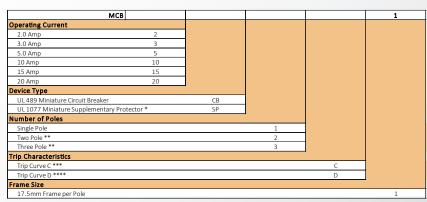
MINIATURE CIRCUIT BREAKERS PRODUCT PROFILE

ATC Diversified 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 UL489 & UL 1077 Miniature Circuit Breakers below!

DELIVERING SUPERIOR PRODUCT QUALITY AND MANUFACTURING EXCELLENCE

√ Proven	Our 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.			



* 3 Amp [3], 5 Apm [5], and 10 Amp [10] only

** 10 Amp [10], 15 Amp [15], 20 Amp [20], and UL 489 Miniature Circuit Breaker [CB] only

*** 2 Amp [2], 3 Amp [3], 5 Amp [5], 10 Amp [10], and Single Pole [1] only

**** 10 Amp [10], 15 Amp [15], 20 Amp [20], and UL 489 Miniature Circuit Breaker [CB] only



UNIQUE FEATURES

Full Range Circuit Protection

 Available in single pole, two pole, and three pole 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 CIRCUIT B	REAKERS			
	UNITS	1 POLE	2 POLE	3 POLE		
ELECTRICAL GENERAL						
Rated Operating Current	A		0.5 ~ 63			
Operating Frequency	Hz	50/60				
Electrical Life	Ops.		6,000			
Line/Load Wiring		Suitable for reverse feed				
ELECTRICAL UL/CSA A	PPLICAT	IONS				
Conformity to Standards			Lus, UL 489, CSA C22.2	No. 5		
AC Rated Operating Voltage	V	277	4	480Y/277		
DC Rated Operating Voltage	v	48	96	_		
wired in series)	•	10	,,,			
MAXIMUM SHORT CIRCUIT RATING	1.4	10				
@ 120 VAC @ 240 VAC	kA kA		10			
@ 240 VAC	kA	10				
@ 480Y/277 VAC	kA	10				
a 48 VDC	kA	10	10			
@ 96 VDC (wired in series)	kA	_	10	_		
ELECTRICAL IEC APPL		ς				
Conformity to Standards			IEC 60947-2, IEC 6089	8		
ULTIMATE SHORT CIRCUIT BREAKING CAPACITY (Icu)			2,122,000	- 		
a 240 VAC	kA		10			
@ 415 VAC	kA		10			
RATED SERVICE SHORT CIRCUIT			10			
BREAKING CAPACITY (Ics)						
@ 240 VAC	kA		10			
@ 415 VAC	kA		10			
CONSTRUCTION - CON	IDUCTO	R SIZE				
JL/CSA	AWG		1 x #14 ~ #3			
Solid, Stranded, Fine Stranded	mm ²		1 x 2.08 ~ 26.7			
ROHS COMPLIANCE						
	UL 1077 SI	JPPLEMENTARY P	ROTECTORS			
	UNITS	1 POLE	2 POLE	3 POLE		
ELECTRICAL GENERAL						
Pated Operating Current	A		0.5 ~ 63			
narea Oberatina Cuffent						
	Hz		50/60			
Operating Frequency	Hz Ops.		50/60 6,000			
Operating Frequency Electrical Life	Hz Ops.			ed		
Operating Frequency Electrical Life Line/Load Wiring	Ops.	IONS	6,000	ed		
Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A	Ops.		6,000 Suitable for reverse fee			
Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards	Ops.		6,000 Suitable for reverse fee			
Operating Frequency Electrical Life .ine/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage DC Rated Operating Voltage	Ops. IPPLICAT	<u>c</u> URเ 277	6,000 Suitable for reverse fee Is, UL 1077, CSA C22.2 I	No. 235		
Operating Frequency Electrical Life _ine/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage OC Rated Operating Voltage wired in series)	Ops.	cUR	6,000 Suitable for reverse fee	No. 235		
Operating Frequency Electrical Life ine/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage OC Rated Operating Voltage wired in series) WAXIMUM SHORT CIRCUIT RATING	Ops. PPLICAT	<u>c</u> URเ 277	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 96	No. 235		
Derating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage OC Rated Operating Voltage wired in series) MAXIMUM SHORT CIRCUIT RATING @ 120 VAC	Ops. PPLICAT V V kA	<u>c</u> URเ 277	6,000 Suitable for reverse fee us, UL 1077, CSA C22.2 I 96 10	No. 235		
Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage DC Rated Operating Voltage wired in series) MAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 240 VAC	Ops. PPLICAT V V kA kA	<u>c</u> URเ 277	6,000 Suitable for reverse fee us, UL 1077, CSA C22.2 I 96 10 10	No. 235		
Deperating Frequency Electrical Life ine/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage DC Rated Operating Voltage wired in series) MAXIMUM SHORT CIRCUIT RATING 120 VAC 240 VAC 277 VAC	Ops. PPLICAT V V kA kA kA	<u>c</u> URเ 277	6,000 Suitable for reverse fee us, UL 1077, CSA C22.2 I 96 10 10 10	No. 235		
Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage DC Rated Operating Voltage (wired in series) MAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 240 VAC @ 240 VAC @ 277 VAC	Ops. PPLICAT V V kA kA kA kA	cURi 277 48	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 I 96 10 10 10 10 10	No. 235		
Deparating Frequency Electrical Life ine/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage OC Rated Operating Voltage wired in series) MAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 240 VAC @ 277 VAC @ 480Y/277 VAC @ 48 VDC	Ops. PPLICAT V V kA kA kA kA kA	<u>c</u> URเ 277	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 I 96 10 10 10 10 10 10	No. 235		
Deparating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage Oc Rated Operating Voltage wired in series) WAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 240 VAC @ 277 VAC @ 480Y/277 VAC @ 480Y/277 VAC @ 480YDC @ 96 VDC (wired in series)	Ops. PPLICAT V V V kA kA kA kA kA kA	cURi 277 48 10 —	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 I 96 10 10 10 10 10	No. 235		
Deparating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage Oc Rated Operating Voltage wired in series) WAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 240 VAC @ 240 VAC @ 480 V/277 VAC @ 480 V/277 VAC @ 480 VDC @ 96 VDC (wired in series) ELECTRICAL IEC APPL	Ops. PPLICAT V V V kA kA kA kA kA kA	cURi 277 48 10 —	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 I 96 10 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		
Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage DC Rated Operating Voltage (wired in series) MAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 240 VAC @ 240 VAC @ 277 VAC @ 480Y/277 VAC @ 480Y/277 VAC @ 480V/277 VAC @ 96 VDC (wired in series) ELECTRICAL IEC APPL Conformity to Standards ULTIMATE SHORT CIRCUIT	Ops. PPLICAT V V V kA kA kA kA kA kA	cURi 277 48 10 —	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 I 96 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		
Deperating Frequency Electrical Life ine/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage OC Rated Operating Voltage wired in series) MAXIMUM SHORT CIRCUIT RATING 240 VAC 240 VAC 2	Ops. PPLICAT V V kA kA kA kA kA kA kA kA kA	cURi 277 48 10 —	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 I 96 10 10 10 10 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		
Deperating Frequency Electrical Life ine/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage Oc Rated Operating Voltage wired in series) WAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 240 VAC @ 480V/277 VAC @ 480V/277 VAC @ 480V/277 VAC @ 480V/277 VAC @ 96 VDC (wired in series) ELECTRICAL IEC APPL Conformity to Standards ULTIMATE SHORT CIRCUIT SREAKING CAPACITY (Icu) @ 240 VAC	Ops. PPLICAT V V V kA kA kA kA kA kA kA kA	cURi 277 48 10 —	6,000 Suitable for reverse fee 15, UL 1077, CSA C22.2 1 96 10 10 10 10 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		
Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage DC Rated Operating Voltage (Wired in series) MAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 120 VAC @ 240 VAC @ 48 VDC @ 96 VDC (wired in series) ELECTRICAL IEC APPLL Conformity to Standards ULTIMATE SHORT CIRCUIT BREAKING CAPACITY (Icu) @ 240 VAC @ 240 VAC	Ops. PPLICAT V V kA kA kA kA kA kA kA kA kA	cURi 277 48 10 —	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 I 96 10 10 10 10 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		
Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage DC Rated Operating Voltage (wired in series) MAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 120 VAC @ 240 VAC @ 480 V/277 VAC @ 480 VAC @ 240 VAC @ 415 VAC RATED SERVICE SHORT CIRCUIT	Ops. PPLICAT V V V kA kA kA kA kA kA kA kA	cURi 277 48 10 —	6,000 Suitable for reverse fee 15, UL 1077, CSA C22.2 1 96 10 10 10 10 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		
Deperating Frequency Electrical Life ine/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage DC Rated Operating Voltage wired in series) MAXIMUM SHORT CIRCUIT RATING 2 120 VAC 2 240 VAC 2 247 VAC 2 480Y/277 VAC 2 480Y/277 VAC 2 480Y/277 VAC 2 480Y/277 VAC 2 480Y/277 VAC 2 480Y/277 VAC 2 96 VDC (wired in series) ELECTRICAL IECAPPL Conformity to Standards JUTIMATE SHORT CIRCUIT BREAKING CAPACITY (Icu) 2 40 VAC 2 415 VAC RATED SERVICE SHORT CIRCUIT BREAKING CAPACITY (Ics)	Ops. PPLICAT V V V kA kA kA kA kA kA kA kA	cURi 277 48 10 —	6,000 Suitable for reverse fee 15, UL 1077, CSA C22.2 1 96 10 10 10 10 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		
Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage DC Rated Operating Voltage (wired in series) MAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 240 VAC @ 240 VAC @ 48 VDC @ 48 VDC @ 48 VDC @ 48 VDC @ 96 VDC (wired in series) ELECTRICAL IEC APPL Conformity to Standards ULTIMATE SHORT CIRCUIT BREAKING CAPACITY (Icu) @ 240 VAC @ 415 VAC RATED SERVICE SHORT CIRCUIT BREAKING CAPACITY (Ics) @ 240 VAC	Ops. PPLICAT V V V kA kA kA kA kA kA kA kA kA kA	cURi 277 48 10 —	6,000 Suitable for reverse fee Is, UL 1077, CSA C22.2 I 96 10 10 10 10 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		
Deperating Frequency Electrical Life ine/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage OC Rated Operating Voltage wired in series) MAXIMUM SHORT CIRCUIT RATING 2 120 VAC 2 40 VAC 2 40 VAC 2 40 VAC 2 96 VDC (wired in series) ELECTRICAL IEC APPL Conformity to Standards UITIMATE SHORT CIRCUIT BREAKING CAPACITY (Ico) 2 40 VAC 2 415 VAC	Ops. PPLICAT V V V V KA kA kA kA kA kA kA kA kA kA	cURi 277 48 10 – S	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 I 96 10 10 10 10 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		
Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage (Wired in series) MAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 120 VAC @ 240 VAC @ 48 VDC @ 96 VDC (Wired in series) ELECTRICAL IEC APPL Conformity to Standards ULTIMATE SHORT CIRCUIT BREAKING CAPACITY (Icu) @ 240 VAC @ 415 VAC RATED SERVICE SHORT CIRCUIT BREAKING CAPACITY (Ics) @ 240 VAC @ 240 VAC @ 240 VAC @ 240 VAC	Ops. PPLICAT V V V V KA kA kA kA kA kA kA kA kA kA	cURi 277 48 10 – S	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 I 96 10 10 10 10 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		
Rated Operating Current Operating Frequency Electrical Life Line/Load Wiring ELECTRICAL UL/CSA A Conformity to Standards AC Rated Operating Voltage (wired in series) MAXIMUM SHORT CIRCUIT RATING @ 120 VAC @ 240 VAC @ 240 VAC @ 48 VDC @ 96 VDC @ 96 VDC @ 96 VDC Conformity to Standards ULTIMATE SHORT CIRCUIT BREAKING CAPACITY (Icu) @ 240 VAC @ 240 VAC @ 2415 VAC RATED SERVICE SHORT CIRCUIT BREAKING CAPACITY (Ics) @ 240 VAC @ 415 VAC CONSTRUCTION - COP UL/CSA Solid, Stranded, Fine Stranded	Ops. PPLICAT V V V kA kA kA kA kA kA kA kA kA kA	cURi 277 48 10 – S	6,000 Suitable for reverse fee is, UL 1077, CSA C22.2 I 96 10 10 10 10 10 10 10 10 10 10	No. 235 480Y/277 — — — — —		

