

UL 489 Multi 9™ C60 Miniature Circuit Breakers with 480Y/277 Vac Rating



**UL 489 Listed
Multi 9 C60
for 480Y/277
Applications**

A new series of UL 489 Listed Multi 9 C60 miniature circuit breakers can be used in 480Y/277 Vac systems. That makes them ideal for many OEM and industrial applications that previously required fuses.

With amperages from 0.5 A to 20 A, they are ideal for fuse replacement, yet carry the UL 489 Listing that is required for branch circuit applications. (Previously, only UL 1077 supplementary protectors were rated 480Y/277 Vac at the lowest amperages.)

These breakers are available with two types of terminals: The first terminal is suitable for use with crimp type ring terminals for up to #8 AWG. The second has a two-barrel lug with binding screws, which accepts up to two #10 AWG wires,

Both of these terminals provide fingersafe ingress protection per IP20 of IEC EN60529. This feature reduces the potential of incidental contact with live circuit breaker components.

Benefits to OEMs and Their Customers

- Satisfies customers' preferences to use circuit breakers instead of fuses
- Eliminates costs of spare fuses, blown fuse indicators, additional wiring, etc.
- Reduces concerns and uncertainty of misapplying a UL 1077 supplementary protector where a UL 489 branch circuit breaker is required
- Facilitates exports by providing one common design for UL 489, CSA and IEC applications
- Simplifies installation with a compact, DIN-mounted circuit breaker that accepts a wide range of accessories
- Offers alternatives for cable terminations with ring terminals or wire



Specifications

- 480Y/277 @10 kA (2-pole and 3-pole), 277 Vac @10 kA (1-pole)
- 0.5 A through 20 A
- 1-pole, 2-pole and 3-poles
- C-curve (7 to 10 times ampere rating) and D-curve (10 to 14 times) magnetic trip curves
- UL 486AB listed 2-barrel lug: #18 – #10 AWG (1-25 mm²) cables, copper only
 - torque for #18 to #16 AWG, stranded: 6 lb.-in. (0.68 Nm)
 - torque for #14 to #10 AWG, stranded or solid: 14 lb.-in. (1.6 Nm)
- Ring tongue screw: 0.2 in. (5 mm), torque 18 lb.-in. (2 Nm)
- Plug-on auxiliary modules with mechanical linkage:
 - MN undervoltage release
 - MX + OF shunt trip/auxiliary switch
 - OF auxiliary switch
 - SD alarm switch
- Mounts on 35 mm DIN rail
- Only 18 mm wide per pole
- UL 489 Listed; CSA C22.2 No. 5.1; also IEC 60947-2; CE marked

Ordering information

Rating (A)	C-Curve – 7 to 10 times Ampere Rating			D-Curve – 10 to 14 times Ampere Rating		
	1P	2P	3P	1P	2P	3P
2-Barrel Wire Lug						
0.5	MGN61300			MGN61333		
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
6	MGN61306	MGN61317	MGN61328	MGN61339	MGN61350	MGN61361
8	MGN61307	MGN61318	MGN61329	MGN61340	MGN61351	MGN61362
10	MGN61308	MGN61319	MGN61330	MGN61341	MGN61352	MGN61363
15	MGN61309	MGN61320	MGN61331	MGN61342	MGN61353	MGN61364
20	MGN61310	MGN61321	MGN61332	MGN61343	MGN61354	MGN61365
Ring-tongue Terminal (IP20)						
0.5	MGN61366			MGN61399		
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
6	MGN61372	MGN61383	MGN61394	MGN61405	MGN61416	MGN61427
8	MGN61373	MGN61384	MGN61395	MGN61406	MGN61417	MGN61428
10	MGN61374	MGN61385	MGN61396	MGN61407	MGN61418	MGN61429
15	MGN61375	MGN61386	MGN61397	MGN61408	MGN61419	MGN61430
20	MGN61376	MGN61387	MGN61398	MGN61409	MGN61420	MGN61431

Schneider Electric North - American Operating Division

1415 S. Roselle Road
 Palatine, IL 60067
 Tel: 847-397-2600
 Fax: 847-925-7500