Altech Corp.

Lines of Miniature Circuit Breakers

Your Source for Automation & Control Components



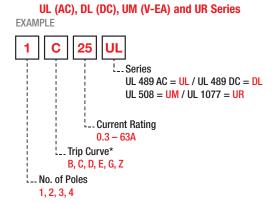
In today's very competitive marketplace you need reliability, so you need to use circuit breakers that are high quality and technically correct for your application. Altech is a US leader in DIN rail mounted breakers with ratings up to 63A. Only Altech offers DIN rail mounted breakers that meet UL489, UL508 or UL1077 approvals with a short circuit interrupt capacity of up to 10kA.

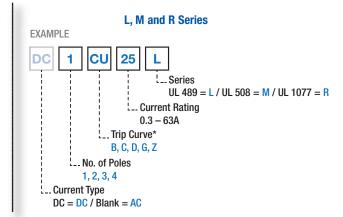
Overview of Physical Attributes of Our Lines



L, M and R Series 1 Strong thermoplast housing. 2 Strong terminal barriers. 3 Spring action DIN Rail clips for both top and bottom. 4 Removable circuit identification tag. ON 5 Indicator window. OFF 6 Trip curve (D) and amperage (15A) D15 window display.

Ordering Part Builder





^{*} Trip curves available depend on circuit breaker series.

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UL (AC), DL (DC) Series UL489



L Series, AC or DC UL489



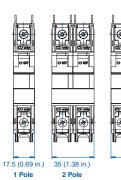


Current/ Voltage Rating

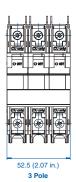
Current/ Voltage Rating	L329310	E303310
AC Version (one device - dual voltage ratings) DC Version	0.3 - 63A/ 240V AC, 0.3-32A/ 480Y/277V AC 0.3 - 63A/ 125/ 250V DC	0.2-63A/ 240V AC, 0.2-32A/ 480Y/277VAC 0.2-63A/ 125/ 250V DC
Poles	1, 2, 3 (4 poles available upon request.)	1, 2, 3 (4 poles available upon request.)
Trip Characteristics	C, D; AC and DC	C, D; AC and DC
Interrupting Capacity	10kA	10kA
Calibration Temperature	40°C (104°F)	40°C (104°F)
Ambient Temperature	-25°C to 55°C (-13°F to 131°F)	-25°C to 60°C (-13°F to 140°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)	-25°C to 75°C (-13°F to 167°F)
Terminal Size Acceptability and Terminal Torque	Top: 18-3 AWG; Bottom: 18-2 AWG 2.0 Nm (17.7lb.in.)(min) / 2.5Nm (22.2lb.in)(max)	14-3 AWG: 17.7 lb-in. (2.0 Nm) 18-16 AWG: 25 lb-in.(2.8 Nm)
Electrical Life	6,000 switching cycles ON/ OFF	6,000 switching cycles ON/ OFF
Mechanical Life	10,000 switching cycles ON/ OFF	10,000 switching cycles ON/ OFF
Terminal Protection Degree	IP20	IP20 at front
Mounting Orientation	In any plane	In any plane
Accessories	 Auxiliary Contact, Alarm Switch Shunt Trip Neutral Pole Lock-out Adapter Touch Protection Caps Cooling Spacer Mounting Screw 34mm 	 Auxiliary Contact Shunt Trip Neutral Pole Undervoltage Trip Front Mounting Kit with hardware Lock-out Adapter

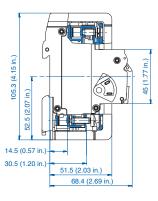
Dimensions

UL (AC), DL (DC) Series

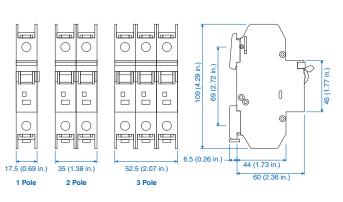


UP FOO





L Series



Manual Motor Controllers "Suitable as Motor Disconnect"

UM (V-EA) Series UL508



M Series UL508



Current/ Voltage Rating

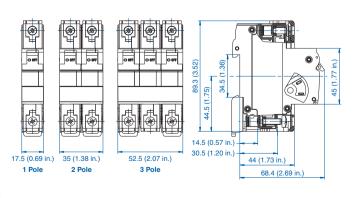
Current/ voltage Rating		
AC Version	0.3-60A/ 480Y/ 277V AC	0.5-63A / 480Y/ 277V AC
DC Rating	0.3-25A: 1 pole - 42V DC; 2 Pole - 80V DC 30-60A: 1 pole - 24V DC; 2 Pole - 60V DC	
Poles	1, 2, 3 (4 poles available upon request.)	1, 2, 3 (4 poles available upon request.)
Trip Characteristics	B, C, D, E, G, Z	B, C, D, (G & Z Pending)
Short Circuit Withstand Rating (UL/CSA - Ratings)	0.3-60A (RC): 10kA with UL-listed RK5 back-up fuse or MCCB	0.5-6A (RC): 10kA with no back-up fuse 8-63A (RC): 10kA with UL-listed Class J back-up fuse; 5kA with no back-up fuse
Calibration Temperature	40°C (104°F)	30°C (86°F)
Ambient Temperature	-25°C to 55°C (-13°F to 131°F)	-25°C to 60°C (-13°C to 140°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)	-25°C to 75°C (-13°C to 167°F)
Terminal Size Acceptability and Terminal Torque	Top: 18-3 AWG; Bottom: 18-2 AWG 2.0 Nm (17.7 lb.in.)(min) / 2.5Nm (22.2 lb.in)(max)	14-3 AWG: 17.7 lb-in. (2.0 Nm) 18-16 AWG: 25 lb-in. (2.8 Nm)
Terminal Protection Degree	IP20	IP20
Mounting Orientation	In any plane	In any plane
Horsepower Ratings	see catalog	see catalog
Accessories	Auxiliary Contact, Alarm SwitchShunt TripNeutral PoleLock-out Adapter	Auxiliary ContactShunt TripNeutral PoleLock-out Adapter

Dimensions

UM (V-EA) Series

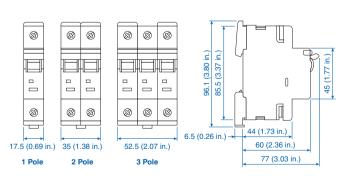
· Touch Protection Caps

· Cooling Spacer · Mounting Screw 34mm



M Series

· Front Mounting Kit with hardware





UP TO A

UR Series UL1077



R Series UL1077

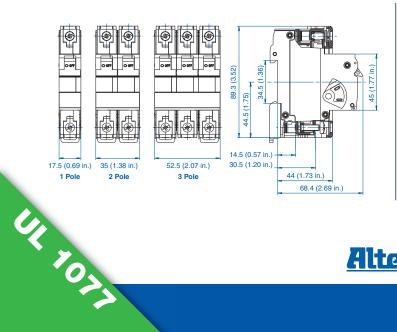


Current/ Voltage Rating

Current/ Voltage Rating		
AC Version	0.5-60A / 480Y/ 277V AC	0.5-63A / 480Y/ 277V AC
Poles	1, 2, 3 (4 poles available upon request.)	1, 2, 3 (4 poles available upon request.)
Trip Characteristics	B, C, D	B, C, D
Short Circuit Withstand Rating	0.3-60A (RC): 10kA with UL-listed RK5 back-up fuse or MCCB	0.5-6A (RC): 10kA with no back-up fuse 8-63A (RC): 10kA with UL-listed Class J back-up fuse; 5kA with no back-up fuse
Calibration Temperature	30°C (86°F)	30°C (86°F)
Ambient Temperature	-25°C to +55°C (-13°F to 131°F)	-25°C to 60°C (-13° to 140°F)
Storage Temperature	-40°C to +70°C (-40°F to 158°F)	-25°C to 75°C (-13° to 167°F)
Terminal Size Acceptability and Torque	Top: 18-3 AWG; Bottom: 18-2 AWG 2.0 Nm (17.7 lb.in.)(min) / 2.5Nm (22.2 lb.in)(max)	14-3 AWG: 17.5 lb-in. (2.0 Nm) 18-16 AWG / 25 lb-in.(2.8 Nm)
Electrical Life	6,000 switching cycles ON/ OFF	6,000 switching cycles ON/ OFF
Mechanical Life	10,000 switching cycles ON/ OFF	10,000 switching cycles ON/ OFF
Terminal Protection Degree	IP20	IP20 at front
Mounting Orientation	In any plane	In any plane
Accessories	 Auxiliary Contact, Alarm Switch Shunt Trip Neutral Pole Lock-out Adapter Touch Protection Caps Cooling Spacer Mounting Screw 34mm 	Auxiliary ContactShunt TripNeutral PoleLock-out Adapter

Dimensions

UR Series



R Series

