

# Series L9 UL489 Miniature Circuit Breakers

## Industrial Circuit Breakers for Branch Circuit Protection up to 63 Amps

Sprecher+Schuh includes a line of circuit breakers approved for branch circuit applications in the United States and Canada and certified as a Miniature Circuit Breaker for IEC applications.

To aid troubleshooting, a color-coded indicator provides positive visual indication of the device status (green for OFF, red for ON and isolation function).

### Broad product range & flexibility

The Sprecher + Schuh L9 Miniature Circuit Breakers provide a variety of product configurations by offering current ranges of 0.5A to 63A with voltage ranges of 240V AC and 480Y/277V AC. The Series L9 DIN Rail-mounted circuit breakers are similar in width and current range to supplementary protectors with the added benefit of providing listed branch circuit protection for US/Canada applications.



Also available for control circuit applications are add-on auxiliary and signal contacts plus shunt trip modules to provide modern control circuit applications. A lock-off attachment is available for applications requiring that feature.

### Safety features provide enhanced protection

The series L9 Miniature Circuit Breakers feature finger-safe IP20 from the front of the circuit breaker to guard against accidental contact with live parts.

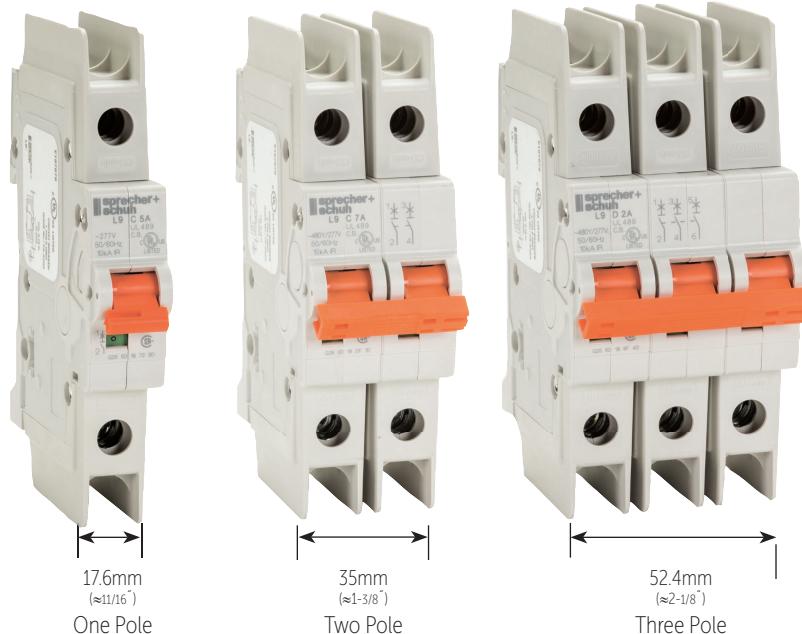
The Series L9 also incorporate a trip free mechanism - ensuring that the device operation cannot be defeated by holding the operator in the ON position.

### Easy installation

The Series L9 Miniature Circuit Breakers mount on a standard 35mm DIN-rail. Wire terminals accept multiple conductors. In addition, power to the circuit breakers can be fed from the line or load side.

### Global approvals for worldwide acceptance

The Sprecher + Schuh L9 Circuit Breakers are UL489 listed, CSA 22.2 No. 5.1 approved and meets IEC 60 947-2. The Series L9 also have an HACR rating (heating and air conditioning) as well as a "Switching Duty" (SWD) rating from 0.5 to 20A. Switching Duty ratings are related to fluorescent light applications only, not High intensity discharge (HID) lights or any other types of loads. Advanced features and global approvals make the Series L9 an ideal product for use in industrial equipment installed throughout the world.



See online white paper

## Methods of Applying Circuit Protection

Trip Characteristic C (5~10 x  $I_N$ ) – Inductive loads

① UL/CSA Max. Volt.	Interrupt Rating (kA)	Rated Current (A)	1 Pole ②	2 Pole ③	3 Pole			
			Catalog Number	Std. Pkg.	Catalog Number	Std. Pkg.	Catalog Number	Std. Pkg.
480Y/277	10	0.5	L9-0.5/1/C	2	L9-0.5/2/C	1	L9-0.5/3/C	1
		1	L9-1/1/C	2	L9-1/2/C	1	L9-1/3/C	1
		1.6	L9-1.6/1/C	2	L9-1.6/2/C	1	L9-1.6/3/C	1
		2	L9-2/1/C	2	L9-2/2/C	1	L9-2/3/C	1
		3	L9-3/1/C	2	L9-3/2/C	1	L9-3/3/C	1
		4	L9-4/1/C	2	L9-4/2/C	1	L9-4/3/C	1
		5	L9-5/1/C	2	L9-5/2/C	1	L9-5/3/C	1
		6	L9-6/1/C	2	L9-6/2/C	1	L9-6/3/C	1
		7	L9-7/1/C	2	L9-7/2/C	1	L9-7/3/C	1
		8	L9-8/1/C	2	L9-8/2/C	1	L9-8/3/C	1
		10	L9-10/1/C	2	L9-10/2/C	1	L9-10/3/C	1
		13	L9-13/1/C	2	L9-13/2/C	1	L9-13/3/C	1
		15	L9-15/1/C	2	L9-15/2/C	1	L9-15/3/C	1
		16	L9-16/1/C	2	L9-16/2/C	1	L9-16/3/C	1
		20	L9-20/1/C	2	L9-20/2/C	1	L9-20/3/C	1
		25	L9-25/1/C	2	L9-25/2/C	1	L9-25/3/C	1
		30	L9-30/1/C	2	L9-30/2/C	1	L9-30/3/C	1
		32	L9-32/1/C	2	L9-32/2/C	1	L9-32/3/C	1
		35	L9-35/1/C ④	2	L9-35/2/C ④	1	L9-35/3/C ④	1
		40	L9-40/1/C ④	2	L9-40/2/C ④	1	L9-40/3/C ④	1
240	10	50	L9-50/1/C	2	L9-50/2/C	1	L9-50/3/C	1
		60	L9-60/1/C	2	L9-60/2/C	1	L9-60/3/C	1
		63	L9-63/1/C	2	L9-63/2/C	1	L9-63/3/C	1

## L9 Miniature Circuit Breaker Features:

- UL-489 listed for Branch Circuit protection and CSA 22.2 No. 5.1 Approved
- Thermal magnetic protection
- Trip characteristic based on 40°C ambient for UL/CSA
- All ratings are HACR rated (SWD rated up to 20 A)
- Finger safe design (front)
- DIN rail mounting

① See page M2:8 for IEC 60947-2 miniature circuit breaker ratings.

② 1-Pole 277V AC 0.5...40A; 240V AC 50...63A, 48V DC 0.5...63A

③ 2-Pole (series) 96V DC 0.5...63A

④ Rated 480Y/277VAC.