



Space-Saving Circuit Protection

UMBW Series Miniature Circuit Breakers

Space-saving circuit protection solutions for various industrial applications. WEG offers UL1077 and UL489 UMBW series thermal-magnetic miniature circuit breakers available in 1, 2, 3 poles and B, C, D trip curves from 1A to 63A. The wide range of accessories makes UMBW breakers suitable for a variety of applications.



UL 489 UL File No. E468810
UL 1077 UL File No. E468808

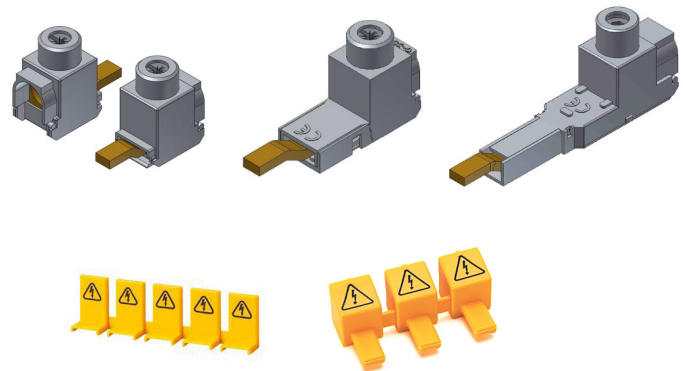


Standard Features

- 1, 2, 3 poles and B, C, D trip curves available
- AC and DC voltages available in one series
- Compact 17.5mm width per pole
- DIN rail mountable
- Alarm and vision status indication
- Positive trip-free snap action mechanism to ensure reliable switching
- Cutable bus bar connecting system

Wide Range of Accessories

- Auxiliary contact blocks
- Bell alarms for visual and alarm indication
- Shunt trip release
- Bus bars



BusBar Accessories



Auxilliary Contacts



Miniature Circuit Breakers – UMBW Series

Mechanical Ratings

Tripping Curves	B,C,D
Number of Poles	1,2,3
Mounting Position	Vertical, Horizontal
Torque	2 Nm, 1.48 ft lbs Maximum
Cable Cross Section	35mm sq, 2 Awg Maximum
Ambient Temperature	-35 deg C to +70 deg C
Mass	UL1077 - 116 grams per pole
	UL489 - 131 grams per pole
Protection Class	IP20
Mechanical Operations	10,000
Vibration (sinusoidal)	+/- .38mm (10-57HZ), 5g
Test to IEC 60060-2-6	(57-500HZ)
Test to Fc	10 frequency cycles per axis
Shock Test to IEC60068-2-27, Test Ea	30g (11ms)
Corrosion Test to IEC60068-2-11 Test Ka	96hrs in 5% salt mist
Humidity Test to IEC60068-2-78 Test Cab	48hrs at 95% RH, Temp +40 deg C
Terminals	Screw with Bus Bar Connections

Electrical Ratings

Approval	Poles	Voltage	Ampacity	Interrupting
UL1077 E468808	1 Pole	240VAC	1A - 63A	7.5kA
	1 Pole	277VAC	1A - 63A	5kA
	2,3 Pole	240VAC	1A - 63A	5kA
	2, 3 Pole	277/480Y VAC	1A - 63A	5kA
	1 Pole	60VDC - pending	1A - 63A	7.5kA
	2 Pole	125VDC - pending	1A - 63A	7.5kA
UL489 E468810	1 Pole	120VAC	1A - 63A	10kA
	2, 3 Pole	240VAC	1A - 63A	10kA
	1 Pole	277VAC	1A - 20A	10kA
	2, 3 Pole	277/480Y VAC	1A - 20A	10kA
	1 Pole	60VDC	1A - 63A	10kA
	2 Pole	125VDC	1A - 63A	10kA
IEC 60947-2	1 Pole	230VAC	1A - 63A	10kA
	2, 3 Pole	400VAC	1A - 63A	10kA



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