MINIATURE CIRCUIT BREAKERS



c3controls offers a comprehensive line of **Miniature Circuit Breakers** designed and manufactured to meet the needs of the machine builder. We promise durable products at a price that gives you an edge, and we guarantee same-day shipping. Check out all the features of our Series 1100 Miniature Circuit Breakers below!

DELIVERING SUPERIOR PRODUCT QUALITY AND MANUFACTURING EXCELLENCE

√ Proven	Our Series 1100 Miniature Circuit Breakers are UL Listed and Recognized, and CE marked to meet global standards requirements and are compliant to the RoHS directives.
√ Compact Design	17.5mm wide per pole construction for reduced panel size, allowing for smaller control panels.
✓ Easy to Install	35mm DIN rail mounting for fast and easy installation and removal.
√ Visible Markings	High visibility labels and markings; product part number, amperage, and UL & IEC short circuit ratings can be seen from the front and side of the device for easy identification.
√ Added Safety	Line and load side IP20 guarded finger-safe terminals prevent accidental contact with live parts, while allowing ring, fork, and bare wire connections.
Limited Lifetime Warranty*	Every product is backed by our lifetime warranty—unmatched in the industry—bringing you quality components that perform in the most demanding applications.
Guaranteed Same-Day Shipping*	Product availability reduces inventory, and improves cash-flow—saving you money. With c3controls any order for standard catalog items received by 6:00pm ET is guaranteed to ship same-day.
✓ Advantage Pricing	Our approach to product development, manufacturing, and focus on servicing the OEM and Electrical Equipment Builder reduces cost. The result—the best value in the industry.





UNIQUE FEATURES

Full Range Circuit Protection

 Available in single pole, single pole + neutral, two pole, three pole, and three pole + neutral constructions and includes both thermal and magnetic trip elements for overload and short circuit protection.

Industry-Leading Short Circuit Rating

 10kA @480Y/277V short circuit current rating on all multipole constructions – the highest interruption rating available in the market.

Trip-Free Design

 Holding the operating handle in the ON position will not prevent the miniature circuit breaker from tripping.

Easy Wiring

 Captive screws make it impossible to lose screws when wiring and our box lug design terminals will accept a widerange of copper wire sizes. Line/load wiring is reversible for ease of use.

Visible Markings & Status Indication

 High visibility labels and markings can be seen from the front and side of the device for easy installation. Color-coded status window for clear visual of the breaker status.





MINIATURE CIRCUIT BREAKERS

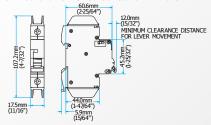
SPECIFICATIONS

	UL 489 E	BRANCH CI	RCUIT BREA	KERS			
	UNITS	1 POLE	1 + N POLE	2 POLE	3 POLE	3 + N POLE	
ELECTRICAL GENERAL							
Rated Operating Current	А			0.5 ~ 63			
Operating Frequency	Hz	50/60					
Electrical Life	Ops.	6,000					
Line/Load Wiring		Suitable for reverse feed					
ELECTRICAL UL/CSA A	PPI ICAT	TIONS					
Conformity to Standards	LICIT	10113	clllus II	II 489 CSA C	22.2 No. 5		
AC Rated Operating Voltage	V	cULus, UL 489, CSA C22.2 No. 5 277 480Y/277					
DC Rated Operating Voltage				0.6	1001,211		
(wired in series)	V		48	96		_	
MAXIMUM SHORT CIRCUIT RATING							
@ 120 VAC	kA			10			
@ 240 VAC	kA			10			
@ 277 VAC	kA			10			
@ 480Y/277 VAC	kA			10	1		
@ 48 VDC	kA	10	10	10	_	_	
@ 96 VDC (wired in series)	kA	_		10			
ELECTRICAL IEC APPLI	CATION	5					
Conformity to Standards			IEC 6	50947-2, IEC 6	50898		
ULTIMATE SHORT CIRCUIT							
BREAKING CAPACITY (Icu)	1.1						
@ 240 VAC	kA			15			
@ 415 VAC	kA			15			
RATED SERVICE SHORT CIRCUIT Breaking Capacity (ICS)							
@ 240 VAC	kA			10			
@ 415 VAC	kA			10			
CONSTRUCTION - CON		D CIZE		10			
	AWG	K SIZE		1 !! 1 4 !! 2			
UL/CSA	mm ²			1 x #14 ~ #3			
Solid, Stranded, Fine Stranded							
				1 x 2.08 ~ 26.			
ROHS COMPLIANCE	For RoHS		locumentation by	y product, refe		ntrols.com.	
ROHS COMPLIANCE	For RoHS	UPPLEMEN	locumentation by	y product, refe	r to www.c3cor		
ROHS COMPLIANCE	For RoHS		locumentation by	y product, refe			
ROHS COMPLIANCE	For RoHS JL 1077 SI UNITS	UPPLEMEN	locumentation by	y product, refe	r to www.c3cor		
ROHS COMPLIANCE	For RoHS JL 1077 SI UNITS	UPPLEMEN	locumentation by	y product, refe	r to www.c3cor		
ROHS COMPLIANCE LECTRICAL GENERAL Rated Operating Current	For RoHS JL 1077 SI UNITS	UPPLEMEN	locumentation by	y product, refe ECTORS 2 POLE	r to www.c3cor		
ROHS COMPLIANCE LELECTRICAL GENERAL	For RoHS JL 1077 SI UNITS A	UPPLEMEN	locumentation by	y product, refe ECTORS 2 POLE 0.5 ~ 63	r to www.c3cor		
ROHS COMPLIANCE L ELECTRICAL GENERAL Rated Operating Current Operating Frequency	For RoHS JL 1077 SI UNITS A Hz	UPPLEMEN	ITARY PROTE 1 + N POLE	y product, refe ECTORS 2 POLE 0.5 ~ 63 50/60	3 POLE		
ROHS COMPLIANCE LECTRICAL GENERAL Rated Operating Current Operating Frequency Electrical Life Line/Load Wiring	For RoHS JL 1077 S UNITS A Hz Ops.	UPPLEMEN 1 POLE	ITARY PROTE 1 + N POLE	y product, refe ECTORS 2 POLE 0.5 ~ 63 50/60 6,000	3 POLE		
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ROHS COMPLIANCE ELECTRICAL GENERAL Rated Operating Current Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards	For RoHS JL 1077 S UNITS A Hz Ops.	1 POLE	ITARY PROTE 1+NPOLE Suita	y product, refe ECTORS 2 POLE 0.5 ~ 63 50/60 6,000	a POLE e feed		
ELECTRICAL GENERAL Rated Operating Current Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage	For RoHS JL 1077 S UNITS A Hz Ops. PPLICA	1 POLE	Suita cURus, UL 277	y product, refee CTORS 2 POLE 0.5 ~ 63 50/60 6,000 ble for revers 1077, CSA C2	a POLE s e feed 22.2 No. 235		
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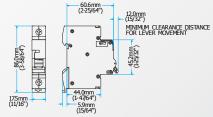
For complete ratings and detailed specifications refer to www.c3controls.com.

DIMENSIONS

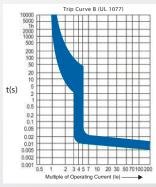
UL 489 Branch Circuit Breaker - 1 Pole

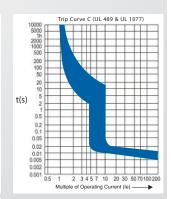


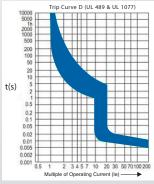
UL 1077 Supplementary Protector - 1 Pole



TRIP CURVES







CERTIFICATIONS

Conformity to Standards: UL 489 UL 1077 CSA C22.2 No. 5, No. 235 IEC 60947-2, IEC 60898

Certifications: UL File#: E496118 UL File#: E496119

CE Marked (per EU Low Voltage Directive 2006/95/EC and RoHS Directive 2011/65/EU)



Visit www.c3controls.com to download product certifications



















