Mounting						
Relay Setting Range A	Std. Power Rating for 3 Phase Motor at 415V		Reference	MRP (₹)	Independent Mounting Kit	Std. Pkg. (Nos.)
	HP	KW				
0.10-0.16	*	*	LR1-D09301	1085	Reference LA7-D0964 MRP ₹ 180	1
0.16-0.25	*	*	LR1-D09302			
0.25-0.40	*	*	LR1-D09303			
0.40-0.63	*	*	LR1-D09304			
0.63-1.00	0.5	0.37	LR1-D09305			
1.00-1.60	0.75	0.55	LR1-D09306			
1.60-2.50	1.5	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	1305	Reference LA7-D3264 MRP ₹ 265	1
10.0-13.0	7.50	5.50	LR1-D12316			
13.0-18.0	12.00	9.00	LR1-D16321	1865	Reference LA7-D4054 MRP ₹ 360	1
18.0-25.0	15.00	11.00	LR1-D25322			
23.0-32.0	20.00	15.00	LR1-D32353	2055		
28.0-40.0	20.00	15.00	LR1-D32355			
23.0-32.0	20.00	15.00	LR1-D40353	2375		
30.0-40.0	30.00	22.00	LR1-D40355			
38.0-50.0	35.00	25.00	LR1-D63357	3375		
48.0-57.0	40.00	30.00	LR1-D63359			
57.0-66.0	50.00	37.00	LR1-D63361	3705		

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

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.

Thermal Overload Relays Type LR1 - Independent Mounting					
Relay Setting Range A	Std. Power Rating for 3 Phase Motor at 415V		Reference	MRP (₹)	Std. Pkg. (Nos.)
	HP	KW			
66.0 to 80.0	60	45	LR1-D80363	3725	1

Spare AC Coil Voltage for D Range Contactors AC (Standard)			
Use for Contactor AC (Standard)	Reference	MRP (₹)	Std. Pkg. (Nos.)
CA2-DN1	LX1-D09 ■	415	15
LC1-D09			
LC1-D12			
LC1-D17			
LC1-D25	LX1-D25 ■	485	10
LC1-D32			
LC1-D40	LX1-D40 ■	1220	1
LC1-D50**			
LC1-D63			
LC1-D80**			

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

■ 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

**Accessories**

D Range Mechanical Interlocks Horizontally Mounted			
Use for Contactor AC	Reference	MRP (₹)	Std. Pkg. (Nos.)
LC1-D09	LA9-D09978	390	10
LC1-D12			
LC1-D17			
LC1-D25			
LC1-D32			
LC1-D40	LA9-D50978	930	
LC1-D50			
LC1-D63			
LC1-D80	LA9-D80978	1265	

Spare Top Housing 3P			
For Control Relay/ Contactor AC	Reference	MRP (₹)	Std. Pkg. (Nos.)
CA2-DN140	LA5-DN140	720	1
CA2-DN1319	LA5-DN1319		
CA2-DN1229	LA5-DN1229		
LC1-D093	LA5-D093		
LC1-D099	LA5-D099		
LC1-D123	LA5-D123	810	
LC1-D129	LA5-D129	870	
LC1-D173	LA5-D173		
LC1-D179	LA5-D179	1145	
LC1-D253	LA5-D253		
LC1-D259	LA5-D259	2285	
LC1-D323	LA5-D323		
LC1-D329	LA5-D329	3505	
LC1-D403	LA5-D403		
LC1-D503	LA5-D503	4295	
LC1-D633	LA5-D633	5545	
LC1-D803	LA5-D803	7220	

Coil Suppressor			
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)
For mounting across coil of contactor upto 80Amp, with RC network suitable for <250VAC & <400V AC	LA9-D09980	415	10

Mechanical Latching Blocks			
Description for Contractors/ Control Relays Type	Reference	MRP (₹)	Std. Pkg. (Nos.)
CA2-DN1 LC1-D09, LC1-D12 LC1-D17, LC1-D25, LC1-D32	LA6-DK01	1705	10

Add-on Starting Switch			
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)
NO starting Switch suitable for direct mounting on Control Relays & Contactors	LA9-D09906	140	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	72	110	220	240	380	415/440
LA6-DK01	B	E	EN	F	M	U	Q	N



Definite Purpose Contactor				
FLA	Resistive AMP Rating	Reference	MRP (₹)	Std. Pkg. (Nos.)
<b>Single Pole (Without Shunt)</b>				
25	30	TCDP251*	590	1
30	40	TCDP301*	640	
40	50	TCDP401*	650	
<b>Single Pole (With Shunt)</b>				
25	30	TCDP251S*	620	1
30	40	TCDP301S*	680	
40	50	TCDP401S*	720	
<b>Two Pole</b>				
20	30	TCDP202*	685	1
30	40	TCDP302*	720	
40	50	TCDP402*	770	
20	30	TCDP203*	865	

AC Coil Voltage Codes for Definite Purpose Contactors			
Voltage	24VAC	110VAC	240VAC
50Hz	B5	G5	U5
60Hz	B6	G6	U6

☒ Non Stockable item

**Contactors - 4 Pole, AC**


AC3, 415V			Main Poles Configuration	Reference	MRP (₹)	Std. Pkg. (Nos.)
kW	HP	A				
7.5	10	20	4NO	TC1DX204	1510	1
11	15	25	4NO	TC1DX254	2230	
22	30	40	4NO	TC1DX404	3890	

■ Please specify Coil Voltage.

**AC Coil Voltage Codes (Standard) for 4 Pole Contactors**

Contactor 4P	Voltage			
	110	220	190~400	250~450
TC1-DX204/254	F	M	Q	N

**Spare Coil for 4 Pole Contactors**

Reference	Coil Voltage	MRP (₹)	Std. Pkg. (Nos.)
TX1D20	110/220/190~400/250~450	260	1

**Spare Contact Kit for 4 Pole Contactor**

Reference	Description	MRP (₹)	Std. Pkg. (Nos.)
TA5DX204	20A Contact Kit, 4-Pole	620	1
TA5DX254	25A Contact Kit, 4-Pole	1120	
TA5DX404	40A Contact Kit, 4-Pole	1850	

**Add-on-Blocks for 4 Pole Contactors**

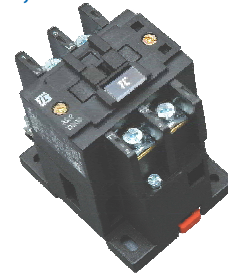
Description	Contact Configuration	Reference	MRP (₹)	Std. Pkg. (Nos.)
Front mounted Aux. contact Block	NO+1NC	TA1-DN11A	175	2

**Mechanical Interlock for 4 Pole Contactors**

Description	Reference	MRP (₹)	Std. Pkg. (Nos.)
Horizontal Mounted	LA9-D09978	360	10

**Thermal Overload Relays 3 Pole type LR3D - Direct Mounting**

Relay Setting Range (A)	Reference	MRP (₹)	Std. Pkg. (Nos.)
1.60-2.50	LR3D09307	1000	1
2.50-4.00	LR3D09308		
4.00-6.00	LR3D09310		
5.50-8.00	LR3D09312		
7.00-10.0	LR3D09314		
9.0-14.0	LR3D12316X	1080	
13.0-18.0	LR3D16321	1110	
14.0-22.0	LR3D16321X		
18.0-25.0	LR3D25322		

**Contactors - 2 Pole, AC**


AC1 Duty	AC3 220V AC		MRP (₹)	Std. Pkg. (Nos.)
	A	Reference		
32	20	AC2-D202	765	2
40	25	AC2-D252	1030	
40	40	AC2-D402	1430	

**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.

**Spare Coil for 2 Pole Contactors**

Reference	Coil Voltage	MRP (₹)	Std. Pkg. (Nos.)
AX1D2 MU	220/240V, 50Hz	225	5
AX1D2 M	220V, 50Hz		
AX1D2 QN	380/415V, 50Hz		
AX1D2 N	415V, 50Hz		

**Spare Contact Kit for 2 Pole Contactor**

Reference	Description	MRP (₹)	Std. Pkg. (Nos.)
AC5D202	20A Contact Kit, 2-Pole	360	1
AC5D252	25A Contact Kit, 2-Pole	750	
AC5D402	40A Contact Kit, 2-Pole	985	
AC5D2011	20A Contact Kit, 1NO+1NC	365	

**Add-on-Blocks for 2 Pole Contactors**

Description	Contact Configuration	Reference	MRP (₹)	Std. Pkg. (Nos.)
Front mounted Aux. contact Block	2NO 1NO+1NC 2NC	LA1-D20A	175	20
		LA1-D11A		
		LA1-D02A		

**Thermal Overload Relays 2 Pole type LR7D - Direct Mounting**


Relay Setting Range (A)	Reference	MRP (₹)	Independent Mounting Kit	Std. Pkg. (Nos.)
4.0-6.0	LR7-D09210	480	LA7D0964 MRP ₹180	1
5.5-8.0	LR7-D09212			
7.0-10	LR7-D09214			
9.0-14	LR7-D12216X	550		
13-18	LR7-D16221			
14-22	LR7-D16221X			
18-25	LR7-D25222	690		
23-32	LR7-D32253			



## IEC 60309 Series

IP 44 & IP 67 Versions	DESCRIPTION	Rating (Amp)	Protection Degree	3 PIN, 2P+E 240V AC			4 PIN, 3P+E 415V AC			5 PIN, 3P+N+E 415V AC		
				Code	MRP (₹)	Reference h	Code	MRP (₹)	Reference h	Code	MRP (₹)	Reference h
	Panel Mounting Socket - Splash Proof	16	IP 44	CS62205	330	6	-	-	-	CS62210	555	6
		32		CS62216	570	6	-	-	-	CS62221	645	6
	Panel Mounting Socket - Water Tight	16	IP 67	CS62227	710	6	-	-	-	CS62232	750	6
		32		CS62238	705	6	-	-	-	CS62243	1000	6
		63		CS63249	2800	6	-	-	-	CS63254	2565	6
		125		-	-	-	-	-	-	CS62262	9614	6
	Surface Mounting Socket - Splash Proof	16	IP 44	CS62404	545	6	-	-	-	CS62409	600	6
		32		CS62415	665	6	-	-	-	CS62420	715	6
	Surface Mounting Socket - Water Tight	16	IP 67	CS62426	920	6	-	-	-	CS62431	1190	6
		32		CS62437	1140	6	CS62283	1300	3	CS62442	1375	6
		63		CS63448	3680	6	-	-	-	CS63453	3325	6
		125		-	-	-	-	-	-	CS63463	12645	6
	Plugs - Splash Proof	16	IP 44	CS60004	285	6	-	-	-	CS60009	380	6
		32		CS60015	455	6	-	-	-	CS60020	550	6
	Plugs - Water Tight	16	IP 67	CS60026	615	6	-	-	-	CS60031	815	6
		32		CS60037	950	6	CS60145	1015	3	CS60042	975	6
		63		CS61048	2755	6	-	-	-	CS61053	2610	6
		125		-	-	-	-	-	-	CS60061	8255	6
	Surface Mounting Interlocked Switched Socket Outlet - Horizontal	16	IP 44	CS66004(H)	4180	6	-	-	-	CS66109(H)	5225	6
		32		CS66015(H)	4750	6	-	-	-	CS66020(H)	5890	6
	Surface Mounting Interlocked Switched Socket Outlet - Vertical	16	IP 67	CS66200	4725	6	-	-	-	CS66202	6745	6
		32		CS66201	6555	6	-	-	-	CS66203	8075	6
	Connector - Splash Proof	16	IP 44	CS62004	415	6	-	-	-	CS66215	475	-
		32		CS62015	520	6	-	-	-	CS66225	665	-
	Connector Water Tight	32	IP 67	-	-	-	CS62128	1350	3	-	-	-

Note: Plugs & Sockets 3 PIN, 2P+E 240V AC are in Blue color, 5 PIN, 3P+N+E 415V AC are in Red color

AC Distribution Box with Socket	DESCRIPTION	Rating (Amp)	Protection Degree	Code	MRP (₹)	Reference h
	AC Distribution Box (Includes Socket & Plug)	16A 3P 240V	IP 40	CS60045	1045	6
		32A 3P 240V		CS60046	1280	6
		32A 5P 415V		CS60047	1755	6
		63A 5P 415V		CS60048	5035	6

# Control & Signalling Devices

Metallic & Polycarbonate Series














## Push Buttons & Pilot Lamps


- Conforms to IS/IEC60947-5
- Ø22.5 mm Push Buttons, Emergency Stop PBs, Selector Switches, Illuminated & Non-Illuminated Actuators in Metallic & Polycarbonate 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






Globally accepted


## Push Buttons: 22.5mm Without Contact Elements


Push Button Actuators with Carrier - Non-Illuminated				
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
Push Spring Return Push Button	RCP2-BA1 ○	52	20	
	RCP2-BA2 ●			
	RCP2-BA3 ●			
	RCP2-BA4 ●			
	RCP2-BA5 ●			
	RCP2-BA6 ●			
Flush Spring Return Push Button with contact	RCP2BA33 ●	128	10	
	RCP2BA35 ●			
Projecting Push Button	RCP2-BL1 ○	55	20	
	RCP2-BL2 ●			
	RCP2-BL3 ●			
	RCP2-BL4 ●			
	RCP2-BL5 ●			
	RCP2-BL6 ●			
Mushroom Head Push Button, Spring Return	RCP2-BC2 ●	80	8	
	RCP2-BC3 ●			
	RCP2-BC4 ●			
	RCP2-BC5 ●			
	RCP2-BC6 ●			
	RCP2-BC6			
Mushroom Head Push Button, Spring Return with contact	RCP2-BC21 ●	120	8	
	RCP2-BC31 ●			
	RCP2-BC42 ●			
	RCP2-BC51 ●			
	RCP2-BC61 ●			
Mushroom Head ∅40mm Push Button Stay Put turn to release	RCP2BS54 ●	110	8	
Mushroom Head ∅40mm Push to Stay Pull to release	RCP2BT4 ●			
Mushroom Head ∅60mm Push Button Stay Put turn to release	RCP2BS64 ●	160	5	
Mushroom Head Push Button, Push to Stay & Key to release	RCP2BS14 ●	226	8	
Push Button Stay Put ∅30mm (Press to Lock turn to release)	RCP2BS44 ●	108	10	
Push Button Actuators with Carrier & Contact Element-Non-Illuminated				
Flush Spring Return Push Button with 1NO Block	RCP2-BA11 ○	86	10	
	RCP2-BA21 ●			
	RCP2-BA31 ●			
	RCP2-BA51 ●			
	RCP2-BA61 ●			
	RCP2-BA41 ●			
Push Button with 1NC Block	RCP2-BA42 ●			
Projecting Head Push Button with 1NO Block	RCP2-BL11 ○	86	10	
	RCP2-BL21 ●			
	RCP2-BL31 ●			
	RCP2-BL61 ●			
Projecting PB with 1NC Block	RCP2-BL42 ●			
Push Button Actuators - Illuminated Flush without Series Resistor				
Illuminated Actuator, Flush (With BA9 Filament Bulb) 12V, 24V, 48V, 110V AC / DC	RCP2-BW316 ▲	130	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 ▲			
	RCP2-BWN346 ▲			
	RCP2-BWN356 ▲			

Push Button Actuators - Illuminated Flush with Series Resistor				
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
Illuminated Actuator, Flush (with BA9S Filament Bulb, 130V) 220V AC/DC	RCP2-BW317 ▲	140	10	
	RCP2-BW337 ▲			
	RCP2-BW347 ▲			
	RCP2-BW357 ▲			
	RCP2-BW367 ▲			
	RCP2-BW377 ▲			
	RCP2-BW387 ▲			

Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
LED Type Push Button Actuators - Illuminated Flush				
Flush Illuminated with Integral Circuit LED 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220DC	RCP2-BWL317 ▲	160	10	
	RCP2-BWL337 ▲			
	RCP2-BWL347 ▲			
	RCP2-BWL357 ▲			
	RCP2-BWL377 ▲			
	RCP2-BWL387 ▲			
	RCP2-BWL367 ▲			
		288		








Push Button Actuator-Illuminated Projecting without Series Resistor				
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
Illuminated Actuator, Flush (with BA9 filament bulb) 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220DC	RCP2-BW116 ▲	125	10	
	RCP2-BW136 ▲			
	RCP2-BW146 ▲			
	RCP2-BW156 ▲			
	RCP2-BW186 ▲			
	RCP2-BW166 ▲			
Illuminated Actuator, Flush (With BA9 Neon Bulb) 220V, 380V, 415V (AC/DC)	RCP2-BW176 ▲			
	RCP2-BWN136 ▲			
	RCP2-BWN146 ▲			
	RCP2-BWN156 ▲			








Push Button Actuator-Illuminated projecting without Series Resistor				
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
Illuminated Actuator, Projecting (with BA9S Filament Bulb, 130V) 220V (AC/DC)	RCP2-BW117 ▲	130	10	
	RCP2-BW137 ▲			
	RCP2-BW147 ▲			
	RCP2-BW157 ▲			
	RCP2-BW187 ▲			
	RCP2-BW167 ▲			
	RCP2-BW177 ▲			

LED Type Push Button Actuators - Illuminated Projecting Type of voltage AC/DC to be specified				
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
Projecting Illuminated Actuator, with integral LED, suitable for operating 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220DC	RCP2-BWL117 ▲	160	10	
	RCP2-BWL137 ▲			
	RCP2-BWL147 ▲			
	RCP2-BWL157 ▲			
	RCP2-BWL177 ▲			
	RCP2-BWL187 ▲			
		294		

Colour Code for Actuator / Lens								
Colour Code	1	2	3	4	5	6	7	8
Colour of Actuator	White ○	Black ●	Green ●	Red ●	Yellow ●	Blue ●	-	-
Colour of Lens	White ○	-	Green ●	Red ●	Amber ●	Blue ●	Clear ○	Yellow ●

## Push Buttons: 22.5mm Without Contact Elements

Selector Switch Actuators with Carrier				
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
2-Position Selector Switch (stay put)	RCP2-BD2	156	10	
3-Position Selector Switch, centre 'OFF' (stay put)	RCP2-BD3			
2-Position Selector Switch with extra long knob (stay put)	RCP2-BJ2	156	10	
3-Position Selector Switch, with extra long knob centre 'OFF' (stay put)	RCP2-BJ3			
3-Position Selector Switch (Spring Return)	RCP2-BDR3	165	10	
3-Position Selector Switch extra long knob (Spring Return)	RCP2-BJR3	165	10	
Selector Switch Actuators with Carrier & Contact Element				
2-Position Selector Switch (stay put) with 1NO Block	RCP2-BD21	180	10	
2-Position Selector Switch, centre 'OFF' (stay put) with NO+NC Block	RCP2-BD25	220		
3-Position Selector Switch, centre 'OFF' (stay put) with NO+NC Block	RCP2-BD35			
Key Actuators with Carrier				
2-Position Key Switch, Key removable in unactuated position	RCP2-BG2	225	10	
2-Position Key Switch, Key removable in both position	RCP2-BG4			
2-Position Key Switch, Key removable in 'Right Hand' position	RCP2-BG02			
3-Position Key Switch, Key removable in centre 'OFF' position	RCP2-BG3	235	10	
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	50	10	
Reset Extended Actuator Pushbutton - Hex Type	RCB2AL8H			
Plastic Adaptor for 30 mm hole to 22.5 mm.	RP2-BZ41M	14	20	
Metal Adaptor for 30 mm hole to 22.5 mm	RB2-BZ41M			
Recess (Guarded) Push button - Plastic	RP2-BA16 ○	44	10	
	RP2-BA26 ●			
	RP2-BA36 ●			
	RP2-BA46 ●			
	RP2-BA56 ●			
	RP2-BA66 ●			

Push Buttons Extended Range				
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
Intermittent Sounding Flashing Buzzer 15 ~ 20 mA, sound level 80 dB.24V, 48V, 110V AC/DC 240V AC (* Add Voltage code)	RB2-KS* ●	170	10	
Pilot Lamps with Transformer				
Pilot Lamp (with BA9S Filament Bulb) for Input Voltage:240V AC and output Voltage: 6VAC	RCP2-BV41 ▲ ○	285	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 ▲ ○	285	8	
	RCP2-BV33 ▲ ●			
	RCP2-BV34 ▲ ●			
	RCP2-BV35 ▲ ●			
	RCP2-BV36 ▲ ●			
	RCP2-BV37 ▲ ○			
Pilot Lamps with Series Resistor				
Pilot Lamp (with BA9S Filament Bulb 130V) 220V AC / DC	RCP2-BV71 ▲ ○	112	10	
	RCP2-BV73 ▲ ●			
	RCP2-BV74 ▲ ●			
	RCP2-BV75 ▲ ●			
	RCP2-BV76 ▲ ●			
	RCP2-BV77 ▲ ○			
Pilot Lamps with Series Resistor & Diode				
Pilot Lamp (with BA9S Filament Bulb 130V) 110V AC, 220V DC,	RCP2 BVD71 ▲ ○	122	10	
	RCP2-BVD73 ▲ ●			
	RCP2-BVD74 ▲ ●			
	RCP2-BVD75 ▲ ●			
	RCP2-BVD76 ▲ ●			
	RCP2-BVD77 ▲ ○			
Contact Elements - NO/NC				
Contact Element 1 NO	RB2- BE-101	50	50	
Contact Element 1 NC	RB2- BE-102			
LED Type Pilot Lamp Type of voltage AC / DC to be specified				
Pilot Light with integral circuit LED 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220VDC	RCP2-BVL73 ▲ ●	148	10	
	RCP2-BVL74 ▲ ●			
	RCP2-BVL75 ▲ ●			
	RCP2-BVL77 ▲ ○			
	RCP2-BVL71 ▲ ○			
	RCP2-BVL78 ▲ ●			
	RCP2-BVL76 ▲ ●	268		













### How to Order:












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

▲ Add Voltage Code

## Push Buttons: 22.5mm

Metallic Range (Without Contact Elements)

Push Button Actuators with Carrier - Non-Illuminated				
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
Flush Spring Return Push Button	RCB2-BA1 ○	57	20	
	RCB2-BA2 ●			
	RCB2-BA3 ●			
	RCB2-BA4 ●			
	RCB2-BA5 ●			
	RCB2-BA6 ●			
Projecting Push Button	RCB2-BL1 ○	62	20	
	RCB2-BL2 ●			
	RCB2-BL3 ●			
	RCB2-BL4 ●			
	RCB2-BL5 ●			
	RCB2-BL6 ●			
Booted Push Button	RCB2-BP2 ●	92	20	
	RCB2-BP3 ●			
	RCB2-BP4 ●			
	RCB2-BP5 ●			
	RCB2-BP6 ●			
	RCB2-BP6 ●			
Mushroom Head Push Button, Spring Return	RCB2-BC2 ●	92	20	
	RCB2-BC3 ●			
	RCB2-BC4 ●			
	RCB2-BC6 ●			
Mushroom Head Push Button Stay Put (press to lock, turn to release)	RCB2-BS54 ●	130	8	
	RCB2-BS64 ●	172	5	
Mushroom Head Push Button, Push to Stay & Pull to release	RCB2-BT4 ●	146	8	
Mushroom Head Push Button, premarked Pull to Reset	RCB2-BT43 ●			
Mushroom Head Key Switch, StayPut, Key removable in both positions (press to lock and key to release)	RCB2-BSI4 ●	255	8	
Push Button Stay Put (press to lock, turn to release)	RCB2-BS44 ●	126	10	
Push Button Actuators with Carrier & Contact Element-Non-Illuminated				
Flush Spring Return Push Button with 1NO Block	RCB2-BA11 ○	102	20	
	RCB2-BA21 ●			
	RCB2-BA31 ●			
	RCB2-BA51 ●			
	RCB2-BA61 ●			
	RCB2-BA41 ●			
Push Button with 1NC Block	RCB2-BA42 ●	152	20	
Push Button with 2NO Block	RCB2-BA33 ●			
Projecting Head Push Button with 1NO Block	RCB2-BL11 ○	102	10	
	RCB2-BL21 ●			
	RCB2-BL31 ●			
	RCB2-BL51 ●			
Projecting PB with 1NC Block	RCB2-BL42 ●	165	8	
	Mushroom Head Push Button Stay Put (press to lock, turn to release) with 1NC Block			
Mushroom Head Actuators - Illuminated				
Mushroom head push button illuminated (with BA9S Filament Bulb, 130V) 220V AC/DC - 2 position Momentary	RCB2-BW437 ●	308	8	
	RCB2-BW447 ●			
	RCB2-BW637 ●	346		
	RCB2-BW647 ●			

Push Button Actuators-Illuminated Flush without Series Resistor				
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
Illuminated Actuator, Flush (with BA9S Filament Bulb) 12V, 24V, 48V, 110V AC/DC	RCB2-BW316 ▲ ○	142	10	
	RCB2-BW336 ▲ ●			
	RCB2-BW346 ▲ ●			
	RCB2-BW356 ▲ ●			
	RCB2-BW366 ▲ ●			
	RCB2-BW376s ▲ ○			
Illuminated Actuator, Flush (with BA9S Neon Bulb) 220V, 380V, 415V AC/DC	RCB2-BWN336 ▲ ●	148	10	
	RCB2-BWN346 ▲ ●			
	RCB2-BWN356 ▲ ●			
Push Button Actuators-Illuminated Flush with Series Resistor				
Illuminated Actuator, Flush (with BA9S Filament Bulb, 130V) 220V AC/DC	RCB2-BW317 ▲ ○	148	10	
	RCB2-BW337 ▲ ●			
	RCB2-BW347 ▲ ●			
	RCB2-BW357 ▲ ●			
	RCB2-BW387 ▲ ●			
	RCB2-BW367 ▲ ●			
LED Type Push Button Actuators - Illuminated Flush	RCB2-BWL337 ▲ ●	178	10	
	RCB2-BWL347 ▲ ●			
	RCB2-BWL357 ▲ ●			
	RCB2-BWL317 ▲ ○			
	RCB2-BWL377 ▲ ●			
	RCB2-BWL387 ▲ ●			
Flush Illuminated Actuator, with integral circuit LED 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220DC	RCB2-BWL367 ▲ ●	296	10	
	RCB2-BWL367 ▲ ●			
Push Button Actuators-Illuminated Projecting without Series Resistor				
Illuminated Actuator, Projecting (with BA9S Filament Bulb) 12V, 24V, 48V, 110V AC/DC	RCB2-BW116 ▲ ○	130	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 ▲ ●	130	10	
	RCB2-BWN146 ▲ ●			
	RCB2-BWN156 ▲ ●			
Push Button Actuators - Illuminated Projecting with Series Resistor				
Illuminated Actuator, Projecting (with BA9S Filament Bulb, 130V) 220V AC/DC	RCB2-BW117 ▲ ○	130	10	
	RCB2-BW137 ▲ ●			
	RCB2-BW147 ▲ ●			
	RCB2-BW157 ▲ ●			
	RCB2-BW167 ▲ ●			
	RCB2-BW177 ▲ ○			
LED Type Push Button Actuators - Illuminated Projecting Type of voltage AC/DC to be specified				
Projecting Illuminated Actuator, with integral circuit LED 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220DC	RCB2-BWL137 ▲ ●	178	10	
	RCB2-BWL147 ▲ ●			
	RCB2-BWL157 ▲ ●			
Projecting Illuminated Actuator, with integral circuit LED 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220DC	RCB2-BWL167 ▲ ●	340	10	
	RCB2-BWL167 ▲ ●			
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 ▲ ●	204	8	

▲Add Voltage Code

## Push Buttons: 22.5mm









Metallic Blue (Without Contact Elements)

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Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
<b>Push Button Actuators with Carrier - Non-Illuminated</b>				
Double Push Button, Flush Green & Red Knob marked I&O respectively	RCB2-BA87 	112	10	
<b>Selector Switch Actuators with Carrier</b>				
2-Position Selector Switch (stay put)	RCB2-BD2 RCB2-BD27*	175	10	
3-Position Selector Switch, centre 'OFF' (stay put)	RCB2-BD3 RCB2-BD37*			
2-Position Selector Switch with extra long knob (stay put)	RCB2-BJ2 RCB2-BJ27*	180	10	
3-Position Selector Switch, with extra long knob centre 'OFF' (stay put)	RCB2-BJ3 RCB2-BJ37*			
2-Position Selector Switch (Spring Return)	RCB2-BDR2 RCB2-BDR27*	200	10	
3-Position Selector Switch (Spring Return)	RCB2-BDR3 RCB2-BDR37*			
2-Position Selector Switch extra long knob (Spring Return)	RCB2-BJR2 RCB2-BJR27*	200	10	
3-Position Selector Switch extra long knob (Spring Return)	RCB2-BJR3 RCB2-BJR37*			
<b>Selector Switch Actuators with Carrier &amp; Contact Element</b>				
2-Position Selector Switch (stay put) with 1NO Block	RCB2-BD21 RCB2-BD217*	215	10	 +
2-Position Selector Switch, centre 'OFF' (stay put) with NO+NC Block	RCB2-BD25 RCB2-BD257*	258		
3-Position Selector Switch, centre 'OFF' (stay put) with NO+NC Block	RCB2-BD35 RCB2-BD357*			




\* with Black Bezel



<b>Selector Switch Actuators - Illuminated with series resistor</b>				
2-Position Illuminated Selector Switch (with BA9S Filament Bulb 130V) suitable for operation at 220V AC/DC	RCB2-BK1237 	278	10	
	RCB2-BK1247 			
	RCB2-BK1257 			
3-Position Illuminated Selector Switch (with BA9S Filament Bulb 130V) suitable for operation at 220V AC/DC	RCB2-BK1337 	278	10	
	RCB2-BK1347 			
	RCB2-BK1357 			

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


<b>Selector Switch Actuators - Illuminated without series resistor</b>				
3-Position Illuminated Selector Switch (with BA9S Filament Bulb) 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220DC	RCB2-BK1336 	278	10	
	RCB2-BK1346 			
	RCB2-BK1356 			
2-Position Illuminated Selector Switch (with LED Bulb) 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220DC	RCB2-BKL1237 	278	10	
	RCB2-BKL1247 			
	RCB2-BKL1257 			
3-Position Illuminated Selector Switch (with LED Bulb) 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220DC	RCB2-BKL1337 	278	10	
	RCB2-BKL1347 			
	RCB2-BKL1357 			

▲ Add Voltage Code

Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
<b>Key Actuators with Carrier</b>				
2-Position Key Switch, Key removable in unactuated position	RCB2-BG2 RCB2-BG27*	252	10	
2-Position Key Switch, Key removable in both position	RCB2-BG4 RCB2-BG47*			
2-Position Key Switch, Key removable in 'Right Hand' position	RCB2-BG02 RCB2-BG027*			
3-Position Key Switch, Key removable in centre 'OFF' position	RCB2-BG3 RCB2-BG37*	258	10	
3-Position Key Switch, Key removable in all position	RCB2-BG0 RCB2-BG0-7*			
3-Position Key Switch, Key removable in 'Left Hand & Right Hand' position	RCB2-BG5 RCB2-BG57*	258	10	
3-Position Key Switch, Key removable in 'Left Hand' position	RCB2-BG9 RCB2-BG97*			
3-Position Key Switch, Key removable in 'Right Hand' position	RCB2-BG09 RCB2-BG097*			
3-Position (Spring Return) Key Switch, Key removable in 'Center' position	RCB2-BG7 RCB2-BG77*			

<b>Key Actuators with Carrier &amp; Contact element</b>				
2-Position Key Switch with 1NO Block, Key removable in unactuated position	RCB2-BG21 RCB2-BG217*	276	10	 +
2-Position Key Switch with 1NO Block, Key removable in both position	RCB2-BG41 RCB2-BG417*			
3-Position Key Switch with 1NO+1NC Block key removable in centre 'OFF' position	RCB2-BG31 RCB2-BG317*	325	10	
3-Position Key Switch with 1NO+1NC Block key removable in all position	RCB2-BG04 RCB2-BG047*			

### Contact Elements - NO/NC

Contact Element	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
Contact Element 1 NO	RB2- BE-101	51	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.






\* with Black Bezel






<b>Colour Code for Actuator / Lens</b>								
Colour Code	1	2	3	4	5	6	7	8
Colour of Actuator	White ○	Black ●	Green ●	Red ●	Yellow ●	Blue ●	-	-
Colour of Lens	White ○	-	Green ●	Red ●	Amber ●	Blue ●	Clear ○	Yellow ●

## Pilot Lamps: 22.5mm Metallic Range

GLOBAL CERTIFICATION


















LED Type Pilot Lamp - Type of voltage AC / DC to be specified				
Description	Reference	MRP (₹)	Std. Pkg. (No.s)	Product Picture
Pilot Light with integral circuit LED 48V, 24V & 12V (AC/DC) also available in 110V AC, 110V DC, 240V AC, 220DC	RCB2-BVL71▲○	160	10	
	RCB2-BVL73▲●			
	RCB2-BVL74▲●			
	RCB2-BVL75▲●			
	RCB2-BVL77▲○			
	RCB2-BVL78▲●	326		
Pilot Lamps with Transformer				
Pilot Lamp (with BA9S Filament Bulb) for Input Voltage 240V AC and output Voltage 6V AC	RCB2-BV41▲●	308	8	
	RCB2-BV43▲●			
	RCB2-BV44▲●			
	RCB2-BV45▲●			
	RCB2-BV46▲●			
	RCB2-BV47▲○			
	RCB2-BV48▲●			
Pilot Lamp (with BA9S Filament Bulb) for Input Voltage 110V AC and output Voltage 6V AC	RCB2-BV31▲●	308	8	
	RCB2-BV33▲●			
	RCB2-BV34▲●			
	RCB2-BV35▲●			
	RCB2-BV36▲●			
	RCB2-BV37▲○			
RCB2-BV38▲●				
Pilot Lamps with Series Resistor				
Pilot Lamp (with BA9S Filament bulb 130V) 220V AC/DC	RCB2-BV71▲●	120	10	
	RCB2-BV73▲●			
	RCB2-BV74▲●			
	RCB2-BV75▲●			
	RCB2-BV76▲●			
	RCB2-BV77▲○			
RCB2-BV78▲●				
Pilot Lamps with Series Resistor & Diode				
Pilot Lamp (with BA9S Filament Bulb 130V) 240V AC	RCB2-BVD71	128	10	
	RCB2-BVD73▲●			
	RCB2-BVD74▲●			
	RCB2-BVD75▲●			
	RCB2-BVD76▲●			
	RCB2-BVD77▲○			
	RCB2-BVD78▲●			






Push Button Powder Coated Actuators with Carrier				
Description	Reference	MRP (₹)	Std. Pkg. (No.s)	Product Picture
Flush Spring Return Push Button powder coated	RCB2-BA17 ○	60	20	
	RCB2-BA27 ●			
	RCB2-BA37 ●			
	RCB2-BA47 ●			
	RCB2-BA57 ●			
	RCB2-BA67 ●			
Projecting Push Button	RCB2-BL17 ○	66	66	
	RCB2-BL27 ●			
	RCB2-BL37 ●			
	RCB2-BL47 ●			
	RCB2-BL57 ●			
	RCB2-BL67 ●			
Integrated LED Pilot Lamp - Type of voltage AC/DC to be specified				
Integral LED pilot Lamp suitable for operating at common voltage (AC/DC) 110V, 48V, 24V & 12V  Also available at operational voltage 240V AC, 220V DC, 110V AC, 110V DC	RCB7-IVL73▲●	110	215	
	RCB7-IVL74▲●			
	RCB7-IVL75▲●			
	RCB7-IVL77▲○	190		
	RCB7-IVL78▲●			
	RCB7-IVL76▲●			
Wide range: 12V~240V (AC/DC)	RCB7-IVL71▲○	234	215	
	RCB7-IVL73▲●			
	RCB7-IVL74▲●			
	RCB7-IVL75▲●			
	RCB7-IVL77▲●			
	RCB7-IVL78▲●			
	RCB7-IVL76▲●	320	215	
	RCB7-IVL71▲○			

## Accessories

Metallic Range (For Push Buttons & Pilot Lamps : 22.5mm)

Operating Heads Without Contact Block and Carrier				
Description	Reference	MRP (₹)	Std. Pkg. (No.s)	Product Picture
Pilot Lamp Head	RB2-BV01 ○	57	20	
	RB2-BV03 ●			
	RB2-BV04 ●			
	RB2-BV05 ●			
	RB2-BV06 ●			
	RB2-BV07 ○			
	RB2-BV08 ●			
Flush Push Button	RB2-BA1 ○	53	20	
	RB2-BA2 ●			
	RB2-BA3 ●			
	RB2-BA4 ●			
	RB2-BA5 ●			
	RB2-BA6 ●			
Projecting Push Button	RB2-BL1	58	20	
	RB2-BL2 ●			
	RB2-BL3 ●			
	RB2-BL4 ●			
	RB2-BL5 ●			
	RB2-BL6 ●			
Mushroom Spring Return	RB2-BC2 ●	87	20	
	RB2-BC3 ●			
	RB2-BC4 ●			
	RB2-BC5 ●			
Mushroom Stay Put	φ30mm RB2-BS44 ●	108	10	
	φ40mm RB2-BS54 ●	118	8	
	φ60mm RB2-BS64 ●	156	5	
Mushroom illuminated - 2 position Momentary - 2 position Maintained	RCB2-BW43 ●	195	8	
	RCB2-BW44 ●			
	RCB2-BW64 ●	230		
	RCB2-BW63 ●			
Booted Push Button	RB2-BP2 ●	88	20	
	RB2-BP3 ●			
	RB2-BP4 ●			
	RB2-BP5 ●			
	RB2-BP6 ●			
Double Headed without Light	RB2-BA87	112	10	
Double Headed Push Button with Light	RB2-BW9	118		
Illuminated Flush Push Button	RB2-BW31 ○	66	10	
	RB2-BW33 ●			
	RB2-BW34 ●			
	RB2-BW35 ●			
	RB2-BW36 ●			
	RB2-BW37 ○			
Illuminated Projecting Push Button	RB2-BW13 ●	72	10	
	RB2-BW14 ●			
	RB2-BW15 ●			
	RB2-BW16 ●			
	RB2-BW17 ○			
Illuminated Selector 2-Position Stay Put	RB2-BW38 ●	165	10	
	RB2-BK123 ●			
	RB2-BK124 ●			
Illuminated Selector 3-Position Stay Put	RB2-BK125 ●	182	10	
	RB2-BK133 ●			
	RB2-BK134 ●			
	RB2-BK135 ●			


Operating Heads LED, Neon Pilot Lamp / Push Button Without Contact Block and Carrier				
Description	Reference	MRP (₹)	Std. Pkg. (No.s)	Product Picture
LED Pilot Lamp Head	RB2-BVL01 ○	48	20	
	RB2-BVL03 ●			
	RB2-BVL04 ●			
	RB2-BVL05 ●			
	RB2-BVL06 ●			
	RB2-BVL07 ○			
	RB2-BVL08 ●			
LED Illuminating Flush Push Button	RB2-BWL31 ○	72	10	
	RB2-BWL33 ●			
	RB2-BWL34 ●			
	RB2-BWL35 ●			
	RB2-BWL36 ●			
	RB2-BWL37 ○			
LED Illuminating Projecting Push Button	RB2-BWL11 ○	86	10	
	RB2-BWL13 ●			
	RB2-BWL14 ●			
	RB2-BWL15 ●			
	RB2-BWL16 ●			
	RB2-BWL17 ○			
	RB2-BWL18 ●			





Operating Heads LED, Neon Pilot Lamp / Push Button Without Contact Block and Carrier					
Description	Reference	Operating Handle	MRP (₹)	Std. Pkg. (No.s)	Product Picture
Selector 2-Position, Stay Put	RB2-BD2	Standard	155	10	
Selector 2-Position, Stay Put	RB2-BJ2	Long	170		
Selector 2-Position, Spring Return	RB2-BDR2	Standard	156		
Selector 2-Position, Stay Put	RB2-BJR2	Long	170		
Selector 3-Position, Stay Put (Centre OFF)	RB2-BD3	Standard	156		
Selector 3-Position, Stay Put (Centre OFF)	RB2-BJ3	Long	170		
Selector 3-Position, Spring Return (Centre OFF)	RB2-BDR3	Standard	156		
Selector 3-Position, Stay Put	RB2-BJR3	Long	170		
Key Selector 2-Position, Stay Put	RB2-BG2	Key removable in L.H. position	230		
Key Selector 2-Position, Stay Put	RB2-BG4	Key removable in both positions	230		
Key Selector 2-Position, Stay Put	RB2-BG02	Key removable in R. H. position			
Key Selector 2-Position, Spring Return Stay Put	RB2-BG6	Key removable in L.H. position			
Key Selector 3-Position, Stay Put	RB2-BG3	Key removable in centre position	230		
Key Selector 3-Position, Stay Put	RB2-BG0	Key removable in all positions			
Key Selector 3-Position, Stay Put	RB2-BG5	Key removable in L. H. & R. H. position	238		
Key Selector 3-Position, Stay Put	RB2-BG9	Key removable in L. H. position			
Key Selector 3-Position, Stay Put	RB2-BG09	Key removable in R. H. position	238		
Key Selector 3-Position, Both Side Spring Return	RB2-BG7	Key removable in Centre position			
Mushroom Head with Key Stay Put	RB2-BS14 ●	Key removable in both positions	238	8	



## Accessories

Metallic Range (For Push Buttons & Pilot Lamps : 22.5mm)

Body Assemblies with Contact Blocks, Screw & Captive Clamp Connection					
Description	Reference	Contact Type	MRP (₹)	Std. Pkg. (No.s)	Product Picture
For Actuators, Push Buttons, Selectors & Key Switches	RB2-BZ101	NO	72	20	
	RB2-BZ102	NC			
	RB2-BZ103	1NO+1NO	126	10	
	RB2-BZ104	1NC+1NC			
	RB2-BZ105	1NO+1NC			

Description	Reference	MRP (₹)	Std. Pkg. (No.s)	Product Picture
Filament Bulb (BA9S) 130V, 48V, 24V, 12V & 6V (2.6W max.)	RL1-CF	22	20	
Neon Bulb (BA9S) 415V, 380V, 220V	RL1-CN			
Set of Lens (one inner and one outer) for Pilot Lamp Head	RB2-BV00*	10	10	
Lens for LED & Neon Type Pilot Lamp (w/o inner lens)	RB2-BVL00*	10		
Set of Lens (one inner and one outer) for Illuminating Actuator	RB2-BW00*	10		
Lens for Illuminating LED & Neon actuator (w/o inner lens)	RB2-BWL00*	10		
Silicon Cap suitable for, - Booted Push Button - Push Buttons Flush - Push Buttons Illuminated	RB2BP00	13		
	RC-S			
	RC-L	19		
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	11	10	
Body / Carrier with mounting screws (passivated) for making different assemblies	RB2-B*	22	20	
Yellow legend (PVC) φ60mm	RB2-PY9330	30	10	
Emergency Stop φ90mm	RB2-PY8330	34	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	8
Colour of Actuator	White	Black	Green	Red	Yellow	Blue	-	-
Colour of Lens	White	-	Green	Red	Amber	Blue	Clear	Yellow



- 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	MRP(₹)	Std. Pkg. (No's.)
Start	2303	Stop	2304	10	250
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		
		Hand-O-Auto	2387		



### 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	Making on legend	Reference	MRP (₹)	Product Picture
1 Flush Push Button	NO	3	I START	RC 1P 102	385	
				RC 1P 103		
1 Flush Push Button	NC	4	O STOP	RC 1P 112		
				RC 1P 114		
Latching Push Button	NC	4	STOP	RC1PBS542	408	
				RC1PYBS542		
Mushroom Head Key Switch	NC	4	STOP	RC1PBS142	560	
				RC1PYBS142		
2 Flush Push Button	NO+NC	3	I	RC 2P 213	552	
		4	O			
2 Flush Push Button	NO+NC	3	START	RC 2P 215	552	
		4	STOP			

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


Description	Scheme	Colour	Marking on legend	Reference	MRP (₹)	Product Picture	
2 Flush Push Button	NO + NO	1 2	↑ Up ↓ Down	RC2P222	614		
				RC2P222A			
			↔ Right Left	RC2P223			
				RC2P223A			
			1 2	Open Close			RC2P241
							RC2P222B
3 Flush Push Button	NO + NC + NO	3 4 3	Forward Reverse	RC3P311	755		
				RC3P321			
			Right Stop Left	RC3P331			
				RC3P341			
			1 4 2	↑ ↓ ← →			RC3P324
							RC3P334


### Control Stations for Customer Assembly Empty Enclosure, Plastic


Description		Number of Ways	Reference	MRP (₹)	Product Picture	
Top	Base					
Yellow		1	RC - 1PY	312		
		1	RC - 1P			
Bone	Jet	2	RC - 2P			338
Grey	Black	3	RC - 3P			386
		4	RC - 4P	442		

\* 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	MRP (₹)	Product Picture
1 Flush Push Button	NO	3	I START	RC 1M 102	575	
				RC 1M 103		
1 Flush Push Button	NC	4	O STOP	RC 1M 112		
				RC 1M 114		
Latching Push Button	NC	4	STOP	RC1MBS542	635	
Mushroom Head Key Switch	NC	4	STOP	RC1MBS142	740	
2 Flush Push Button	NO+NC	3 4	I O	RC 2M 213	725	
2 Flush Push Button	NO+NC	3 4	START STOP	RC 2M 215		





Complete Control Stations Directional/Movement Control Functions Metal, Spring Return							
Description	Scheme	Colour	Marking on legend	Reference	MRP (₹)	Product Picture	
2 Flush Push Button	NO + NO	1 2	↑ ↓ Up-Down	RC 2M 222	702		
				RC 2M 222A			
		1 2	↔ Right-Left	RC 2M 223			
				RC 2M 223A			
		1 2	Open-Close Forward-Reverse	RC 2M 241			
RC2M222B							
3 Flush Push Button	NO + NC + NO	3 4 3	Forward Stop Reverse	RC 3M 311	892		
				Up Stop Down			RC 3M 321
							Right Stop Left
				Open Stop Close			RC 3M 341
		1 2	Φ → ← Φ	RC 3M 324			
				RC 3M 334			

Control Stations for Customer Assembly Empty Enclosure, Metal					
Description		Number of Ways	Reference	MRP (₹)	Product Picture
Top	Base				
Smoke Grey	Dark Grey	1	RC - 1M	438	
		2	RC - 2M	462	
		3	RC - 3M	546	
		4	RC - 4M*	665	


\* 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	MRP (₹)	Std. Pkg. (No's)	Product Picture	
Flush Push Button Spring Return	RP2-BA1 ○	50	20		
	RP2-BA2 ●				
	RP2-BA3 ●				
	RP2-BA4 ●				
	RP2-BA5 ●				
	RP2-BA6 ●				
	RP2-BA334 ↑				
Projecting Push Button	RP2-BL1 ○	50			
	RP2-BL2 ●				
	RP2-BL3 ●				
	RP2-BL4 ●				
	RP2-BL5 ●				
	RP2-BL6 ●				
Mushroom Spring Return	RP2-BC2 ●	78			
	RP2-BC3 ●				
	RP2-BC4 ●				
	RP2-BC5 ●				
	RP2-BC6 ●				
Mushroom Stay Put	RP2-BS44 ●	95	10		
	RP2-BS54 ●	108	8		
	RP2-BS64 ●	140	5		




## Operating Heads for Control Stations Without Contact Block and Carrier


Description	Reference	Operating Handle	MRP (₹)	Std. Pkg. (No's)	Product Picture
Selector 2-Position, Stay Put	RP2-BD2	Standard	150	10	
Selector 3-Position, Stay Put (Centre OFF)	RP2-BD3	Standard			
Selector 3-Position, Spring Return (Centre OFF)	RP2-BDR3	Standard			
Key Selector 2-Position, Stay Put	RP2-BG2	Key removable in L.H. position	208		
Key Selector 2-Position, Stay Put	RP2-BG4	Key removable in both positions	220		
Key Selector 2-Position, Stay Put	RP2-BG02	Key removable in R. H. position			
Key Selector 3-Position, Stay Put	RP2-BG3	Key removable in centre position			
Key Selector 3-Position, Stay Put	RP2-BG0	Key removable in all positions	225		
Key Selector 3-Position, Stay Put	RP2-BG5	Key removable in L. H. & R. H. position			
Key Selector 3-Position, Stay Put	RP2-BG9	Key removable in L.H. position	215		
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	215	8	

## Operating Head for Control Stations

For Customer assembly

Metallic Operating Heads without contact Block for RC.P & RC.M enclosures - IP65					
Description	Reference	MRP (₹)	Std. Pkg. (Nos.)	Product Picture	
Flush Push Button Spring Return	RM2-BA1○	55	20		
	RM2-BA2●				
	RM2-BA3●				
	RM2-BA4●				
	RM2-BA5●				
	RM2-BA6●				
	RM2-BA334 †				
Projecting Push Button	RM2-BL1○	58	20		
	RM2-BL2●				
	RM2-BL3●				
	RM2-BL4●				
	RM2-BL5●				
	RM2-BL6●				
Mushroom Spring Return $\phi$ 40mm	RM2-BC2●	95	8		
	RM2-BC3●				
	RM2-BC4●				
	RM2-BC5●				
	RM2-BC6●				
Mushroom Stay Put $\phi$ 30mm $\phi$ 40mm $\phi$ 60mm	RM2-BS44●	110	10		
	RM2-BS54●	120	8		
	RM2-BS64●	140	5		
Mushroom Push-Pull Type $\phi$ 40mm	RM2-BT43●	120	8		

Operating Heads for Control Stations Without Contact Block and Carrier					
Description	Reference	Operating Handle	MRP (₹)	Std. Pkg. (Nos.)	Product Picture
Selector 2-Position, Stay Put	RM2-BD2	Standard	156	156	
Selector 2-Position, Spring Return	RM2-BDR2	Standard			
Selector 3-Position, Stay Put (Centre OFF)	RM2-BD3	Standard			
Selector 3-Position, Spring Return (Centre OFF)	RM2-BDR3	Standard			
Key Selector 2-Position, Stay Put	RM2-BG2	Key removable in L.H. position	215	225	
Key Selector 2-Position, Stay Put	RM2-BG4	Key removable in both positions	225		
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	238		
Key Selector 3-Position, Stay Put	RM2-BG0	Key removable in all positions			
Key Selector 3-Position, Stay Put	RM2-BG5	Key removable in L.H. & R.H. position			
Key Selector 3-Position, Stay Put	RM2-BG9	Key removable in L.H. position	258		
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			
Mushroom Head with Key Stay Put	RM2-BS14I	Key removable in both positions	228	8	

Contact Blocks - Base Mounted For Control Stations Customer Assembly					
Description	Reference	Contact Type	MRP (₹)	Std. Pkg. (No's)	Product Picture
Contact Block	RB2BE-101BM/P*	NO	52	50	
Slow Break	RB2BE-102BM/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					
Description	Reference	Standard Text	Reference	MRP (₹)	Std. Pkg. (Nos.)
Start	RP2-BY2303	Stop	RP2-BY2304	7	100
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					
Description	Reference	Standard Text	Reference	MRP (₹)	Std. Pkg. (Nos.)
Start	RM2-BY2303	Stop	RM2-BY2304	7	100
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.

# Motor Starters

Industrial



## Industrial Motor Starters

- Conforms to IS/IEC60947-4-1
- 3Ø DOL starter range: 0.50HP~60HP
- 3Ø Reversing DOL starter range: 0.5HP~20HP
- 3Ø Star delta starter range: 7.5HP~350HP

Custom built Starter solutions with incomer MCCB & Electronic Motor Protection Relay

- 3Ø Intelligent star delta starter range: 40HP~ 350HP
- 3Ø Intelligent auto transformer starter range: 40HP~ 350HP

## Motor Starters for Industrial Segment Conforming IS/IEC60947-4-1

### Industrial Motor starter - Type DX-P



Heavy Duty DOL Starter Type DX-P with robust 4 Pole Contactor & LR1D OLR in S.S. enclosure

Std. Power Rating for 3Ph. Motor at 415V		Reference	Relay LR1D Range Amps	MRP (₹)	Std. Pkg. (Nos.)
HP	kW				
1.5	1.1	BE1-DXP204■307	1.6-2.5	1900	6
2.0	1.5	BE1-DXP204■308	2.5-4.0		
3	2.2	BE1-DXP204■310	4.0-6.0		
5	3.7	BE1-DXP204■312	5.5-8.0		
5.5	4.0	BE1-DXP204■314	7-10		
7.5	5.5	BE1-DXP204■316X	9-14		
12	9	BE1-DXP204■321	13-18	2215	6
15	11	BE1-DXP254■321XH	14-22	2280	
		BE1-DXP254■322	18-25		
25	18	BE1-DXP404■353	23-32	4030	



Heavy Duty Automatic Star Delta Starter Type DX-P with robust 4 Pole Contactor & LR1D OLR, Electronic Star Delta Timer in S.S. enclosure

Std. Power Rating for 3Ph. Motor at 415V		Reference	Relay LR1D Range Amps	MRP (₹)	Std. Pkg. (Nos.)
HP	kW				
7.5	5.5	BE3-DXP204■312	5.5-8.0	7460	2
12	9	BE3-DXP204■314	7.0-10		
15	11	BE3-DXP204■316X	9-14		
20	15	BE3-DXP204■321	13-18	7790	
		BE3-DXP254■321XH	14-22	9030	
25	18	BE3-DXP254■322	18-25		
30	22	BE3-DXP254■353	23-32	10930	

AC Coil Voltage Codes (Standard) for Heavy Duty Industrial Starter Type DX-P

Industrial Starter	Voltage		
BE1-DXP	220	190-400#	250-450#
BE3-DXP	-	190-400#	250-450#
Coil Code	M	Q	N

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

### Industrial Motor Starter with D range Contactor & LR1D Overload Relay



DOL Starter with D range Contactor & LR1D OLR in Plastic Enclosure

Std. Power Rating for 3Ph. Motor at 415V		Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (Nos.)
HP	kW				
0.5	0.37	LE1-D173■305	0.63-1.00	1810	1
0.75	0.55	LE1-D173■306	1.0-1.60		
1.5	1.1	LE1-D173■307	1.60-2.50		
2	1.5	LE1-D173■308	2.50 - 4.00		
3	2.2	LE1-D173■310	4.00 - 6.00		
5	3.7	LE1-D173■312	5.50 - 8.00		
7.5	5.5	LE1-D173■316X	9.0 - 14.0	4080	1
12	9	LE1-D253■321	13.0 - 18.0		
15	11	LE1-D253■322	18.0 - 25.0		

## Motor Starters for Industrial Segment Conforming IS/IEC60947-4-1



DOL Starter with D range Contactor & LR1D OLR in S.S. Enclosure					
Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (Nos.)
HP	kW				
0.5	0.37	BE1-D1735■305	0.63-1.00	1810	1
0.75	0.55	BE1-D1735■306	1.0-1.60		
1.5	1.1	BE1-D1735■307	1.60-2.50		
2	1.50	BE1-D1735■308	2.50-4.0		
3	2.2	BE1-D1735■310	4.00-6.00		
5	3.7	BE1-D1735■312	5.50-8.00		
7.5	5.5	BE1-D1735■316X	9.0-14.0	4085	
12	9	BE1-D2535■321	13.0-18.0		
15	11	BE1-D2535■322	18.0-25.0		
20	15	BE1-D3235■353	23.0-32.0	6900	
30	22	BE1-D4035■355	28.0-40.0	10590	
35	25	BE1-D5035■357	38.0-50.0	10670	
40	30	BE1-D6335■359	48.0-57.0	11700	



Reversing Starter with D range Contactor & LR1D OLR in S.S. Enclosure					
Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (Nos.)
HP	kW				
0.5	0.37	BE2-D1735■305	0.63-1.00	6900	1
0.75	0.55	BE2-D1735■306	1.0-1.60		
1.5	1.1	BE2-D1735■307	1.60-2.50		
2.0	1.5	BE2-D1735■308	2.50-4.00		
3.0	2.2	BE2-D1735■310	4.00-6.00		
5.0	3.7	BE2-D1735■312	5.50-8.00		
5.5	4.0	BE2-D1735■314	7.00-10.0	8360	
7.5	5.5	BE2-D1735■316X	9.0-14.0		
12.0	9.0	BE2-D2535■321	13.0-18.0		
15.0	11.0	BE2-D2535■322	18.0-25.0	9190	
20.0	15.0	BE2-D3235■353	23.0-32.0	14150	



Automatic Star Delta Starter with D range Contactor & robusta (F Range), LR1D OLR & Electronic Star Delta Timer					
Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (Nos.)
kW	HP				
3	4	BE3-D1735■308	2.5-4.0	6990	1
4	5.5	BE3-D1735■310	4.0-6.0		
5.5	7.5	BE3-D1735■312	5.5 - 8.0		
9	12	BE3-D1735■314	7.0 ~ 10.0		
11	15	BE3-D1735■316X	9.0 ~ 14.0		
15	20	BE3-D2235■321	13.0 - 18.0	7030	
18	25	BE3-D2535■322	18.0 - 25.0	9230	
22	30	BE3-D3235■322	18.0 - 25.0	16600	
25	35	BE3-D3235■353	23.0 - 32.0		
30	40	BE3-D4035■355	30.0 - 40.0	21375	
37	50	BE3-D5035■355	30.0 - 40.0	26100	
51	70	BE3-D6335■359	48.0 - 57.0	44350	
59	80	BE3-D8035N 361	57.0 - 66.0	47450	
75	100	BE3-F115 363	66.0 - 80.0	61700	
90	125	BE3-F115N105	65.0 ~ 105.0	62945	
110	150	BE3-F150N125	80.0 ~ 125.0	69650	
132	180	☒ BE3-F185N160	100.0-160.0	118750	
160	220	☒ BE3-F185N200	125.0-200.0		
200	270	☒ BE3-F265N250	160.0-250.0		
220	300	☒ BE3-F330N315	200.0-315.0		
260	350	☒ BE3-F330S315	200.0-315.0		141000

☒ Non Stockable item

Semi-Automatic Star Delta Starter with D range Contactor, LR1D OLR					
Std. Power Rating for 3 Ph. Motor at 415V		Reference	Relay Range Amps	MRP (₹)	Std. Pkg. (Nos.)
kW	HP				
3	4	BE3-D1735■308SA	2.5 ~ 4.0	5890	1
4	5.5	BE3-D1735■310SA	4.0 ~ 6.0		
5.5	7.5	BE3-D1735■312SA	5.5 ~ 8.0		
9	12	BE3-D1735■314SA	7.0 ~ 10.0		
11	15	BE3-D1735■316XSA	9.0 ~ 14.0		
15	20	BE3-D2535■321SA	13.0 ~ 18.0	7990	
18	25	BE3-D2535■322SA	18.0 ~ 25.0		

Coil Voltage Codes (Standard) for DOL Starters with D range Contactor		
Motor Starter	Voltage	
BE1-D/LE1-D	220V	415V
Coil Code	UW	N

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

Coil Voltage Codes (Standard) for DOL & Star Delta Starters with D range Contactor		
Motor Starter	Voltage	
BE1-D / BE2-D / BE3-D / BE3-F	380#	415
Coil Code	NW	N

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

### 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.

### Custom Built Motor Starters Solutions

- **Smart Start Delta Starter rating 40 HP to 150 HP 3 Phase 415V AC**
  - Incomer 3 Pole MCCB, 10~25kA
  - Selection of liberal D range, air break Contactor
  - Electronic motor protection relay with built-in feature having pause of 0.30 sec for motor protection against single phasing
  - Electronic Star Delta Timer
  - Housed in free standing IP 54 sheet steel enclosure with bottom cable entry
  - Optional facility: Water Level Controller also available
- **Intelligent Star Delta Starter rating 40 HP to 350 HP 3 Phase 415V AC**
  - Incomer 3 Pole MCCB, 10~25kA
  - Selection of liberal D range, air break Contactor
  - Digital motor protection Relay type mPro100 with 7 segment display to assure complete motor protection against overload, phase loss, under current, unbalance, motor stall, earth fault, locked rotar
  - Electronic Star Delta Timer
  - Housed in free standing IP 54 sheet steel enclosure with bottom cable entry

### 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.

- **Intelligent Auto Transformer Starter rating 40 HP to 350 HP 3 Phase 415V AC (closed transition)**
  - Incomer 3 Pole MCCB, 10~25kA
  - Selection of liberal D range, air break Contactor
  - Digital motor protection Relay type mPro100 with 7 segment display to assure complete motor protection against overload, phase loss, under current, unbalance, motor stall, earth fault, lock rotar
  - Auto Transformer, air cooled, 6 starts/hours with built-in thermister having tapping at 50%, 60% & 80% of the rated voltage
  - Electronic Timer for changeover function
  - Housed in free standing IP 54 sheet steel enclosure with bottom cable entry

# Motor Starters

Agri



## Anmol Motor Starters

- Conforms to IS/IEC60947-4-1
- 3Ø DOL starter range: 1HP~15HP
- 3Ø Auto start DOL starter range: upto 25HP
- 1Ø DOL starter range : upto 5HP
- 3Ø Automatic star delta starter range: upto 30HP
- 3Ø Submersible pump starters range: upto 75HP
- 1Ø Submersible pump starter range: 0.5HP~5HP
- Smart Mobile Pump Controller: 1 & 3 Phase







## Anmol Motor Starters for Agri Segment

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

Reference	Relay Range (Amp)	Std. Power Rating for Single Phase Motor at 220V AC		MRP (₹)	Std. Pkg. (Nos.)
		kW	HP		
BE1-ASA2025MU210	4.0-6.0	0.37	0.5	1170	6
BE1-ASA2025MU212	5.5-8.0	0.55	0.75		
BE1-ASA2025MU214	7.0-10.0	0.75	1		
BE1-ASA2025MU216X	9.0-14.0	1.1	1.5		
BE1-ASA2525MU221	13.0-18.0	1.5	2	1270	
BE1-ASA2525MU222	18.0-25.0	2.2	3		

**DOL in S.S. Enclosure incorporating** - Heavy Duty 4 Pole Contactor type TC1-DX with wide band operating coil, Overload relay type LR3D with manual re-set and yellow flag for trip indication

Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE1-DXM204■307	1.6-2.5	1910	6
BE1-DXM204■308	2.5-4.0		
BE1-DXM204■310	4.0-6.0		
BE1-DXM204■312	5.5-8.0		
BE1-DXM204■314	7.0-10		
BE1-DXM204■316X	9.0-14		
BE1-DXM204■321	13-18	2000	
BE1-DXM254■321X	14-22	2150	
BE1-DXM254■322	18-25	2200	
BE1-DXM404■353	23-32	4150	



**DOL in S.S. Enclosure incorporating** - Heavy Duty 4 Pole Contactor type TC1-DX with wide band operating coil, Overload relay type LR1D with manual re-set and yellow flag for trip indication

Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE1-DXH204■307	1.60-2.5	1935	6
BE1-DXH204■308	2.50-4.0		
BE1-DXH204■310	4.00-6.0		
BE1-DXH204■312	5.50-8.0		
BE1-DXH204■314	7.00-10.0		
BE1-DXH204■316	10.0-13.0		
BE1-DXH204■316X	9.00-14.0		
BE1-DXH204■321	13.0-18.0	2020	
BE1-DXH254■321X	14.0-22.0	2175	
BE1-DXH254■322	18.0-25.0	2225	
BE1-DXH404■353	23.0-32.0	4175	



**Automatic Star Delta Starter in S.S Enclosure incorporating** - Heavy Duty 4 Pole Contactor type TC1-DX with wide band operating coil, Overload relay type LR1D for motor protection & Electronic Star Delta Timer

Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE3-DXH204■307	1.60-2.5	7150	2
BE3-DXH204■308	2.5-4.0		
BE3-DXH204■310	4.0-6.0		
BE3-DXH204■312	5.5-8.0		
BE3-DXH204■314	7.0-10.0		
BE3-DXH204■316X	9.0-14.0		
BE3-DXH204■321	13.0-18.0	7300	
BE3-DXH254■321X	14.0-22.0	9790	
BE3-DXH254■322	18.0-25.0		
BE3-DXH254■353	23.0-32.0	11860	
BE3-DXH404■353	23.0-32.0	4175	



**Auto Start DOL Starter in SS Enclosure incorporating** - Heavy Duty 4 Pole Contactor type TC1-DX with wide band operating coil, Overload relay type LR3D with manual re-set and yellow flag for trip indication. Electronic Auto Switch for protection against Single Phase, phase reversal & phase unbalance and 3 position selector switch-SPP Auto/SPP Manual/Manual having provision of 6 way terminal block for bottom cable entry

Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE1-DXSD204■307	1.6~2.5	3160	1
BE1-DXSD204■308	2.5~4.0		
BE1-DXSD204■310	4.0~6.0		
BE1-DXSD204■312	5.5~8.0		
BE1-DXSD204■314	7.0~10		
BE1-DXSD204■316X	9.0~14		
BE1-DXSD204■321	13~18	3275	
BE1-DXSD254■321X	14~22	3470	
BE1-DXSD254■322	18~25	3870	
BE1-DXSD404■353	23~32	5250	



**Automatic Star Delta Starter in S.S Enclosure incorporating** - Heavy Duty 4 Pole Contactor type TC1-DX with wide band operating coil, Overload relay type LR3D for motor protection & Electronic Star Delta Timer

Reference	Relay Range (Amp)	Std. Power Rating for 3P at 415V		MRP (₹)	Std. Pkg. (Nos.)
		KW	HP		
BE3-DXM204■308	2.5~4.0	3.00	4.00	7100	2
BE3-DXM204■310	4.0~6.0	4.00	5.5		
BE3-DXM204■312	5.5~8.0	5.5	7.5		
BE3-DXM204■314	7.0~10	9	12		
BE3-DXM204■316X	9.0~14	11	15		
BE3-DXM204■321	13.0~18	15	20	7250	
BE3-DXM254■321X	14.0~22	18	25	9750	
BE3-DXM254■322	18.0~25				
BE3-DXM254■353	23.0~32				



**Semi Automatic Star Delta Starter in S.S Enclosure incorporating** - Heavy Duty 4 Pole Contactor type TC1-DX with wide band operating coil, Overload relay type LR3D for motor protection

Reference	Relay Range (Amp)	Std. Power Rating for 3 Phase Motor at 415V		MRP (₹)	Std. Pkg. (Nos.)
		KW	HP		
BE3-DXM204■314SA	7.0~10	9	12	6230	2
BE3-DXM204■316XSA	9.0~14	11	15		
BE3-DXM204■321SA	13.0~18	15	20	6500	
BE3-DXM254■321XSA	14.0~22	18	25	8500	
BE3-DXM254■322SA	18.0~25				
BE3-DXM254■353SA	23.0~32				



## Submersible Pump Starter

### Single Phase Submersible Pump Starter-Economical Standard Model in S.S. Enclosure incorporating

- Single Phase Submersible Pump Starter-Economical Model in S S Enclosure Incorporating 2 Pole Definite Purpose Contactor, Single Pole MCB, Ammeter, ON/OFF Push Button, Motor ON Indicator with provision of terminal for dry run relay

Reference	Std. Power Rating for Single Phase Motor at 220V AC		Capacitor Rating (MFD)	MCB Rating 'C' Curve	MRP (₹)	Std. Pkg. (Nos.)
	KW	HP				
BE1-SSEDP202U5C16	0.37	0.5	25	16	2900	2
BE1-SSEDP202U5C20	0.55	0.75	36	20		
BE1-SSEDP202U5C25	0.75	1.0	36	25	3050	
BE1-SSEDP202U5C32	1.1	1.5	50	32	3190	
BE1-SSEDP202U5C40	1.5	2.0	36+36	40	3545	



### Single Phase Submersible Pump Starter-Economical Deluxe Model in S.S. Enclosure incorporating

Single Phase Submersible Pump Starter-Economical Model in S S Enclosure Incorporating 2 Pole Definite Purpose Contactor, 2 Pole Overload relay type LR7DM, Ammeter, Voltmeter ON/OFF Push Button, Motor ON Indicator with provision of terminal for dry run relay

Reference	Relay Range (Amps)	Std. Power Rating for Single Phase Motor at 220V AC		Capacitor Rating (MFD)		MRP (₹)	Std. Pkg. (Nos.)
		kW	HP	Run	Start		
BE1-SDEDP202U5210	4.0-6.0	0.37	0.5	25	80/100	3150	2
BE1-SDEDP202U5212	5.5-8.0	0.55	0.75	36	80/100		
BE1-SDEDP202U5214	7.0-10	0.75	1.0	36	100/120	3300	
BE1-SDEDP202U5214D2	7.0-10	0.75	1.0	50	100/120		
BE1-SDEDP202U5216XD2	9.0-14	1.1	1.5	36+36	120/150	3450	
BE1-SDEDP202U5216X	9.0-14	1.1	1.5	50	120/150		
BE1-SDEDP202U5221X	14-22	1.5	2.0	36+36	150/200	3800	

Single Phase Submersible Pump Starter suitable for wide band operating range 160V-260V 50Hz AC

### Single Phase Submersible Pump Starter-Deluxe Model in S.S. Enclosure -Heavy duty 2 Pole Contactor, 2P Overload Relay Type LR7D, Suppressed scale Voltmeter & Ammeter with provision of terminals for dry run relay

Reference	Relay Range (Amp)	Std. Power Rating for Single Phase Motor at 220V AC		Capacitor Rating (MFD)		MRP (₹)	Std. Pkg. (Nos.)
		kW	HP	Run	Start		
BE1-SDA2025MU210	4.0-6.0	0.37	0.5	25	80/100	3420	2
BE1-SDA2025MU212	5.5-8.0	0.55	0.75	36	80/100		
BE1-SDA2025MU214	7.0-10.0	0.75	1	36	100/120	3475	
BE1-SDA2025MU214H	7.0-10.0			50	100/120		
BE1-SDA2025MU216X	9.0-14.0			36	100/120		
BE1-SDA2025MU216XM	9.0-14.0			50	100/120		
BE1-SDA2025MU216XTS	9.0-14.0			72	100/120		
BE1-SDA2025MU216XH	9.0-14.0	1.1	1.5	50	120/150	3720	
BE1-SDA2025MU216XA	9.0-14.0			36+36	120/150		
BE1-SDA2025MU221H	13.0-18.0			120/150			
BE1-SDA2525MU222	18.0-25.0	1.5	2	50+50	120/150	4050	
BE1-SDA2525MU221X	14.0-22.0			36+36	150/200		
BE1-SDA2525MU221XTS	14.0-22.0			45+45	200/250		
BE1-SDA2525MU222M	18.0-25.0			50+50	150/200		
BE1-SDA2525MU222H	18.0-25.0	2.2	3	50+50	200/250	4600	
BE1-SDA2525MU222TS	18.0-25.0			60+60	200/250		
BE1-SDA4025MU253	23.0-32.0	3.7	5	50+50+50	200/250	6900	



### Single Phase Submersible Pump Starter with Dual meter-Economical Standard Model in S.S. Enclosure incorporating

Single Phase Submersible pump control unit with 2 Pole Definite purpose contactor, Dual analog VA meter, Start & Run Capacitor & MCB for short circuit protection.

Reference	Std. Power Rating for Single Phase Motor at 220V AC		Capacitor rating (MFD)		MRP (₹)	Std. Pkg. (Nos.)
	kW	HP	Run	Start		
BE1-SSCEDP202U5C16	0.75	1	50	120/150	2900	2
BE1-SSCEDP202U5C20	1.1	1.5	72	150/200	3180	
BE1-SSCEDP202U5C25	1.5	2	100	200/250	3575	
BE1-SSCEDP202U5C32	2.2	3	100	200/250	3950	





**Single Phase Submersible Pump Starter with fixed current relay-Economical Standard Model in S.S. Enclosure incorporating** -Single Phase Economical Submersible pump control unit with DP Contactor, fixed current relay; Dual analog VA meter & run capacitor.



Reference	Std. Power Rating for Single Phase Motor at 220V AC		Capacitor rating (MFD)		Relay (Amp)	MRP (₹)	Std. Pkg. (Nos.)
	kW	HP	Run	Start			
BE1-SSCEDP202U5T6	0.37	0.5	25		6	2640	2
BE1-SSCEDP202U5T6M	0.37	0.5	36		6		
BE1-SSCEDP202U5T8	0.75	1	36		8	2750	
BE1-SSCEDP202U5T8M	0.75	1	50		8		
BE1-SSCEDP202U5T10	0.75	1	36		10	2840	
BE1-SSCEDP202U5T10M	0.75	1	50		10		
BE1-SSCEDP202U5T10H	1.1	1.5	50		10	2840	
BE1-SSCEDP202U5T10HM	1.1	1.5	36+36		10		
BE1-SSCEDP202U5T12	1.1	1.5	50		12	2895	
BE1-SSCEDP202U5T12M	1.1	1.5	36+36		12		
BE1-SSCEDP202U5T12H	1.5	2	50		12	2895	
BE1-SSCEDP202U5T12HM	1.5	2	36+36		12		
BE1-SSCEDP202U5T15	1.5	2	50		15	2895	
BE1-SSCEDP202U5T15M	1.5	2	36+36		15		



**Single Phase Submersible Pump Starter with fixed current relay-Economical Standard Model in S.S. Enclosure incorporating** - Single Phase Submersible pump control unit with DP Contactor, fixed current relay; Dual analog VA meter & Start and Run Capacitor.



Reference	Std. Power Rating for Single Phase Motor at 220V AC		Capacitor rating (MFD)		Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
	kW	HP	Run	Start			
BE1-SDEDP202U5T10	0.75	1	25	80/100	10A	3000	2
BE1-SDEDP202U5T15	1.1	1.5	36+36	120/150	15A	3200	
BE1-SDEDP202U5T20	1.5	2	36+36	150/200	20A	3640	



**Single Phase Submersible Pump Starter with Digital VA meter-Standard Model in S.S. Enclosure incorporating** - Single Phase Submersible pump control unit with DP Contactor, fixed current relay; Digital VA meter & Start and Run Capacitor.



Reference	Std. Power Rating for Single Phase Motor at 220V AC		Capacitor rating (MFD)		Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
	kW	HP	Run	Start			
BE1-SSDCEDP202U5T6	0.37	0.5	36	40/60	6	3000	2
BE1-SSDCEDP202U5T8	0.55	0.75	50	60/80	8		
BE1-SSDCEDP202U5T8H	0.75	1	60	80/100	8	3150	
BE1-SSDCEDP202U5T8HM	0.75	1	72	100/120	8		
BE1-SSDCEDP202U5T10	0.75	1	60	80/100	10	3150	
BE1-SSDCEDP202U5T10M	0.75	1	72	100/120	10		
BE1-SSDCEDP202U5T10H	1.1	1.5	72	100/120	10	3350	
BE1-SSDCEDP202U5T10HM	1.1	1.5	100	100/120	10		
BE1-SSDCEDP202U5T12	1.1	1.5	72	100/120	12	3350	
BE1-SSDCEDP202U5T12M	1.1	1.5	100	100/120	12		
BE1-SSDCEDP202U5T12H	1.5	2	72	100/120	12	3790	
BE1-SSDCEDP202U5T12HM	1.5	2	125	120/150	12		
BE1-SSDCEDP202U5T15	1.5	2	72	100/120	15	3790	
BE1-SSDCEDP202U5T15H	1.5	2	125	120/150	15		

## Submersible Pump Starter with 3 Position Selector Switch

**Submersible Pump Starter DOL - Deluxe Model incorporating** - Heavy Duty 4 Pole Contactor type TC1-DX, Overload relay type LR3D, Auto Start Switch, 3 Position selector switch for SPP Auto/SPP Manual / Manual, Voltmeter with Selector Switch, Suppressed scale Ammeter, Motor ON & Trip LED Indicator, TP 'C' curve MCB for short circuit protection



Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE1-SPSDDX204■308	2.5-4.0	7900	2
BE1-SPSDDX204■310	4.0-6.0		
BE1-SPSDDX204■312	5.5-8.0		
BE1-SPSDDX204■314	7.0-10		
BE1-SPSDDX204■316X	9.0-14		
BE1-SPSDDX204■321	13-18	8200	
BE1-SPSDDX254■321X	14-22	8650	
BE1-SPSDDX254■322	18-25	8850	
BE1-SPSDDX404■353	23-32	9250	
BE1-SPSDDX404■355	28-40		



**Submersible Pump Starter DOL - Standard Model incorporating** - Heavy Duty 4 Pole Contactor type TC1-DX, Overload relay type LR3D, Auto Start Switch, 3 Position selector switch for SPP Auto/SPP Manual / Manual, Voltmeter, Suppressed scale Ammeter, Motor ON & Trip LED indicator

Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE1-SPSSDX204■308	2.5-4.0	5500	2
BE1-SPSSDX204■310	4.0-6.0		
BE1-SPSSDX204■312	5.5-8.0		
BE1-SPSSDX204■314	7.0-10		
BE1-SPSSDX204■316X	9.0-14	5500	
BE1-SPSSDX204■321	13-18	5800	
BE1-SPSSDX254■321X	14-22	6050	
BE1-SPSSDX254■322	18-25	6050	
BE1-SPSSDX404■353	23-32	7100	
BE1-SPSSDX404■355	28-40	7200	



**Submersible pump starter DOL with Panel ON/OFF switch standard model incorporating** - Submersible pump starter DOL - Standard Model incorporating: Heavy Duty 4 Pole contactor type TC1-DX, overload relay type LR3D, Auto Start switch, 3 position selector switch for SPP Auto/SPP Manual/Manual, On / Off Rocker switch, RYB LED indicator, Motor ON & Trip LED Indicator



Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE1-SPSSDX204■308-RS	2.50-4.00	5515	2
BE1-SPSSDX204■310-RS	4.00-6.00		
BE1-SPSSDX204■312-RS	5.5-8.00		
BE1-SPSSDX204■314-RS	7.00-10.0		
BE1-SPSSDX204■316X-RS	9.00-14.0	5515	
BE1-SPSSDX204■321-RS	13.0-18.0	5815	
BE1-SPSSDX254■321X-RS	14.0-22.0	6065	
BE1-SPSSDX254■322-RS	18.0-25.0	6065	
BE1-SPSSDX404■353-RS	23.0-32.0	7115	
BE1-SPSSDX404■355-RS	28.0-40.0	7215	



**Submersible Pump Starter DOL with hour meter standard model** : Incorporating Hour meter- Standard Model incorporating: Heavy Duty 4 Pole contactor type TC1-DX, overload relay type LR3D, Auto Start switch, 3 position selector switch for SPP Auto/SPP Manual/Manual, Dual Analog VA Meter, Hour meter (To monitor SPCU power ON hours), rocker switch (ON/OFF Switch) Motor ON & Trip LED Indicator.



Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE1-SPSSDX204■308-RH	2.50-4.00	6715	2
BE1-SPSSDX204■310-RH	4.00-6.00		
BE1-SPSSDX204■312-RH	5.5-8.00		
BE1-SPSSDX204■314-RH	7.00-10.0		
BE1-SPSSDX204■316X-RH	9.00-14.0	7015	
BE1-SPSSDX204■321-RH	13.0-18.0		
BE1-SPSSDX254■321X-RH	14.0-22.0	7265	
BE1-SPSSDX254■322-RH	18.0-25.0		
BE1-SPSSDX404■353-RH	23.0-32.0	8315	
BE1-SPSSDX404■355-RH	28.0-40.0	8415	



**Submersible Pump Starter DOL with hour meter- Deluxe Model:** Incorporating Heavy Duty 4 Pole contactor type TC1-DX, overload relay type LR3D, Auto Start switch, 3 position selector switch for SPP Auto/SPP Manual/Manual, Dual Analog VA Meter, Hour meter ( To monitor SPCU power ON hours), Motor ON & Trip LED Indicator, TP 'C' curve MCB for short circuit protection



Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE1-SPSDDX204■308-HM	2.5-4	9100	2
BE1-SPSDDX204■310-HM	4-6		
BE1-SPSDDX204■312-HM	5.5-8		
BE1-SPSDDX204■314-HM	7-10		
BE1-SPSDDX204■316X-HM	9-14	9400	
BE1-SPSDDX204■321-HM	13-18		
BE1-SPSDDX254■321X-HM	14-22	9850	
BE1-SPSDDX254■322-HM	18-25		
BE1-SPSDDX404■353-HM	23-32	10450	
BE1-SPSDDX404■355-HM	28-40		



**Submersible Pump Starter Automatic Star Delta - Deluxe Model incorporating** - Heavy Duty 4 Pole Contactor type TC1-DX, Overload relay type LR3D/LR1D, Auto Start Switch, 3 Position selector switch for SPP Auto/SPP Manual / Manual, Voltmeter with Selector Switch, Suppressed scale Ammeter, RYB LED Indicator Motor ON & Trip LED Indicator, TP 'C' curve MCB for short circuit protection

Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE3-SPSDDX204■308	2.5-4.0	12750	1
BE3-SPSDDX204■310	4.0-6.0		
BE3-SPSDDX204■312	5.5-8.0		
BE3-SPSDDX204■314	7.0-10		
BE3-SPSDDX204■316X	9.0-14		
BE3-SPSDDX204■321	13-18	12950	
BE3-SPSDDX254■321X	14-22	13750	
BE3-SPSDDX254■322	18-25		
BE3-SPSDDX254■353	23-32	15200	
BE3-SPSDDX404■355	28-40	15700	
BE3-SPSDDX404■357	38-50	22000	
<b>New</b> BE3-SPSDD6335NW357	38-50	25800	
BE3-SPSDD6335NW359*	48-57	36000	
BE3-SPSDD8035NW361*	57-66	37500	
<b>New</b> BE3-SPSDD8035SW105	65-105	49500	



**Submersible Pump Starter Automatic Star Delta - Standard Model incorporating** - Heavy Duty 4 Pole Contactor type TC1-DX, Overload relay type LR3D/LR1D, Auto Start Switch, 3 Position selector switch for SPP Auto/SPP Manual / Manual, Voltmeter with Selector Switch, Suppressed scale Ammeter, Motor ON & Trip LED indicator

Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE3-SPSSDX204■308	2.5-4.0	10600	1
BE3-SPSSDX204■310	4.0-6.0		
BE3-SPSSDX204■312	5.5-8.0		
BE3-SPSSDX204■314	7.0-10		
BE3-SPSSDX204■316X	9.0-14		
BE3-SPSSDX204■321	13-18	11500	
BE3-SPSSDX254■321X	14-22	11750	
BE3-SPSSDX254■322	18-25		
BE3-SPSSDX254■353	23-32	12700	
BE3-SPSSDX404■355	28-40	14900	
BE3-SPSSDX404■357	38-50	20700	
<b>New</b> BE3-SPSSD6335NW357*	38-50	23650	
BE3-SPSSD6335NW359*	48-57	33800	
BE3-SPSSD8035NW361*	57-66	36800	



**Submersible pump starter Automatic Start Delta with hour meter - Deluxe Model incorporating** - Heavy Duty 4 Pole contactor type TC1-DX, overload relay type LR3D/LR1D, Auto Start switch, 3 position selector switch for SPP Auto/SPP Manual/Manual, Dual Analog VA Meter, Hour meter( To monitor SPCU power ON hours),RYB LED indicator, Motor ON & Trip LED Indicator, TP 'C' curve MCB for short circuit protection

Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE3-SPSDDX204■308-HM	2.5-4	13850	1
BE3-SPSDDX204■310-HM	4-6		
BE3-SPSDDX204■312-HM	5.5-8		
BE3-SPSDDX204■314-HM	7-10		
BE3-SPSDDX204■316X-HM	9-14		
BE3-SPSDDX204■321-HM	13-18	14050	
BE3-SPSDDX254■321X-HM	14-22	14850	
BE3-SPSDDX254■322-HM	18-25		
BE3-SPSDDX254■353-HM	23-32	16300	
BE3-SPSDDX404■355-HM	28-40	16800	
BE3-SPSDDX404■357-HM	38-50	23100	
BE3-SPSDD6335■357-HM	38-50	27900	
BE3-SPSDD6335NW359-HM	48-57	37100	
BE3-SPSDD8035NW361-HM	57-66	38600	
BE3-SPSDD8035SW363-HM	66-80	39100	
BE3-SPSDD8035SW105-HM	65-105	50600	

**New** Hour Meter & Dual Meter



**Submersible pump starter automatic star delta with hour meter standard model incorporating** - Heavy Duty 4 Pole contactor type TC1-DX, overload relay type LR3D/LR1D, Auto Start switch, 3 position selector switch for SPP Auto/SPP Manual/Manual, Dual Analog VA Meter, Rocker Switch (ON/OFF) Hour meter (To monitor SPCU power ON hours), RYB LED indicator, Motor ON & Trip LED Indicator



Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE3-SPSSDX204■308-RH	2.50-4.00	11715	1
BE3-SPSSDX204■310-RH	4.00-6.00		
BE3-SPSSDX204■312-RH	5.50-8.00		
BE3-SPSSDX204■314-RH	7.00-10.0		
BE3-SPSSDX204■316X-RH	9.00-14.0		
BE3-SPSSDX204■321-RH	13.0-18.0	12615	
BE3-SPSSDX254■321X-RH	14.0-22.0	12865	
BE3-SPSSDX254■322-RH	18.0-25.0		
BE3-SPSSDX254■353-RH	23.0-32.0	13815	
BE3-SPSSDX404■355-RH	28.0-40.0	16015	
BE3-SPSSDX404■357-RH	38.0-50.0	21815	
BE3-SPSSD6335NW357-RH	38.0-50.0	24765	
BE3-SPSSD6335NW359-RH	48.0-57.0	34915	
BE3-SPSSD8035NW361-RH	57.0-66.0	37950	
BE3-SPSSD8035NW363-RH	66.0-80.0		



**Submersible pump starter Automatic Start Delta with ON/OFF switch Standard Model incorporating** - Heavy Duty 4 Pole contactor type TC1-DX, overload relay type LR3D/LR1D, Auto Start switch, 3 position selector switch for SPP Auto/SPP Manual/Manual, On/ Off Rocker switch, voltmeter with selector switch suppressed scale ammeter, Motor ON & Trip LED Indicator



Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE3-SPSSDX204■308-RS	2.50-4.00	10615	1
BE3-SPSSDX204■310-RS	4.00-6.00		
BE3-SPSSDX204■312-RS	5.50-8.00		
BE3-SPSSDX204■314-RS	7.00-10.0		
BE3-SPSSDX204■316X-RS	9.00-14.0		
BE3-SPSSDX204■321-RS	13.0-18.0	11515	
BE3-SPSSDX254■321X-RS	14.0-22.0	11765	
BE3-SPSSDX254■322-RS	18.0-25.0		
BE3-SPSSDX254■353-RS	23.0-32.0	12715	
BE3-SPSSDX404■355-RS	28.0-40.0	14915	
BE3-SPSSDX404■357-RS	38.0-50.0	20715	
BE3-SPSSD6335NW357-RS	38.0-50.0	23665	
BE3-SPSSD6335NW359-RS	48.0-57.0	33815	
BE3-SPSSD8035NW361-RS	57.0-66.0	36815	
BE3-SPSSD8035NW363-RS	68.0-80.0		

## Motor Starters for Industrial Segment

Conforming IS/IEC60947-4-1



**Automatic Star Delta Starter in S.S. Enclosure** - Heavy Duty 4 Pole contactor type TC1-DX with wide band operating coil, Overload relay type LR1D with pneumatic timer

Reference	Relay (Amp)	MRP (₹)	Std. Pkg. (Nos.)
BE3-DXM204■307-PT	1.6-2.5	6950	1
BE3-DXM204■308-PT	2.5-4.0		
BE3-DXM204■310-PT	4.0-6.0		
BE3-DXM204■312-PT	5.5-8.0		
BE3-DXM204■316X-PT	9.0-14.0		
BE3-DXM204■321-PT	13.0-18.0	7100	
BE3-DXM254■321X-PT	14.0-22.0	9400	
BE3-DXM254■322-PT	18.0-25.0		
BE3-DXM254■353-PT	23.0-32.0	11600	



## Anmol Smart Mobile Pump Controller

Reference	Phase (Ø)	MRP (₹)	Std. Pkg. (Nos.)
TCMU1N	3	5600	1
TCMU1M	1	5250	



### Salient Features:

- 5 Users Mobile Controller
- 4 LEDs Indicators
- Get Motor ON/OFF status on mobile
- Battery Backup upto 8 hours
- Get status of Mains, Pump, Battery & Signal Strength
- Easy to operate with SMS or Missed call
- Schedule Motor Run Time
- Wall & Panel Mounting
- Suitable for GSM SIM card of all mobile operators

## Thermal Overload Relays Type LR1 - Direct Mounting

Relay Setting Range A	Std. Power Rating for 3 Phase Motor at 415V		Reference	MRP (₹)	Std. Pkg. (Nos.)
	HP	KW			
23.0-32.0	20.00	15.00	LR1-D32353	1965	1
28.0-40.0	20.00	15.00	LR1-D32355		
23.0-32.0	20.00	15.00	LR1-D40353	2160	
30.0-40.0	30.00	22.00	LR1-D40355		
38.0-50.0	35.00	25.00	LR1-D63357	2500	
48.0-57.0	40.00	30.00	LR1-D63359	3550	
57.0-66.0	50.00	37.00	LR1-D63361	3900	
65-105*	75.00	55.00	LR1-F105	6350	

\* Independent Mounting \*Wide band Coil NW has operating range 250-440V AC



## Thermal Overload Relays 3 Pole type LR3D-Direct Mounting

Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
LR3D09307	1.60-2.50	1050	1
LR3D09308	2.5-4.0		
LR3D09310	4.0-6.0		
LR3D09312	5.5-8.0		
LR3D09314	7.0-10		
LR3D12316X	9.0-14	1140	
LR3D16321	13-18	1170	
LR3D16321X	14-22		
LR3D25322	18-25		



## Thermal Overload Relays 2 Pole type LR7D (Direct Mounting) & LR7DM

Reference	Relay Range (Amp)	MRP (₹)	Std. Pkg. (Nos.)
LR7D09207	1.60-2.50	500	1
LR7D09208	2.5-4.0		
LR7D09210 / LR7D09210M	4.0-6.0		
LR7D09212 / LR7D09212M	5.5-8.0		
LR7D09214 / LR7D09214M	7.0-10		
LR7D12216X / LR7D12216XM	9.0-14		
LR7D16221	13-18	575	
LR7D16221X / LR7D16221XM	14-22		
LR7D25222	18-25		
LR7D32253	23-32	725	



### How to order Starter

- Complete the code by replacing the black square (■) by the letter(s) corresponding to the Coil Voltage selected.
- Starters/Submersible Pump Starter 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.

### Coil Voltage Codes (Standard) for Submersible Pump Starter/DOL/Auto DOL Starter

	Voltage	
Coil Voltage (AC) 50Hz	190-400	250-450
Coil Code**	Q	N

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

# Wide operating band encapsulated coils with its operating range.



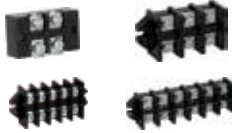
## Motor Starter Spares



Electronic Timer



Pneumatic SD Timer



Terminal Blocks



Definite Purpose Contactor Coil



Ammeter



Voltmeter



Auto Switch



Indicating Lamps



RYB Indicating Lamps



Archood - 4 Pole



Description	Reference	MRP (₹)
Pneumatic SD Timer (1-30 Sec)	TA2-DS2	1675
Electronic Timer	TCET030SD415VAC	1370
Terminal Block, 2 Way,15 A	TB2W15A	70
Terminal Block, 3 Way,60 A	TB3W60A	110
Terminal Block, 6 Way,60 A	TB6W60A	140
Terminal Block, 3Way,30 A	TB3W30A	130
Terminal Block, 5 Way,30 A	TB5W30A	140
Definite Purpose Contactor Coil 240V	DP2XU5	160
Ammeter	AM10A	375
Ammeter	AM15A	
Ammeter	AM20A	
Ammeter	AM25A	
Ammeter	AM50A	
Ammeter	AM755	510
Ammeter	AM1005	
Voltmeter	VM500	400
Voltmeter	VM300	375
Auto Switch 45 Sec Delay	TCAS045	630
On Indicating lamp (green)	RCB7IVL74-415V	114
TRIP indicating lamp (red)	RCB7IVL73-415V	
R Phase LED indicating Lamp	RCB7IVL74-220V	
Y Phase LED indicating Lamp	RCB7IVL78-220V	
B Phase LED indicating Lamp	RCB7IVL76-220V	
Archood TC1DX 4 POLE	TC1DX-A	200
Carrier TC1DX 4 Pole only mold	TC1DX-C	90
Rocker Switch	RSVM	45
Dual Meter - Analog (20A - 500V)	ELDN0001	660
Dual Meter - Digital (50A - 500V)	ELDN0030	750
Hour Meter	TCHRM	1200
Wire type Antenna - Mobile Controller Unit	ELNT0001	400
Battery - Mobile Controller Unit	TCDT0012	

## Motor Starter Spares



Description	Reference	MRP (₹)
Start Capacitor 80-100	ELSCC100	175
Start Capacitor 100-120	ELSC0120	165
Start Capacitor 120-150	ELSC0150	195
Start Capacitor 150-200	ELSC0200	
Start Capacitor 200-250	ELSC0250	205
Run Capacitor	ELRC0025	160
Run Capacitor	ELRC0036	
Run Capacitor	ELRC0045	230
Run Capacitor	ELRC0050	
Run Capacitor	ELRC0021	265
Run Capacitor	ELRC0072	
Stop Push Button	RCP2BA42	89
Start Push Button	RCP2BA31	
Contact Element 1 NO	RB2BE101	53
Contact Element 1 NC	RB2BE102	
Voltage Selector Switch	SPVSS10	300
MCB (C Type 16 Amps SP)	CSMBS1C16	197
MCB (C Type 100 Amps TP)	CSMBH3C100	POR
MCB (C Type 125 Amps TP)	CSMBH3C125	
MCB (C Type 25 Amps TP)	CSMB3C25-M	1068
MCB (C Type 32 Amps TP)	CSMB3C32-M	
MCB (C Type 63 Amps TP)	CSMB3C63-M	1680
Add On Start Switch	LA9D09906	145
Add On Block	LA1D20A	180
Add On Block (T) 1NO+1NC	TA1DN11	270
3 Position Selector Switch	RCP2BD32	184
3 Way Selector for SPP (Auto / Manual / Bypass)	ELSP0006	250
Mounting Kit	LA7D4054	370
Indicating Lamp 230V Coloured RED	ELIL0001	120
PB Actuator with Carrier without Element Green	RCB2BA3	59
PB Actuator with Carrier without Element Red	RCB2BA4	
Push Button Mushroom Head	RB2BS54	120
Contacteur Extension Block for SDS	EXT01	140
Relay Extension Block for SDS	EXT02	
Contacteur 63A	LC1D633	7450
Contacteur 80A	LC1D803	9400
Contacteur 115A	LC1FDP115A	15000

# Final Power Distribution Components



Miniature Circuit Breakers ■ Residual Current Circuit Breakers  
Isolators ■ MCB Type Changeover Switches ■ Distribution Boards  
Cable End Boxes ■ Plug & Socket DBs ■ MCB Enclosures



## C&S MCB & RCCB CREATING A SAFER TOMORROW.

### MCB

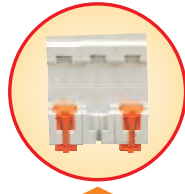
- WIDE RANGE**  
0.5A-125A | B,C,D Curve | 1P, 2P, 3P, 3P+N, 4P
- SAFE**  
Positive Isolation | IP20 | Trip Free Mechanism
- CONVENIENT**  
Captive Screws | Bi-Connect Terminals  
Vertical-Horizontal Installation
- EASY IDENTIFICATION**  
Legend Plate | 2 Position Dolly
- HIGH PERFORMANCE**  
Energy Limiting Class 3 | Low Power Consumption

### RCCB

- WIDE RANGE**  
10A-100A | 30mA, 100mA, 300mA | 2P, 4P
- SAFE**  
IP20 | Isolation | Fire Retardant Molded-case
- CONVENIENT**  
Dual Termination
- FAST RESPONSE**  
Instantaneous Trip < 40ms
- HIGH PERFORMANCE**  
Voltage Independent | No Nuisance Tripping



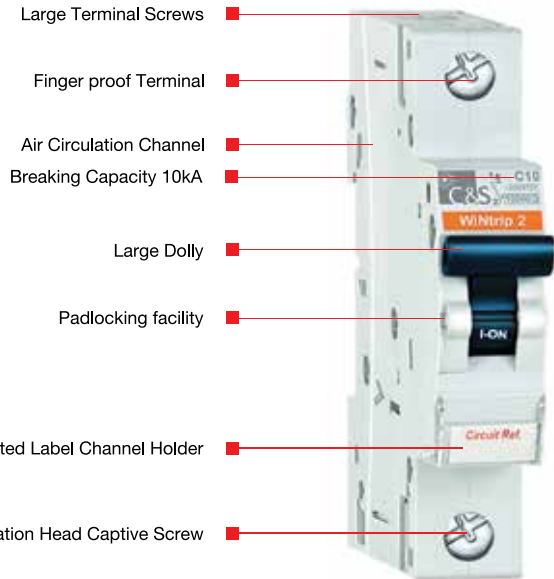
WiNtrip2 Miniature Circuit Breaker



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.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>1 Pole</b>			
6	CSMBS1B6	189	12
10	CSMBS1B10	189	
16	CSMBS1B16	189	
20	CSMBS1B20	189	
25	CSMBS1B25	189	
32	CSMBS1B32	189	
40	CSMBS1B40	412	
50	CSMBS1B50	474	
63	CSMBS1B63	474	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>3 Pole</b>			
6	CSMBS3B6	926	4
10	CSMBS3B10	926	
16	CSMBS3B16	926	
20	CSMBS3B20	926	
25	CSMBS3B25	926	
32	CSMBS3B32	926	
40	CSMBS3B40	1405	
50	CSMBS3B50	1405	
63	CSMBS3B63	1405	



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>1 Pole + N</b>			
6	CSMBS1B6N	571	6
10	CSMBS1B10N	571	
16	CSMBS1B16N	571	
20	CSMBS1B20N	571	
25	CSMBS1B25N	571	
32	CSMBS1B32N	571	
40	CSMBS1B40N	817	
50	CSMBS1B50N	944	
63	CSMBS1B63N	944	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>3 Pole + N</b>			
6	CSMBS3B6N	1206	3
10	CSMBS3B10N	1206	
16	CSMBS3B16N	1206	
20	CSMBS3B20N	1206	
25	CSMBS3B25N	1206	
32	CSMBS3B32N	1206	
40	CSMBS3B40N	1628	
50	CSMBS3B50N	1809	
63	CSMBS3B63N	1809	



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>2 Pole</b>			
6	CSMBS2B6	628	6
10	CSMBS2B10	628	
16	CSMBS2B16	628	
20	CSMBS2B20	628	
25	CSMBS2B25	628	
32	CSMBS2B32	628	
40	CSMBS2B40	886	
50	CSMBS2B50	1037	
63	CSMBS2B63	1037	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>4 Pole</b>			
6	CSMBS4B6	1327	3
10	CSMBS4B10	1327	
16	CSMBS4B16	1327	
20	CSMBS4B20	1327	
25	CSMBS4B25	1327	
32	CSMBS4B32	1327	
40	CSMBS4B40	1762	
50	CSMBS4B50	1889	
63	CSMBS4B63	1889	

## WiNtrip2 Miniature Circuit Breaker

### C-Series

Inductive load with surge current - Motor Circuit Applications



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>1 Pole</b>			
0.5	CSMBS1C0.5	321	12
1	CSMBS1C1	321	
2	CSMBS1C2	321	
3	CSMBS1C3	321	
4	CSMBS1C4	321	
5	CSMBS1C5	321	
6	CSMBS1C6	197	
10	CSMBS1C10	197	
16	CSMBS1C16	197	
20	CSMBS1C20	197	
25	CSMBS1C25	197	
32	CSMBS1C32	197	
40	CSMBS1C40	447	
50	CSMBS1C50	489	
63	CSMBS1C63	489	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>3 Pole</b>			
0.5	CSMBS3C0.5	1237	4
1	CSMBS3C1	1237	
2	CSMBS3C2	1237	
3	CSMBS3C3	1237	
4	CSMBS3C4	1237	
5	CSMBS3C5	1237	
6	CSMBS3C6	1027	
10	CSMBS3C10	1027	
16	CSMBS3C16	1027	
20	CSMBS3C20	1027	
25	CSMBS3C25	1027	
32	CSMBS3C32	1027	
40	CSMBS3C40	1492	
50	CSMBS3C50	1587	
63	CSMBS3C63	1587	



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>1 Pole + N</b>			
0.5	CSMBS1C0.5N	852	6
1	CSMBS1C1N	852	
2	CSMBS1C2N	852	
3	CSMBS1C3N	852	
4	CSMBS1C4N	852	
5	CSMBS1C5N	852	
6	CSMBS1C6N	604	
10	CSMBS1C10N	604	
16	CSMBS1C16N	604	
20	CSMBS1C20N	604	
25	CSMBS1C25N	604	
32	CSMBS1C32N	604	
40	CSMBS1C40N	873	
50	CSMBS1C50N	986	
63	CSMBS1C63N	986	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>3 Pole + N</b>			
0.5	CSMBS3C0.5N	1597	3
1	CSMBS3C1N	1597	
2	CSMBS3C2N	1597	
3	CSMBS3C3N	1597	
4	CSMBS3C4N	1597	
5	CSMBS3C5N	1597	
6	CSMBS3C6N	1301	
10	CSMBS3C10N	1301	
16	CSMBS3C16N	1301	
20	CSMBS3C20N	1301	
25	CSMBS3C25N	1301	
32	CSMBS3C32N	1301	
40	CSMBS3C40N	1742	
50	CSMBS3C50N	1876	
63	CSMBS3C63N	1876	



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>2 Pole</b>			
0.5	CSMBS2C0.5	898	6
1	CSMBS2C1	898	
2	CSMBS2C2	898	
3	CSMBS2C3	898	
4	CSMBS2C4	898	
5	CSMBS2C5	898	
6	CSMBS2C6	650	
10	CSMBS2C10	650	
16	CSMBS2C16	650	
20	CSMBS2C20	650	
25	CSMBS2C25	650	
32	CSMBS2C32	650	
40	CSMBS2C40	967	
50	CSMBS2C50	1096	
63	CSMBS2C63	1096	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>4 Pole</b>			
0.5	CSMBS4C0.5	1702	3
1	CSMBS4C1	1702	
2	CSMBS4C2	1702	
3	CSMBS4C3	1702	
4	CSMBS4C4	1702	
5	CSMBS4C5	1702	
6	CSMBS4C6	1446	
10	CSMBS4C10	1446	
16	CSMBS4C16	1446	
20	CSMBS4C20	1446	
25	CSMBS4C25	1446	
32	CSMBS4C32	1446	
40	CSMBS4C40	1935	
50	CSMBS4C50	2086	
63	CSMBS4C63	2086	

## WiNtrip2 Miniature Circuit Breaker

### D-Series

High Inductive Load & High Inrush Current



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>1 Pole</b>			
0.5	CSMBS1D0.5	352	12
1	CSMBS1D1	352	
2	CSMBS1D2	352	
3	CSMBS1D3	352	
4	CSMBS1D4	352	
5	CSMBS1D5	352	
6	CSMBS1D6	292	
10	CSMBS1D10	292	
16	CSMBS1D16	292	
20	CSMBS1D20	292	
25	CSMBS1D25	292	
32	CSMBS1D32	292	
40	CSMBS1D40	502	
50	CSMBS1D50	571	
63	CSMBS1D63	571	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>3 Pole</b>			
0.5	CSMBS3D0.5	1362	4
1	CSMBS3D1	1362	
2	CSMBS3D2	1362	
3	CSMBS3D3	1362	
4	CSMBS3D4	1362	
5	CSMBS3D5	1362	
6	CSMBS3D6	1072	
10	CSMBS3D10	1072	
16	CSMBS3D16	1072	
20	CSMBS3D20	1072	
25	CSMBS3D25	1072	
32	CSMBS3D32	1072	
40	CSMBS3D40	1633	
50	CSMBS3D50	1726	
63	CSMBS3D63	1726	



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>1 Pole + N</b>			
0.5	CSMBS1D0.5N	870	6
1	CSMBS1D1N	870	
2	CSMBS1D2N	870	
3	CSMBS1D3N	870	
4	CSMBS1D4N	870	
5	CSMBS1D5N	870	
6	CSMBS1D6N	690	
10	CSMBS1D10N	690	
16	CSMBS1D16N	690	
20	CSMBS1D20N	690	
25	CSMBS1D25N	690	
32	CSMBS1D32N	690	
40	CSMBS1D40N	1020	
50	CSMBS1D50N	1108	
63	CSMBS1D63N	1108	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>3 Pole + N</b>			
0.5	CSMBS3D0.5N	1751	3
1	CSMBS3D1N	1751	
2	CSMBS3D2N	1751	
3	CSMBS3D3N	1751	
4	CSMBS3D4N	1751	
5	CSMBS3D5N	1751	
6	CSMBS3D6N	1608	
10	CSMBS3D10N	1608	
16	CSMBS3D16N	1608	
20	CSMBS3D20N	1608	
25	CSMBS3D25N	1608	
32	CSMBS3D32N	1608	
40	CSMBS3D40N	1780	
50	CSMBS3D50N	1895	
63	CSMBS3D63N	1895	



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>2 Pole</b>			
0.5	CSMBS2D0.5	924	6
1	CSMBS2D1	924	
2	CSMBS2D2	924	
3	CSMBS2D3	924	
4	CSMBS2D4	924	
5	CSMBS2D5	924	
6	CSMBS2D6	741	
10	CSMBS2D10	741	
16	CSMBS2D16	741	
20	CSMBS2D20	741	
25	CSMBS2D25	741	
32	CSMBS2D32	741	
40	CSMBS2D40	1072	
50	CSMBS2D50	1132	
63	CSMBS2D63	1132	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>4 Pole</b>			
0.5	CSMBS4D0.5	1795	3
1	CSMBS4D1	1795	
2	CSMBS4D2	1795	
3	CSMBS4D3	1795	
4	CSMBS4D4	1795	
5	CSMBS4D5	1795	
6	CSMBS4D6	1650	
10	CSMBS4D10	1650	
16	CSMBS4D16	1650	
20	CSMBS4D20	1650	
25	CSMBS4D25	1650	
32	CSMBS4D32	1650	
40	CSMBS4D40	2007	
50	CSMBS4D50	2239	
63	CSMBS4D63	2239	

☒ Non Stockable item

## WiNtrip2 Miniature Circuit Breaker

### DC-Series



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>1 Pole</b>			
0.5	☒ CSMBSD1DC0.5	390	12
1	☒ CSMBSD1DC1	390	
2	☒ CSMBSD1DC2	390	
3	☒ CSMBSD1DC3	390	
4	☒ CSMBSD1DC4	390	
5	☒ CSMBSD1DC5	390	
6	☒ CSMBSD1DC6	345	
10	☒ CSMBSD1DC10	345	
16	☒ CSMBSD1DC16	345	
20	☒ CSMBSD1DC20	345	
25	☒ CSMBSD1DC25	345	
32	☒ CSMBSD1DC32	345	
40	☒ CSMBSD1DC40	484	
50	☒ CSMBSD1DC50	562	
63	☒ CSMBSD1DC63	562	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>2 Pole</b>			
0.5	☒ CSMBSD2DC0.5	912	6
1	☒ CSMBSD2DC1	912	
2	☒ CSMBSD2DC2	912	
3	☒ CSMBSD2DC3	912	
4	☒ CSMBSD2DC4	912	
5	☒ CSMBSD2DC5	912	
6	☒ CSMBSD2DC6	714	
10	☒ CSMBSD2DC10	714	
16	☒ CSMBSD2DC16	714	
20	☒ CSMBSD2DC20	714	
25	☒ CSMBSD2DC25	714	
32	☒ CSMBSD2DC32	714	
40	☒ CSMBSD2DC40	1023	
50	☒ CSMBSD2DC50	1155	
63	☒ CSMBSD2DC63	1155	

### Accessories (Site fit-able)

Description	Product Code	Suitable for MCB
Auxiliary Contact 1NO/1NC	CSMBAXSF	WiNtrip
	CSMBAXSF-W2	WiNtrip2
Alarm Contact 1NO/1NC	CSMBALSF	WiNtrip
	CSMBALSF-W2	WiNtrip2
Applicable Voltage: 12V DC, 24V DC, 48V DC & 240V A		

### Accessories (Site fit-able)

Description	Product Code	MRP (₹)
<b>Shunt Trip</b>		
☒ 12V DC	CSMBSD012SF	POR
☒ 24V DC	CSMBSD024SF	
☒ 48V DC	CSMBSD048SF	
☒ 110V AC	CSMBSD110SF	POR
☒ 220V AC	CSMBSD220SF	

### Higher Rating Miniature Circuit Breakers



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>1 Pole</b>			
80	CSMBH1C80	POR	3
100	CSMBH1C100		
125	CSMBH1C125		
<b>2 Pole</b>			
80	CSMBH2C80	POR	3
100	CSMBH2C100		
125	CSMBH2C125		

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>3 Pole</b>			
80	CSMBH3C80	POR	1
100	CSMBH3C100		
125	CSMBH3C125		
<b>4 Pole</b>			
80	CSMBH4C80	POR	1
100	CSMBH4C100		
125	CSMBH4C125		

### Accessories for Higher Rating MCB (Site fit-able)

Description	Product Code	MRP (₹)
<b>Auxiliary Contact</b>		
☒ 1NO/1NC	CSMBHAXSF	POR
<b>Alarm Contact</b>		
☒ 1NO/1NC	CSMBHALSF	POR
Applicable Voltage: 12V DC, 24V DC, 48V DC & 230V-500V AC		

Description	Product Code	MRP (₹)
<b>Shunt Trip</b>		
☒ 12V DC	CSMBHS012SF	POR
☒ 24V DC	CSMBHS024SF	
☒ 48V DC	CSMBHS048SF	
☒ 110V AC	CSMBHS110SF	POR
☒ 240V AC	CSMBHS240SF	

☒ Non Stockable item

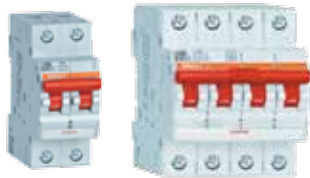


## WiNtrip2 Isolator



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>1 Pole</b>			
25	CSMBS1ISO25	221	12
40	CSMBS1ISO40	293	
63	CSMBS1ISO63	326	
80	CSMBS1ISO80	362	
100	CSMBS1ISO100	418	
125	CSMBS1ISO125	496	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>3 Pole</b>			
25	CSMBS3ISO25	676	4
40	CSMBS3ISO40	785	
63	CSMBS3ISO63	875	
80	CSMBS3ISO80	1008	
100	CSMBS3ISO100	1018	
125	CSMBS3ISO125	1084	



Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>2 Pole</b>			
25	CSMBS2ISO25	370	6
40	CSMBS2ISO40	409	
63	CSMBS2ISO63	518	
80	CSMBS2ISO80	654	
100	CSMBS2ISO100	660	
125	CSMBS2ISO125	740	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>4 Pole</b>			
25	CSMBS4ISO25	730	3
40	CSMBS4ISO40	900	
63	CSMBS4ISO63	986	
80	CSMBS4ISO80	1225	
100	CSMBS4ISO100	1225	
125	CSMBS4ISO125	1350	

## WiNtrip MCB Type Changeover Switch



Description	Pole	Rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>2 Pole</b>					
Two way centre OFF Changeover Switch	2	25	CSCOS2P25A	1223	6
Two way centre OFF Changeover Switch	2	40	CSCOS2P40A	1818	
Two way centre OFF Changeover Switch	2	63	CSCOS2P63A	2109	



Description	Pole	Rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
<b>4 Pole</b>					
Two way centre OFF Changeover Switch	4	25	CSCOS4P25A	2291	3
Two way centre OFF Changeover Switch	4	40	CSCOS4P40A	3434	
Two way centre OFF Changeover Switch	4	63	CSCOS4P63A	3687	

# WiNtrip

Miniature Circuit Breakers & Isolators



Two stage easy snapping device for Din Rail Mounting



Bi-connect terminals for Cable and Busbar

Large Terminal Screws

Finger proof Terminal

Air Circulation Channel

Breaking Capacity 10kA

Large Dolly

Padlocking facility

Integrated Label Channel Holder

Combination Head Captive Screw



## ▶ Miniature Circuit Breakers

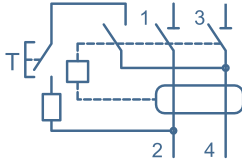
- Rating: 0.5A-63A
- Pole: 1P, 1 P+N, 2P, 3P, 3P+N & 4P
- Trip Curve: B, C, DC

## ▶ Isolators

- Rating: 25A-125A
- Pole: 1P, 2P, 3P & 4P



For prices, please contact nearest Branch Office.

**WiNtrip Residual Current Circuit Breaker**


Test Button



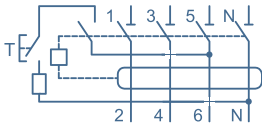
Bi-connect Terminals

2 Pole, 30mA			
Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
10	CSRB2P10A30	2434	6
16	CSRB2P16A30	2436	
20	CSRB2P20A30	2443	
25	CSRB2P25A30	2519	
32	CSRB2P32A30	2574	
40	CSRB2P40A30	2588	
63	CSRB2P63A30	3463	
80	CSRB2P80A30	5162	
100	CSRB2P100A30	5186	

2 Pole, 100mA			
Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
10	CSRB2P10A100	2434	6
16	CSRB2P16A100	2436	
20	CSRB2P20A100	2443	
25	CSRB2P25A100	2519	
32	CSRB2P32A100	2574	
40	CSRB2P40A100	2588	
63	CSRB2P63A100	3463	
80	CSRB2P80A100	5162	
100	CSRB2P100A100	5186	

Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
2 Pole, 300mA			
10	CSRB2P10A300	2434	6
16	CSRB2P16A300	2436	
20	CSRB2P20A300	2443	
25	CSRB2P25A300	2624	
32	CSRB2P32A300	2574	
40	CSRB2P40A300	2821	
63	CSRB2P63A300	3536	
80	CSRB2P80A300	5162	
100	CSRB2P100A300	5186	

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

**WiNtrip Residual Current Circuit Breaker**


Test Button



Bi-connect Terminals

4 Pole, 30mA			
Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
10	CSRB4P10A30	3040	3
16	CSRB4P16A30	3060	
20	CSRB4P20A30	3081	
25	CSRB4P25A30	3230	
32	CSRB4P32A30	3244	
40	CSRB4P40A30	3312	
63	CSRB4P63A30	3762	
80	CSRB4P80A30	5691	
100	CSRB4P100A30	5837	

4 Pole, 100mA			
Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
10	CSRB4P10A100	3040	3
16	CSRB4P16A100	3060	
20	CSRB4P20A100	3081	
25	CSRB4P25A100	3230	
32	CSRB4P32A100	3244	
40	CSRB4P40A100	3312	
63	CSRB4P63A100	3762	
80	CSRB4P80A100	5691	
100	CSRB4P100A100	5837	

4 Pole, 300mA			
Current rating (Amps.)	Product Code	MRP (₹)	Std. Pkg. (Nos.)
10	CSRB4P10A300	3040	3
16	CSRB4P16A300	3060	
20	CSRB4P20A300	3081	
25	CSRB4P25A300	3358	
32	CSRB4P32A300	3244	
40	CSRB4P40A300	3499	
63	CSRB4P63A300	3762	
80	CSRB4P80A300	5691	
100	CSRB4P100A300	5837	

## WiNtrip Distribution Board



Polycarbonate Cover Consumer Unit DB			
Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
SPN WC 06 WAY SD WITH ACRYLIC DOOR	CSDBSPNSDCA06	6	904
SPN WC 08 WAY SD WITH ACRYLIC DOOR	CSDBSPNSDCA08	8	1013
SPN WC 12 WAY SD WITH ACRYLIC DOOR	CSDBSPNSDCA12	12	1306
SPN WC 16 WAY SD WITH ACRYLIC DOOR	CSDBSPNSDCA16	16	1660

## Distribution Board (Deepdrawn with Pan Assembly)

### SPN Distribution Board



Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
04 Way Single Door	CSDBSPNSD04	4	897
08 Way Single Door	CSDBSPNSD08	8	1133
12 Way Single Door	CSDBSPNSD12	12	1345
16 Way Single Door	CSDBSPNSD16	16	1682
04 Way Double Door	CSDBSPNDD04	4	1265
08 Way Double Door	CSDBSPNDD08	8	1581
12 Way Double Door	CSDBSPNDD12	12	1903
16 Way Double Door	CSDBSPNDD16	16	2392

### TPN Distribution Board - Horizontal



Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
04 Way Single Door	CSDBTPNHSD04	8+12	2405
06 Way Single Door	CSDBTPNHSD06	8+18	3010
08 Way Single Door	CSDBTPNHSD08	8+24	3580
12 Way Single Door	CSDBTPNHSD12	8+36	5238
16 Way Single Door	CSDBTPNHSD16	8+48	6401
04 Way Double Door	CSDBTPNHDD04	8+12	3191
06 Way Double Door	CSDBTPNHDD06	8+18	3944
08 Way Double Door	CSDBTPNHDD08	8+24	4725
12 Way Double Door	CSDBTPNHDD12	8+36	7045
16 Way Double Door	CSDBTPNHDD16	8+48	8613

## C&S WiNclass Distribution Board (Deepdrawn)

### SPN WiNclass Distribution Board



Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
2+04 Way Single Door	CSDBSPNSD04S	2+04	654
2+08 Way Single Door	CSDBSPNSD08S	2+08	805
2+12 Way Single Door	CSDBSPNSD12S	2+12	1089
2+14 Way Single Door	CSDBSPNSD16S	2+14	1358
2+04 Way Double Door	CSDBSPNDD04S	2+04	1074
2+08 Way Double Door	CSDBSPNDD08S	2+08	1333
2+12 Way Double Door	CSDBSPNDD12S	2+12	1746
2+14 Way Double Door	CSDBSPNDD16S	2+14	2243

### TPN WiNclass Distribution Board



Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
04 Way Single Door DB	CSDBTPNHSD04S	8+12	2077
06 Way Single Door DB	CSDBTPNHSD06S	8+18	2488
08 Way Single Door DB	CSDBTPNHSD08S	8+24	2732
12 Way Single Door DB	CSDBTPNHSD12S	8+36	3609
16 Way Single Door DB	CSDBTPNHSD16S	8+48	4522
04 Way Double Door DB	CSDBTPNHDD04SN	4+12	2790
04 Way Double Door DB	CSDBTPNHDD04S	8+12	2805
06 Way Double Door DB	CSDBTPNHDD06S	8+18	3512
08 Way Double Door DB	CSDBTPNHDD08S	8+24	4384
12 Way Double Door DB	CSDBTPNHDD12S	8+36	6248
16 Way Double Door DB	CSDBTPNHDD16S	8+48	7876

## WiNtrip Distribution Board



PPI Distribution Board		
Description	Product Code	MRP (₹)
4 Way Double Door	CSDBTPNPPIDD04	4838
6 Way Double Door	CSDBTPNPPIDD06	6048
8 Way Double Door	CSDBTPNPPIDD08	7336
12 Way Double Door	CSDBTPNPPIDD12	8484



Phase Selector Distribution Board - 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	9827
6 Way DD with 63A R/S	CSDBPHSDD06RS63	10055
8 Way DD with 63A R/S	CSDBPHSDD08RS63	11092
12 Way DD with 63A R/S	CSDBPHSDD12RS63	12289
4 Way DD with 40A R/S	CSDBPHSDD04RS40	9838
6 Way DD with 40A R/S	CSDBPHSDD06RS40	9878
8 Way DD with 40A R/S	CSDBPHSDD08RS40	11234
12Way DD with 40A R/S	CSDBPHSDD12RS40	12086
4 Way DD without R/S	CSDBPHSDD04	8610
6 Way DD without R/S	CSDBPHSDD06	8402
8 Way DD without R/S	CSDBPHSDD08	9478
12 Way DD without R/S	CSDBPHSDD12	10825



VTPN Distribution Board (with provision for WiNtrip MCB)			
Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
4 way Double Door	CSDBTPNVDD04	8+12	7684
6 way Double Door	CSDBTPNVDD06	8+18	8797
8 way Double Door	CSDBTPNVDD08	8+24	9729
12 way Double Door	CSDBTPNVDD12	8+36	13035



VTPN Distribution Board (with provision for WiNtrip2 MCB)			
Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
4 way Double Door	CSDBTPNVDD04S	8+12	7684
6 way Double Door	CSDBTPNVDD06S	8+18	8797
8 way Double Door	CSDBTPNVDD08S	8+24	9729
12 way Double Door	CSDBTPNVDD12S	8+36	13035

VTPN Distribution Board (with provision for MCCB as incomer & WiNtrip MCB as outgoing)		
Description	Product Code	MRP (₹)
MCCB as incomer 100A DD04 Way IP43	CSDBMCCB100DD04IP43	9171
MCCB as incomer 100A DD08 Way IP43	CSDBMCCB100DD08IP43	11650
MCCB as incomer 100A DD12 Way IP43	CSDBMCCB100DD12IP43	15554
MCCB as incomer 225A DD04 Way IP43	CSDBMCCB225DD04IP43	16280
MCCB as incomer 225A DD08 Way IP43	CSDBMCCB225DD08IP43	19157
MCCB as incomer 225A DD12 Way IP43	CSDBMCCB225DD12IP43	20009

VTPN Distribution Board (with provision for MCCB as incomer & WiNtrip2 MCB as outgoing)		
Description	Product Code	MRP (₹)
MCCB as incomer 100A DD04 Way IP43	CSDBMCCB100DD04IP43S	9171
MCCB as incomer 100A DD08 Way IP43	CSDBMCCB100DD08IP43S	11650
MCCB as incomer 100A DD12 Way IP43	CSDBMCCB100DD12IP43S	15554
MCCB as incomer 225A DD04 Way IP43	CSDBMCCB225DD04IP43S	16280
MCCB as incomer 225A DD08 Way IP43	CSDBMCCB225DD08IP43S	19157
MCCB as incomer 225A DD12 Way IP43	CSDBMCCB225DD12IP43S	20009

## WiNtrip Distribution Board



### MCCB Selection Guide

Description	Product Code	Product Code	Type/ Breaking Capacity Ics=100%Icu	MCCB Rating
3 Pole & 4 Pole CS2A3* CSC1N3* CSC1N4* CSC1S3* CSC1S4* CSC2N3* CSC2N4*	CSDBMCCB100DD04IP43	CSDBMCCB100DD04IP43S	CS2A3=10kA	75,100A
	CSDBMCCB100DD08IP43	CSDBMCCB100DD08IP43S	CSC1N=14kA	15, 20, 30, 40 & 50A
	CSDBMCCB100DD12IP43	CSDBMCCB100DD12IP43S	CSC1S=18kA CSC2N=18kA	15, 20, 30, 40 & 50A 60, 75 & 100A
3 Pole & 4 Pole CSC4N3* CSC4N4* CSC4S3* CSC4S4*	CSDBMCCB225DD04IP43	CSDBMCCB225DD04IP43S	CSC4N=26kA	100, 125, 150, 175 200 & 250A
	CSDBMCCB225DD08IP43	CSDBMCCB225DD08IP43S		
	CSDBMCCB225DD12IP43	CSDBMCCB225DD12IP43S	CSC4S=37kA	150, 175, 200 & 250A

**Note:** 1. Replace \*with MCCB code eg. MCCB 3Pole, 14kA, 50A-CSC1N350



### 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	7768
	CSDB7SEGDD06	8755
	CSDB7SEGDD08	9776
	CSDB7SEGDD12	12426

**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)



### FLEXI (Tier) DBs (with Metal Door)

Description	Product Code	MRP (₹)
FLEXI DD DB 2 ROW 13MODULES	CSDBFLDD2R13	4093
FLEXI DD DB 3 ROW 13MODULES	CSDBFLDD3R13	4824
FLEXI DD DB 4 ROW 13MODULES	CSDBFLDD4R13	5333



### Double Door DB (with Acrylic Window)

Description	Product Code	MRP (₹)
SPN Distribution Board Double Door 4 Way	CSDBSPNDDA2+04	1368
SPN Distribution Board Double Door 8 Way	CSDBSPNDDA2+08	1606
SPN Distribution Board Double Door 12 Way	CSDBSPNDDA2+12	1950
SPN Distribution Board Double Door 16 Way	CSDBSPNDDA2+14	2412



## WiNtrip Telephone & Television Socket Distribution Board

### TPNH Cable End Box Double Door Distribution Board

Description	Product Code	MRP (₹)
SPN 04 way Tel & TV Socket DB (2+4)	CSDBSPNDDTELV04	2586
SPN 06 way Tel & TV Socket DB (2+6)	CSDBSPNDDTELV06	2742
SPN 08 way Tel & TV Socket DB (2+8)	CSDBSPNDDTELV08	2910
SPN 10 way Tel & TV Socket DB (2+10)	CSDBSPNDDTELV10	3096
SPN 12 way Tel & TV Socket DB (2+12)	CSDBSPNDDTELV12	3450
SPN 14 way Tel & TV Socket DB (2+14)	CSDBSPNDDTELV14	3558
TPN 04 way Tel & TV Socket DB (8+12)	CSDBTPNDDTELV04	4291
TPN 06 way Tel & TV Socket DB (8+18)	CSDBTPNDDTELV06	4924
TPN 08 way Tel & TV Socket DB (8+24)	CSDBTPNDDTELV08	5678
TPN 12 way Tel & TV Socket DB (8+36)	CSDBTPNDDTELV12	7395

## C&S Distribution Board



SPN Distribution Board			
Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
4 way Double Door	CSDBSPNFDD04	4	985
8 way Double Door	CSDBSPNFDD08	8	1264
12 way Double Door	CSDBSPNFDD12	12	1680
16 way Double Door	CSDBSPNFDD16	16	2128



TPN Horizontal Distribution Board			
Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
4 way Double Door	CSDBTPNHFDD04	8+12	2782
6 way Double Door	CSDBTPNHFDD06	8+18	3342
8 way Double Door	CSDBTPNHFDD08	8+24	4150
12 way Double Door	CSDBTPNHFDD12	8+36	5936



TPN Vertical Distribution Board			
Description	Product Code	No. of Modules (Incomer+Outgoing)	MRP (₹)
4 way Double Door	CSDBTPNVFDD04	8+12	5264
6 way Double Door	CSDBTPNVFDD06	8+18	6232
8 way Double Door	CSDBTPNVFDD08	8+24	7254
12 way Double Door	CSDBTPNVFDD12	8+36	9257

## WiNtrip Cable End Box

### TPNH Cable End Box

Description	Product Code	MRP (₹)
TPNH 4 way	CSDBCBTPNHDD04	793
TPNH 6 way	CSDBCBTPNHDD06	945
TPNH 8 way	CSDBCBTPNHDD08	1129
TPNH 12 way	CSDBCBTPNHDD12	1622
TPNH 16 way	CSDBCBTPNHDD16	1685



### TPNV Cable End Box

Description	Product Code	MRP (₹)
TPNV 4 way	CSDBCBTPNVDD	1340
TPNV 8 way	CSDBCBTPNVDD	1340
TPNV 12 way	CSDBCBTPNVDD	1340



## WiNtrip 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 (₹)	Std. Pkg. (No.s)
10Amp SPN	CSDBPSSPN010	825	12
20Amp SPN	CSDBPSSPN020	825	12
20Amp SPN (SP Cutout)	CSDBPSSPN020SP	825	12
20Amp TPN	CSDBPSTPN020	2310	6
30Amp TPN	CSDBPSTPN030	2310	6

## WiNtrip Plug and Sockets (Metal Clad)



Description	Product Code	MRP (₹)	Std. Pkg. (No.s)
10Amp SPN Plug	CSDBPSPN010	168	36
10Amp SPN Socket	CSDBSSPN010	168	36
20Amp SPN Plug	CSDBPSPN020	185	36
20Amp SPN Socket	CSDBSSPN020	196	36
20Amp TPN Plug	CSDBPTPN020	230	36
20Amp TPN Socket	CSDBSTPN020	241	36
30Amp TPN Plug	CSDBPTPN030	370	36
30Amp TPN Socket	CSDBSTPN030	370	36

## WiNtrip Metal Enclosures (with Din Rail)

For Mounting WiNtrip MCBs / RCCBs / Isolators



Description	Product Code	MRP (₹)	Std. Pkg. (No.s)
SP Enclosure	CSDBMCBESP	312	24
DP Enclosure	CSDBMCBEDP	312	24
TP Enclosure	CSDBMCBETP	360	12
FP Enclosure	CSDBMCBEFP	360	12

## WiNtrip Plastic Enclosure without MCB

Description	Product Code	MRP (₹)
Plastic MCB Enclosure SP&DP/STD	CSDBMCBEPDP	120
Plastic MCB Enclosure TP&FP/STD	CSDBMCBEPFP	168



## MCB Enclosure IP55

4 Pole			
Description	Product Code	MRP (₹)	Std. Pkg. (No.s)
MCB Enclosure IP55 04 Way	CSDBEP04	1250	1

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<b>Final Power Distribution Components</b> MCB, RCCB, Distribution Board	+91 120 3857451	fdp.ccc@cselectric.co.in
<b>Lighting</b> Downlights, Battens, Street Light, Flood Light, LED Tube Light, LED Lamp	+91 11 33849334	lt.ccc@cselectric.co.in
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Agra | Allahabad | Aurangabad | Bareilly | Bhopal | Dehradun | Goa | Gorakhpur | Haridwar | Hubli | Jabalpur | Jammu | Kolhapur | Kollam | Mangalore | Mehsana | Nashik | Patna | Rajkot | Rourkela | Siliguri | Srinagar | Tirupathi | Trichy | Udaipur | Una | Vapi | Visakhapatnam

### WAREHOUSES

#### NATIONAL WAREHOUSE

NOIDA - A-7 & 8, Sector-VIII , Noida -201 301, Distt. Gautam Budh Nagar, (UP) Ph.: (+91 120) 3914301-02 Fax: (+ 91 120) 3914303

#### REGIONAL WAREHOUSES

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**LUCKNOW** 3rd Floor, E-143, Phase-I, Transport Nagar, Kanpur Road, Lucknow - 17 Ph.: (+91 522) 4103460  
**INDORE** Liberty Agencies 53, Udyog Nagar, Near Musakhedi Square, Ring Road, Indore-452001 Ph.: (+91) 88780-62000 / 64000  
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**RANCHI** Plot No. 145/C, Mandir Marg-D, Road No. 4, Ashok Nagar, Distt. Ranchi, Jharkhand - 834002 Ph.: (91 651) 2242202, 2242224  
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