

Efficient Partner in Power Distribution & Protection



WiNmaster 3

Air Circuit Breaker

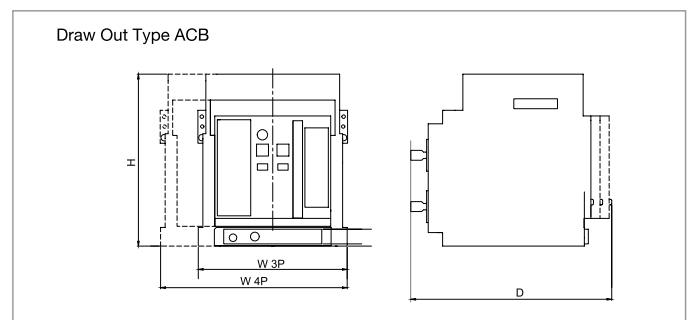
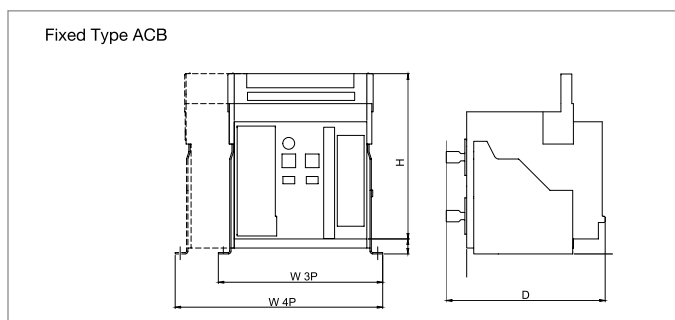
- Rated Operational Voltage upto 800V
- Breaking Capacity upto 100kA
- **Optimized Size** - Uniform Height & Depth across the Frame
- **Quick** - Fastest Opening & Closing Time
- **Truly Modular** - Front Accessible Accessories & SIC
- **Universal Termination** - Terminal orientation convertible as Horizontal / Vertical on site
- No Derating upto 50°C
- Intelligent Micropro3 Release Family
- Multiple Parameter Measurement
- **Condition Monitoring** - Contact Wear Indication, 20 Trip History

We touch your **electricity** everyday!

Technical Characteristics

			FRAME-1							FRAME-2								
Rated Current (A)	In	at 40°C	630A	800A	1000A	1250A	1600A	2000A	2500A	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	
Neutral Pole	100% In									100% In								
Rated Frequency	50/60									50/60								
Mounting Type	Fixed / Drawout									Fixed / Drawout								
Number of Poles	3P, 4P									3P, 4P								
Rated Insulation Voltage (V)	Ui	V	1250							1250								
Impulse Withstand Voltage (kV)	Uimp	kVp	12							12								
Rated Operational Voltage (V ac 50/60 Hz)	Ue		800							800								
Suitability for Isolation	Yes									Yes								
Degree of Pollution	3									3								
Breaking Capacity				N		S		L			H							
Rated Ultimate Breaking Capacity (kA rms)	Icu	415V ac	50 kA*		65 kA [#]		80 kA			100 kA								
		690V ac	36 kA*		42 kA [#]		50 kA			65 kA								
		800V ac	42 kA									50 kA						
Rated Service Breaking Capacity (kA rms)	Ics	415V ac	100%									100%						
		690V ac																
		800V ac																
Rated Short-time Withstand Current (kA rms)	Icw for 1s	415V ac	50 kA		65 kA		65 kA			80kA								
		690V ac	36 kA		42 kA		50 kA			65kA								
		800V ac	42kA									50kA						
Utilisation Category	B									B								
Opening Time	25 msec									25 ms								
Closing Time	60 msec (max)									60 msec (max)								
Service Life-Mechanical	with maintenance		20000							15000								
Service Life-Electrical	with maintenance		20000							15000								
	without maintenance		10000							5000								
Termination Type	Universal									Universal								
EMI / EMC Test (As per IEC 60947-2)																		
Annexure H	Circuit Breakers suitable for IT Systems																	
Annexure F	Verification of electronic over current release																	
Dimension (mm) (W x H x D)	Fixed	3Pole	362 x 397 x 347							424 x 397 x 347								
		4Pole	457 x 397 x 347							539 x 397 x 347								
	Drawout	3Pole	377 x 433 x 467							435 x 433 x 467 (D=567 for 4000A)								
		4Pole	472 x 433 x 467							550 x 433 x 467 (D=567 for 4000A)								

*630A-1250A #630A-1600A



Protection and Control Units

- Micropro3 - 3.1
- Micropro3 - 4.1
- Micropro3 - 5.1
- Micropro3 - 7.1



Micropro3-3.1	Micropro3-4.1	Micropro3-5.1	Micropro3-7.1
Basic LSIG & Neutral Protection	Basic LSIG & Neutral Protection	Basic LSIG & Neutral Protection	Basic LSIG; Neutral & Advance Protection
MCR & HSISC Protection	MCR & HSISC Protection	MCR & HSISC Protection	MCR & HSISC Protection
Thermal Memory for LT & ST	Thermal Memory for LT & ST	Thermal Memory for LT & ST	Thermal Memory for LT & ST
-	Last 20 Trip History	Last 20 Trip History	Last 10 Trip History & 10 Event History
*Remote Reset	*Remote Reset	*Remote Reset	*Remote Reset
-	Single Digital Display	Two Digital Display	LCD Display
Trip Unit Healthy Indication	Trip Unit Healthy Indication	Trip Unit Healthy Indication	Trip Unit Healthy Indication
Self Diagnostics in Test Mode.	Self Diagnostics in Test Mode.	Self Diagnostics in Test Mode.	Self Diagnostics in Test Mode
Self Powered and Compatible with External Auxiliary Power Supply with AC or DC input	Self Powered and Compatible with External Auxiliary Power Supply with AC or DC input	Self Powered and Compatible with External Auxiliary Power Supply with AC & DC input	Self Powered and Compatible with External Auxiliary Power Supply with AC & DC input
LED Indication for Load Current in percentage	Current Measurement.	Current, Voltage, Power, Frequency, and Power factor Measurement	Current, Voltage, Power, Frequency, Energy, Power factor, Harmonics, Power Demand, Current Demand
*Optional feature			Modbus Protocol, ZSI
			Contact wear Indication in percentage
			Total No. of Operations performed
			Bar Representation for Input Current and Voltage on Home Screen

Accessories

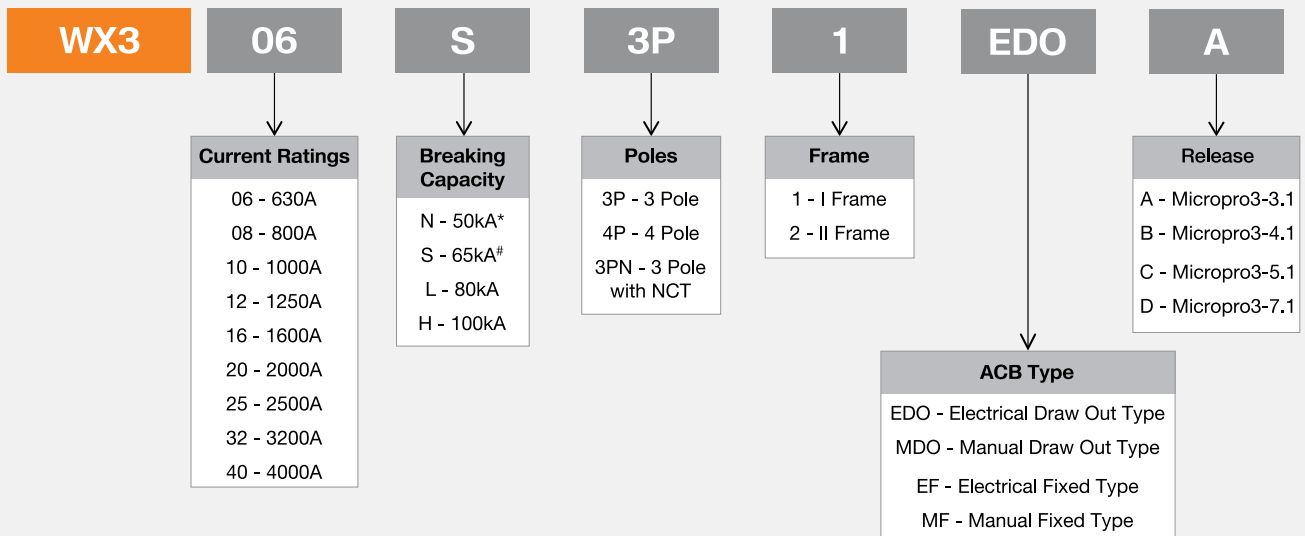
MECHANICAL ACCESSORIES

- Mechanical Interlock
 - Keylock
 - Cable Interlock
- Panel door ingress seal (for IP54 Protection)
- Door Interlock
- Phase Barrier
- Mechanical Operation Counter
- Electrical Position Indicator

AUXILIARIES FOR REMOTE OPERATION

- Electrical Spring Charging Device (Motor)
- Opening Release, Closing Release (Continuous Rated Type)
- Under Voltage Release (with / without Time Delay Module)
- Remote reset for Microprocessor Release

ACB WiNmaster3 - Ordering Information



*630A~1250A #630A~1600A



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