

Multi 9™ C60 Circuit Breakers

The Guiding System: miniature circuit breakers for variety of applications

The new series of Multi 9™ C60 miniature circuit breakers can be used in 480Y/277 VAC systems, making them ideal for many OEM and industrial applications. The circuit breakers carry the UL489 listing required for branch circuit applications. Previously, only UL 1077-listed supplementary protectors were rated for 480Y/277 VAC systems at the lowest amperages.

As a perfect option for fuse replacement, Multi 9 circuit breakers are available from 0.5A to 20A. They can be ordered with two types of terminals:

- Crimp-type ring terminal that accepts up to No. 8 AWG wire
- The two-barrel lug terminal with binding screws, which accepts No. 18 to No. 10 AWG wire

Both terminals provide fingersafe ingress protection per IP20 of IEC EN60529, reducing the potential of contact with live circuit breaker components.

What can Multi 9 C60 circuit breakers do for you?

- Simple installation – Compact, DIN-mounted format allows installation with bare wires or wires with ring tongue terminals
- Save time and money – No need to supply or install fuse holders, fuses, spares or blown fuse indicators
- No code violations – Eliminates confusion caused by using UL 1077 supplementary protectors when UL 489 branch circuit protection is required
- International markets – Dual UL 489 and IEC 60947-2 ratings qualify the circuit breakers for international applications. Also CE marked
- Quick return to service – Reset by throwing the breaker handle from “OFF” to “ON”; no need to find and install fuses



Where do you use Multi 9 C60 miniature circuit breakers?

- Industrial Machinery
- Industrial Controls and Automation
- Semiconductor Machines
- Conveying Equipment
- Food Processing
- Medical Equipment
- Packaging Equipment
- Power Supplies
- Printing Equipment
- Communication Equipment



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Product Specifications

Number of poles	1-, 2- and 3-poles
Ratings	0.5A through 20A
Magnetic trip curve setting (times ampere rating)	C-curve: 7 to 10 times ampere rating D-curve: 10 to 14 times
Connection, box lug	0.5–25 A: #18–#4 AWG (1–25 mm ²) cables; torque 22 lb-in. (2.48 N•m) 30–35 A: #18–#2 AWG (1–35 mm ²) cables; torque 31 lb-in. (3.52 N•m)
Connection, ring terminal	Use single UL Listed or CSA Certified insulated ring tongue only, with screw dia. 0.2 in. (5 mm); torque 18 lb-in. (2.03 N•m)
Mounting	Mounts on 35 mm DIN rail; only 18 mm wide per pole
Other	Plug-on auxiliary modules with mechanical linkage: MN under-voltage release; MX + OF shunt trip/auxiliary switch; OF auxiliary switch; SD alarm switch
Certifications	UL489 Listed; CSA C22.2 No. 5.1; IEC 60947-2; also CE Marked

Product Selection

Rating (A)	C-Curve — 7 to 10 times Ampere Rating			C-Curve — 7 to 10 times Ampere Rating		
	1 pole	2 pole	3 pole	1 pole	2 pole	3 pole
2-Barrel Wire Lug						
1	MGN61301	MGN61312	MGN61323	MGN61334	MGN61345	MGN61356
2	MGN61302	MGN61313	MGN61324	MGN61335	MGN61346	MGN61357
3	MGN61303	MGN61314	MGN61325	MGN61336	MGN61347	MGN61358
4	MGN61304	MGN61315	MGN61326	MGN61337	MGN61348	MGN61359
5	MGN61305	MGN61316	MGN61327	MGN61338	MGN61349	MGN61360
10	MGN61308	MGN61319	MGN61330	MGN61341	MGN61352	MGN61363
20	MGN61310	MGN61321	MGN61332	MGN61343	MGN61354	MGN61365
Ring-tongue Terminal (IP20)						
1	MGN61367	MGN61378	MGN61389	MGN61400	MGN61411	MGN61422
2	MGN61368	MGN61379	MGN61390	MGN61401	MGN61412	MGN61423
3	MGN61369	MGN61380	MGN61391	MGN61402	MGN61413	MGN61424
4	MGN61370	MGN61381	MGN61392	MGN61403	MGN61414	MGN61425
5	MGN61371	MGN61382	MGN61393	MGN61404	MGN61415	MGN61426
10	MGN61374	MGN61385	MGN61396	MGN61407	MGN61418	MGN61429
20	MGN61376	MGN61387	MGN61398	MGN61409	MGN61420	MGN61431

Note: See catalog for additional selection options.

For more information

Visit our Web site www.us.merlengerin.com. The following literature is available from your authorized Square D distributor or Schneider Electric sales office:

- Handout, document number 0860HO0401
- Catalog, document number 0860CT0201

For technical support, please call 888-SQUARED.

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