



ONE NATION
ONE TAX



Price Schedule

Effective 1st 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
ExceedD 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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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 Disconnecter



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)

$I_{cs}=I_{cu}=I_{cw}$
(for 1 sec)
at 50kA

CE RoHS
Compliant

Intelligent releases

- Micropro2 3.1
- Micropro2 4.1
- Micropro2 7.1



INTELLIGENT RELEASE

Measurement

Trip History

ZSI

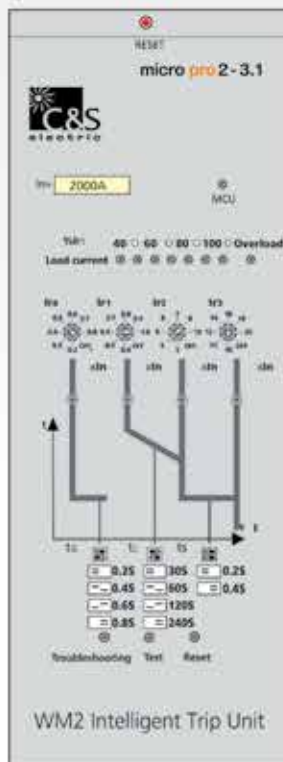
Fault LED retention

Short Circuit Protection

Communication

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, KVarh, 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

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)
- Microprocessor Release - Auxiliary Switch 6NO+6NC - Main CTs - Terminal Type - Horizontal	- Microprocessor Release - Auxiliary Switch 6NO+6NC - Main CTs - AC/DC Charging Motor - Closing Coil - Shunt Trip - Terminal Type - Horizontal	- Microprocessor Release - Auxiliary Switch 6NO+6NC - Main CTs - Safety Shutter - 55 Way auxiliary isolating contacts - Terminal Type - Horizontal	- Microprocessor Release - Auxiliary Switch 6NO+6NC - Main CTs - Safety Shutter - 55 Way auxiliary isolating contacts - AC/DC Charging Motor - Closing Coil - Shunt Trip - Terminal Type - Horizontal

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:

- 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
- In TP ACB, if earth fault facility required, please select Prices of ACB with neutral CT.
- 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)

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

CUSTOMER NAME		ORDER NO. & DATE		DELIVERY DATE	END USER / PANEL BUILDER NAME & PHONE NO.	
RATING OF ACB REQUIRED	☐ 630 A	☐ 1000 A	☐ 1600 A	☐ 2500 A	QTY. (NOS.)	Product Reference
	☐ 800 A	☐ 1250 A	☐ 2000 A			
NO. OF POLES	☐ 3 POLE ☐ 3P+N ☐ 4 POLE			Breaking capacity		
MOUNTING	☐ FIXED ☐ DRAWOUT ☐ 55 WAY AUX. ISOLATING CONTACT ASSLY.					
OPERATION	☐ MANUAL ☐ ELECTRICAL CLOSING COIL ☐ 110V AC ☐ 220~250V AC ☐ 380~440V AC ☐ 24V DC ☐ 48V DC ☐ 110V DC ☐ 220V DC SHUNT TRIP COIL ☐ 110V AC ☐ 220~250V AC ☐ 380~440V AC ☐ 24V DC ☐ 48V DC ☐ 110V DC ☐ 220V DC MOTOR ☐ 110V AC ☐ 220V AC ☐ 415V AC ☐ 110V DC ☐ 220V DC					
RELEASES	MICROPROCESSOR RELEASE ☐ MicroPro2 3.1 ☐ MicroPro2 4.1 ☐ MicroPro2 7.1		MAIN CT RATING _____ A, SETTINGS : OVERLOAD _____ A, SHORT CIRCUIT _____ A, GROUND FAULT _____ A INSTANTANEOUS _____ A, NEUTRAL _____ A,			
	UNLESS & OTHERWISE SPECIFIED, ALL SETTINGS OF RELEASES WOULD BE SET AT MINIMUM VALUES.					
ACCESSORIES	☐ AUX. SW 6 NO+6 NC ☐ AUX. SW 4 NO+4 NC ☐ DOOR INTERLOCK ☐ UVT ☐ 110V AC ☐ 220~250V AC ☐ 380~440V AC ☐ 110V DC ☐ 220V DC ☐ MECHANICAL INTERLOCK ☐ HORIZONTAL ☐ VERTICAL					
	☐ KEY INTERLOCK ☐ 1 ACB ☐ 2 ACBs ☐ 3 ACBs ☐ SPRING CHARGE IND. SWITCH (ONLY WITH ELECTRICAL ACB)					
SPECIAL REQUIREMENT/ ACCESSORIES (IF ANY)						
Notes : (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.						

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)

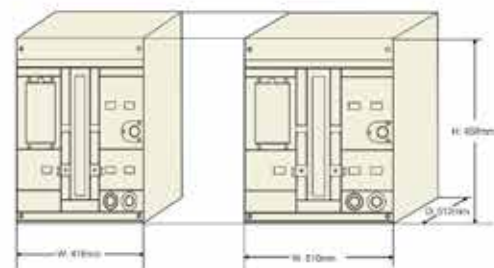
WM06A	■	■
WM08A	■	■
WM10A	■	■
WM12A	■	■
WM16A	■	■
WM20A	■	■

WM: 2000A to 4000A

Performance levels: 50KA (N) 65KA(S)

WM20B	■	■
WM25B	■	■
WM32B	■	■
WM40B	■	■

■ 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

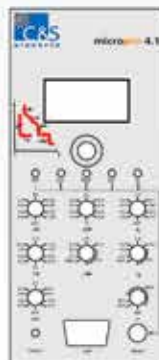
- Overload & Short Circuit protection
- Instantaneous current protection
- Neutral & Ground Fault Protection
- Zone Selectivity, Ampere Meter
- LCD display and fault LED retention in case of power failure
- In-built thermal memory
- Fault type, current and time for last trip event

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, KVAh 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, KVAh, 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)
- Microprocessor Release - Auxiliary Switch 4NO+4NC - Main CTs - Terminal Type-Horizontal # - Power Supply Module	- Microprocessor Release - Auxiliary Switch 4NO+4NC - Main CTs - AC/DC Charging Motor - Closing Coil - Shunt Trip - Micro Switches as required for electrical operation - Terminal Type - Horizontal# - Power Supply Module	- Microprocessor Release - Auxiliary Switch 6NO+6NC - Main CTs - Safety Shutter - 36 Way auxiliary isolating contacts - Terminal Type - Horizontal upto 2500A and vertical for 3200/4000A - Power Supply Module	- Microprocessor Release - Auxiliary Switch 6NO+6NC - Main CTs - Safety Shutter - 36 Way auxiliary isolating contacts - AC/DC Charging Motor - Closing Coil - Shunt Trip - Micro Switches as required for electrical operation - Terminal Type-Horizontal up to 2500A and vertical for 3200/4000A - Power Supply Module

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

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	213560
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

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 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MD	*ED
630	50kA	WM06N4P*MP3.1(S)		
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	☐ 630 A	☐ 1000 A	☐ 1600 A	☐ 2500 A	QTY. (NOS.)	Product Reference																					
	☐ 800 A	☐ 1250 A	☐ 2000 A	☐ 3200 A			☐ 4000A																				
NO. OF POLES	☐ 3 POLE	☐ 4 POLE	Breaking capacity																								
MOUNTING	☐ FIXED ☐ DRAWOUT ☐ 48 WAY AUX. ISOLATING CONTACT ASSLY. ☐ POSITION INDICATION SWITCH																										
OPERATION	☐ MANUAL ☐ ELECTRICAL																										
	CLOSING COIL SHUNT TRIP COIL MOTOR <table border="1" style="font-size: small;"> <tr> <td>110V AC</td> <td>220~250V AC</td> <td>415~440V AC</td> </tr> <tr> <td>24V DC</td> <td>48V DC</td> <td>110V DC</td> </tr> <tr> <td>220V DC</td> <td colspan="2"></td> </tr> </table> <table border="1" style="font-size: small;"> <tr> <td>110V AC</td> <td>220~250V AC</td> <td>415~440V AC</td> </tr> <tr> <td>24V DC</td> <td>48V DC</td> <td>110V DC</td> </tr> <tr> <td>220V DC</td> <td colspan="2"></td> </tr> </table> <table border="1" style="font-size: small;"> <tr> <td>110V AC</td> <td>220V AC</td> </tr> <tr> <td>110V DC</td> <td>220V DC</td> </tr> </table>						110V AC	220~250V AC	415~440V AC	24V DC	48V DC	110V DC	220V DC			110V AC	220~250V AC	415~440V AC	24V DC	48V DC	110V DC	220V DC			110V AC	220V AC	110V DC
110V AC	220~250V AC	415~440V AC																									
24V DC	48V DC	110V DC																									
220V DC																											
110V AC	220~250V AC	415~440V AC																									
24V DC	48V DC	110V DC																									
220V DC																											
110V AC	220V AC																										
110V DC	220V DC																										
RELEASES	MICROPROCESSOR RELEASE ☐ MicroPro 3.1 ☐ MicroPro 4.1 ☐ MicroPro 5.1 ☐ MicroPro 6.1 ☐ MicroPro 7.1 ☐ COMMUNICATION MODULE* ☐ COMMUNICATION PROTOCOL ☐ ModBus ☐ ProfiBus ☐ DeviceNet ☐ BATTERY UNIT* ☐ 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	☐ AUX. SW 4 NO+4 NC ☐ TRIP IND. SWITCH ☐ POSITION IND. SWITCH ☐ UVT. ☐ AUX. SW 6 NO+6 NC ☐ OCR ALARM SWITCH ☐ CASTLE KEYLOCK ☐ KEY INTERLOCK ☐ SPRING CHARGE IND. SWITCH ☐ MECH. OPERATION COUNTER ☐ DOOR INTERLOCK ☐ 110V AC ☐ 220~250V AC ☐ 415~440V AC ☐ 1 ACB ☐ 110V DC ☐ 220V DC ☐ 2 ACBs ☐ 3 ACBs																										
SPECIAL REQUIREMENT/ ACCESSORIES (IF ANY)																											
Notes : (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)
- Microprocessor Release - Auxiliary Switch 5a 5b i.e. 5NO+5NC - Main CTs - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A - Rectifier (24V DC supply)	- Microprocessor Release - Auxiliary Switch 5a 5b i.e. 5NO+5NC - Main CTs - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A - Rectifier (24V DC supply)	- Microprocessor Release - Auxiliary Switch 7a 7b i.e. 7NO+7NC - Main CTs - Safety Shutter 36 way Auxiliary Isolating contacts - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A - Rectifier (24V DC supply)	- Microprocessor Release - Auxiliary Switch 7a 7b i.e. 7NO+7NC - Main CTs - Safety Shutter 36 way Auxiliary Isolating contacts - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A - Rectifier (24V DC supply)

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)
- Microprocessor Release - Auxiliary Switch 5a 5b i.e 5NO+5NC - Main CTs - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A - Power Supply Module	- Microprocessor Release - Auxiliary Switch 5a5b i.e. 5NO+5NC - Main CTs - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A - Power Supply Module	- Microprocessor Release - Auxiliary Switch 7a 7b i.e. 7NO+7NC - Main CTs - Safety Shutter - 36 way Auxiliary Isolating contacts - Safety Shutter - 36 way Auxiliary Isolating contacts - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A - Power Supply Module	- Microprocessor Release - Auxiliary Switch 7a 7b i.e. 7 NO+7 NC - Main CTs - Safety Shutter - 36 way Auxiliary Isolating contacts - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for electrical operation - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A - Power Supply Module

LT Air Circuit Breaker fitted with Intelligent Release MicroPro 4.1

Fixed 3 Pole					Fixed 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)		Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MF	*EF				*MF	*EF
630	50kA	☒ AHA06N3P*MP4.1(S)	79530	108490	630	50kA	☒ AHA06N4P*MP4.1(S)	101830	140090
800	50kA	☒ AHA08N3P*MP4.1(S)	84990	114410	800	50kA	☒ AHA08N4P*MP4.1(S)	107840	144000
1000	50kA	☒ AHA10N3P*MP4.1(S)	85430	118120	1000	50kA	☒ AHA10N4P*MP4.1(S)	111190	148140
1000	50kA	☒ AH10DCSMP4.1*(S)	POR	POR	1000	50kA	☒ AH10D4CSMP4.1*(S)	POR	POR
1250	50kA	☒ AHA12N3P*MP4.1(S)	108160	132810	1250	50kA	☒ AHA12N4P*MP4.1(S)	139690	173400
1250	50kA	☒ AH12DCSMP4.1*(S)	POR	POR	1250	50kA	☒ AH12D4CSMP4.1*(S)	POR	POR
1600	50kA	☒ AHA16N3P*MP4.1(S)	116920	147590	1600	50kA	☒ AHA16N4P*MP4.1(S)	149980	185770
1600	50kA	☒ AH16DCSMP4.1*(S)	POR	POR	1600	50kA	☒ AH16D4CSMP4.1*(S)	POR	POR
2000	50kA	☒ AHA20N3P*MP4.1(S)	133320	177780	2000	50kA	☒ AHA20N4P*MP4.1(S)	176270	220130
2000	50kA	☒ AH20DCSMP4.1*(S)	POR	POR	2000	50kA	☒ AH20D4CSMP4.1*(S)	POR	POR
2500	50kA	☒ AHA25N3P*MP4.1(S)	153730	201360	2500	50kA	☒ AHA25N4P*MP4.1(S)	205730	249060
2500	50kA	☒ AH25DCSMP4.1*(S)	POR	POR	2500	50kA	☒ AH25D4CSMP4.1*(S)	POR	POR
2000	65kA	☒ AHA20S3P*MP4.1(S)	148770	196480	2000	65kA	☒ AHA20S4P*MP4.1(S)	196820	241210
3200	65kA	☒ AH30DCSMP4.1*(S)	237360	276130	3200	65kA	☒ AH30D4CSMP4.1*(S)	294900	335850
4000	85kA	☒ AH40DCSMP4.1*(S)	373660	405320	4000	85kA	☒ AH40D4CSMP4.1*(S)	442780	504210

Drawout 3 Pole					Drawout 4 Pole				
Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)		Rating (Amps)	Breaking Capacity Icu=Ics=Icw (1sec)	Reference	List Price (₹)	
			*MD	*ED				*MD	*ED
630	50kA	AHA06N3P*MP4.1(S)	113550	147890	630	50kA	AHA06N4P*MP4.1(S)	148340	184800
800	50kA	AHA08N3P*MP4.1(S)	119790	149450	800	50kA	AHA08N4P*MP4.1(S)	158470	191020
1000	50kA	AHA10N3P*MP4.1(S)	127740	154810	1000	50kA	AHA10N4P*MP4.1(S)	161790	197460
1000	50kA	AH10DCSMP4.1*(S)	POR	POR	1000	50kA	AH10D4CSMP4.1*(S)	POR	POR
1250	50kA	AHA12N3P*MP4.1(S)	142880	166740	1250	50kA	AHA12N4P*MP4.1(S)	189180	216230
1250	50kA	AH12DCSMP4.1*(S)	POR	POR	1250	50kA	AH12D4CSMP4.1*(S)	POR	POR
1600	50kA	AHA16N3P*MP4.1(S)	159500	189750	1600	50kA	AHA16N4P*MP4.1(S)	205370	235900
1600	50kA	AH16DCSMP4.1*(S)	POR	POR	1600	50kA	AH16D4CSMP4.1*(S)	POR	POR
2000	50kA	AHA20N3P*MP4.1(S)	188980	220670	2000	50kA	AHA20N4P*MP4.1(S)	252870	279070
2000	50kA	AH20DCSMP4.1*(S)	POR	POR	2000	50kA	AH20D4CSMP4.1*(S)	POR	POR
2500	50kA	AHA25N3P*MP4.1(S)	228220	254220	2500	50kA	AHA25N4P*MP4.1(S)	290590	326020
2500	50kA	AH25DCSMP4.1*(S)	POR	POR	2500	50kA	AH25D4CSMP4.1*(S)	POR	POR
2000	65kA	AHA20S3P*MP4.1(S)	217010	253450	2000	65kA	AHA20S4P*MP4.1(S)	282690	317650
3200	65kA	AHA30S3P*MP4.1(S)	300760	323040	3200	65kA	AHA30S4P*MP4.1(S)	364220	386240
3200	65kA	AH30DCSMP4.1*(S)	POR	POR	3200	65kA	AH30D4CSMP4.1*(S)	POR	POR
4000	65kA	☒ AHA40S3P*MP4.1(S)	384860	409770	4000	65kA	☒ AHA40S4P*MP4.1(S)	460390	481320
4000	85kA	☒ AH40DCSMP4.1*(S)	414800	433320	4000	85kA	☒ AH40D4CSMP4.1*(S)	498670	518940
5000	85kA	☒ AH50CCSMP4.1*(S)	POR	POR	5000	85kA	☒ AH50C4CSMP4.1*(S)	POR	POR
6300	100kA	☒ AH60CCSMP4.1*(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:

- In TP ACB if Earth Fault facility is required, add price of Neutral CTs from item no. 4.1 on page 22.
- 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
- Drawout type ACB with vertical terminal (factory fitted only) is available in ratings 8D-16D/06N-20S (AHA)
- 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)
- Thermal Magnetic Release - Auxiliary Switch 5a 5b.i.e 5NO+5NC - Main CTs - Shunt Trip - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A	- Thermal Magnetic Release - Auxiliary Switch 5a 5b.i.e 5NO+5NC - Main CTs - AC/DC Charging Motor - Closing Coil - Anti-pumping Relay - Micro Switches as required for electrical operation - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A	- Thermal Magnetic Release - Auxiliary Switch 5a 5b.i.e 5NO+5NC - Main CTs - Safety Shutter 24 way Auxiliary Isolating contacts - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A	- Thermal Magnetic Release - Auxiliary Switch 7a 7b.i.e 7NO+7NC - Main CTs - Safety Shutter 36 way Auxiliary Isolating contacts - AC/DC Charging Motor - Closing Coil - Shunt Trip - Anti-pumping Relay - Micro Switches as required for operation - Terminal Type - Horizontal upto 2500A & Vertical for 3200A-6300A

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:

- 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.
- 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
- 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
- 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 Icu=Ics=Icw (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 Icu=Ics=Icw (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	4285
2.11	40S	CS-EFR-40S3P	6940	CS-EFR-40S4P	
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	2060
4.2.9	12D / 12N	1250/5A	CS-ATB-134	CS-ATB-120	2330
4.2.10	16D / 16N	1600/5A	CS-ATB-164	CS-ATB-160	2675
4.2.11	20N/20S	2000/5A	CS-ATB-220	CS-ATB-220	
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	1040
		20D-40D/25N-40S	
6.2	10 way (5NO+5NC)	6D-16D/08N-20S	1550
		20D-40D/25N-40S / 50C-60C	
6.3	14 way (7NO+7NC)	6D-16D/06N-20S	2545
		20D-40D/25N-40S / 50C-60C	



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)	☒ LIFTER (580x600)*	91640
		☒ 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	☒ CUADPTR-VC(6D~8D)	1	3720
32.2	10D-12D & 12N	☒ CUADPTR-VC(10D~12D)	1	4545
32.3	16D & 16N-20S	☒ CUADPTR-VC(16D)	1	5485
32.4	20D-25D & 25N	☒ 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)	☒ DRMOULD-20S	2	975
20D	☒ DRMOULD-20D	2	1108
25D/30S (AHA)	☒ DRMOULD-25D	2	1360
30D/40S (AHA)	☒ DRMOULD-30D	1	2740
40D	☒ DRMOULD-40D	1	2835
50C-60C	☒ 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	3870
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	☐ 630 A	☐ 1000 A	☐ 1600 A	☐ 2500 A	☐ 4000 A	☐ 6300 A	QTY. (NOS.)
	☐ 800 A	☐ 1250 A	☐ 2000 A	☐ 3200 A	☐ 5000 A		
NO. OF POLES	☐ 3 POLE ☐ 4 POLE		Breaking capacity		Product Reference		
MOUNTING	☐ FIXED ☐ DRAWOUT ☐ 24/36 WAY AUX. ISOLATING CONTACT ASSLY. ☐ POSITION INDICATION SWITCH ☐ SHORT CIRCUIT CONTACTS _____ NOS / ACB						
OPERATION	☐ MANUAL ☐ ELECTRICAL CLOSING COIL: ☐ 110V AC ☐ 220~250V AC ☐ 415~440V AC ☐ 24V DC ☐ 48V DC ☐ 110V DC ☐ 220V DC SHUNT TRIP COIL: ☐ 110V AC ☐ 220~250V AC ☐ 415~440V AC ☐ 24V DC ☐ 48V DC ☐ 110V DC ☐ 220V DC MOTOR: ☐ 110V AC ☐ 220V AC ☐ 110V DC ☐ 220V DC						
RELEASES	☐ WITHOUT RELEASE						
	MICROPROCESSOR RELEASE		UNLESS & OTHERWISE SPECIFIED, ALL SETTINGS OF RELEASES WOULD BE SET AT MINIMUM VALUES.				
	☐ MicroPro 3.1 ☐ MicroPro 4.1 ☐ MicroPro 5.1						
	☐ COMMUNICATION MODULE* (ModBus Protocol) ☐ POWER SUPPLY MODULE ☐ BATTERY UNIT* ☐ RECTIFIER*						
		SETTINGS : CT RATING _____ A, SHORT CIRCUIT _____ A, OVERLOAD _____ A, INSTANTANEOUS _____ A GROUND FAULT _____ A, Neutral _____ A					
		☐ THERMAL MAGNETIC EARTHFAULT REQD. ☐ NOT REQD. ☐ SHUNT TRIP _____ V AC/ _____ V DC (220V AC SHUNT TRIP IS PROVIDED AS STANDARD) REQUIRED CT RATING _____ 5 A NCT RATING _____ 5 A SETTING OF NON-ADJ. MAG. INST. TRIP _____ KA					
ACCESSORIES	☐ AUX. SW. 3 NO + 2 NC ☐ TRIP IND. SWITCH ☐ POSITION IND. SWITCH ☐ UVT. ☐ 110V AC ☐ 220~250V AC ☐ 415~440V AC ☐ 110V DC ☐ 220V DC ☐ (WITHOUT TIME DELAY) ☐ AUX. SW. 5 NO + 5 NC ☐ OCR ALARM SWITCH ☐ CASTLE KEY INTERLOCK ☐ KEY INTERLOCK ☐ 2 ACBs ☐ 3 ACBs ☐ AUX. SW. 7 NO + 7 NC ☐ SPRING CHARGE IND. SWITCH ☐ MECH. OPERATION COUNTER ☐ MECHANICAL INTERLOCK HOR. ☐ VER. ☐ ☐ DOOR INTERLOCK						
SPECIAL REQUIREMENT/ ACCESSORIES (IF ANY)							

Notes: (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)