

9926 Series Branch Rated Circuit Breakers-AC Version

Circuit Breakers Hydraulic Magnetic Type

- Single pole and double pole versions
- 120/240 VAC, 50/60 Hz
- Up to 25A
- Just 13 mm wide
- Mounts on 35mm DIN-rail
- cULus listed according to UL489 CSA C22.2 No. 5.02, CE, VDE

9926 Series Single Pole



9926 Series Double Pole



Ordering Data	

Type: Single Pole (up to 120 VAC)		
Current Ratings (amps)	Part No.	Description
0.5	9926251000	QL-1-13-DM-KM-0.5
1	9926251001	QL-1-13-DM-KM-01
2	9926251002	QL-1-13-DM-KM-02
3	9926251003	QL-1-13-DM-KM-03
4	9926251004	QL-1-13-DM-KM-04
5	9926251005	QL-1-13-DM-KM-05
6	9926251006	QL-1-13-DM-KM-06
7	9926251007	QL-1-13-DM-KM-07
8	9926251008	QL-1-13-DM-KM-08
10	9926251010	QL-1-13-DM-KM-10
13	9926251013	QL-1-13-DM-KM-13
15	9926251015	QL-1-13-DM-KM-15
16	9926251016	QL-1-13-DM-KM-16
20	9926251020	QL-1-13-DM-KM-20
25	9926251025	QL-1-13-DM-KM-25

Type: Double Pole (up to 240 VAC)		
Current Ratings (amps)	Part No.	Description
0.5	9926252000	QL-2-13-DM-KM-0.5
1	9926252001	QL-2-13-DM-KM-01
2	9926252002	QL-2-13-DM-KM-02
3	9926252003	QL-2-13-DM-KM-03
4	9926252004	QL-2-13-DM-KM-04
5	9926252005	QL-2-13-DM-KM-05
6	9926252006	QL-2-13-DM-KM-06
7	9926252007	QL-2-13-DM-KM-07
8	9926252008	QL-2-13-DM-KM-08
10	9926252010	QL-2-13-DM-KM-10
13	9926252013	QL-2-13-DM-KM-13
15	9926252015	QL-2-13-DM-KM-15
16	9926252016	QL-2-13-DM-KM-16
20	9926252020	QL-2-13-DM-KM-20
25	9926252025	QL-2-13-DM-KM-25

Technical Data	
Voltage	120/240 VAC, 50/60Hz
Current	
minimum	0.5A
maximum	25A
Interrupting capacity	10,000A
Dielectric strength	1500V, 50/60Hz
Insulation resistance	100MΩ
Operating life	10000 mechanical operations
Operating temperature	-40...+65°C
Wire size*	
0.5-15A:	14AWG min., 10AWG max.
20-25A:	10AWG min.
Torque	20 in.-lb

Approval	
cULus listed according to UL489 CSA C22.2 No. 5.02, CE, VDE	
Accessories	
Part No.	
Bus-bar (1 pole, insulated, 1 m)	67101904
Bus-bar (2 pole, insulated, 1 m)	67101972
Bus-bar end cap, 1 pole	67101973
Bus-bar end cap, 2 pole	67101974
Power lug, straight	67101960
Power lug, 90°	67101961
Lock-out handle	67101913

*Wire sizes: gauges specified are the minimum allowable as per CSA and UL standards.

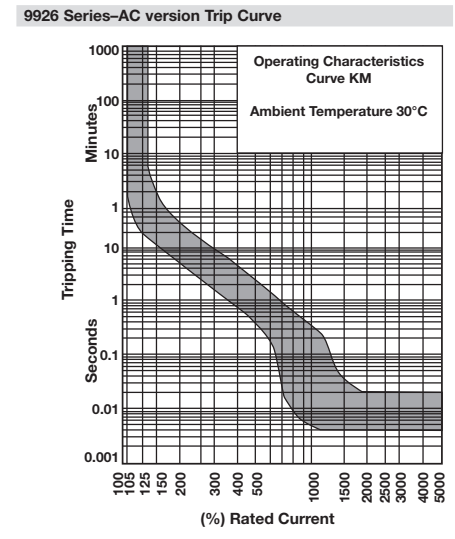
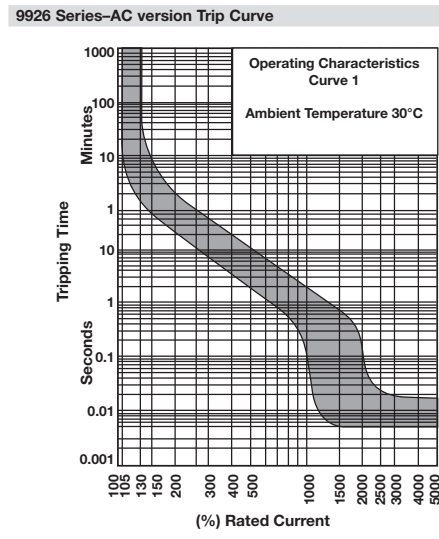
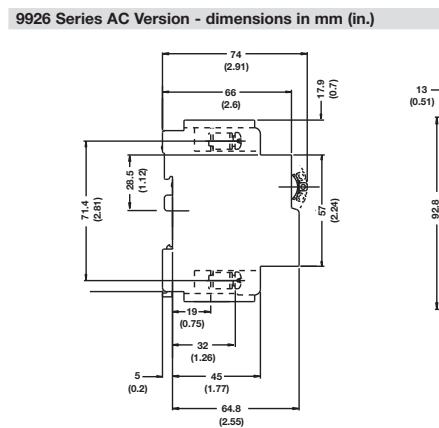
The 9926 circuit breakers do not have provisions for marking tags. A possible solution is to cut the adhesive SchS2 tag rail to length (approximately 20 mm on a single pole unit so the current rating remains visible or approximately 30 mm on a two pole unit). The SchS2 accepts DEK, WS and ESG 8/17 marking tags. The part number for adhesive SchS2 is **172060000**.

Trip Curves—Hydraulic Magnetic Type Typical time/current characteristics at 30°C

Sample trip characteristics - KM							
	125%	150%	200%	400%	600%	800%	1000%
minimum (sec)	15	8	4	0.7	0.09	0.007	0.005
maximum (sec)	300	90	28	4	1.5	0.6	0.4

Although the 9926 series uses a magnetic only trip mechanism, CSA testing indicates a trip characteristic similar to thermal magnetic trip mechanisms. No de-rating is required at elevated temperatures.

Additional trip curves and amp ratings are available upon request.



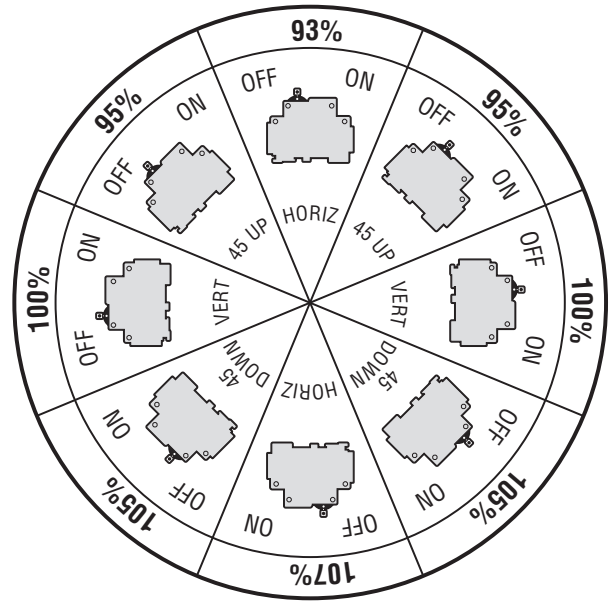
Trip Curve 1 applies to the following part numbers where "XX" is the current rating:
Single Pole—**99262512XX** Double Pole—**99262522XX**

9926 Series Mounting Options and Accessories

Mounting Options

If the product is not vertically mounted in the normal DIN-rail mounting orientation, a rating factor must be applied. Figure 1 shows a diagram of the rating factor to apply. The published curves for these circuit breaker products are produced with the circuit breaker in the vertical mounting position. The rating factor only applies to the must hold and must trip points of the curve as the other parts (instantaneous trip point) stay largely unaffected.

It is important to note that in environments that are exposed to a high degree of vibration, the cables that connect to the circuit breaker must be securely held in place, as the breaker is not designed to carry the weight of the cables. A maximum of 35N can be applied to the terminal area, in a direction perpendicular to the mounting axis.



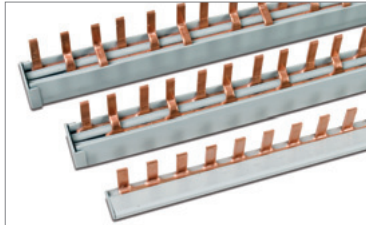
Accessories

Technical Data

Current Rating	80A max.
Voltage	500V max.
Short Circuit Strength	25kA

Type

Type	Part No.
Bus bar (1 pole, insulated 1m)	67101904
Bus bar (2 pole, insulated 1m)	67101972
Bus bar (3 pole, insulated 1m)	67101971



Part Number Table - Example

To order 9926 Series Single Pole Circuit Breaker

Part No. 99262511000

- Current Rating of 1.0 amp
- Internal Resistance per Pole of 1.1 ohms
- Trip Curve – M1, Medium (Standard)

9 9 2 6 2 5 1 0 0 0

Amperage

- *00* - 0.5A
- *01* - 1A
- *02* - 2A
- */
- *60* - 60A

Trip Curves (Types 5-9)

- *0* - Branch AC KM (Standard)
- *1* - Branch AC OP (Instantaneous)
- *2* - Branch AC 1 (Fast)
- *3* - Supplemental 9 (Slow)
- *4* - Branch 80VDC 1 (Fast)
- *5* - Supplemental 2 (Standard)
- *6* - Branch 125VDC OP (Instantaneous)
- *7* - Branch 80VDC OP (Instantaneous)
- *8* - Branch 125VDC U2 (Standard)
- *9* - Branch 80VDC U2 (Standard)

Poles

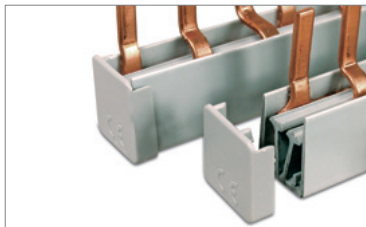
- 1 Pole
- 2 Pole
- 3 Pole

Type

- *5* - Base Breaker
- *6* - With Auxiliary Contact
- *7* - With Trip Alarm Contact
- *8* - Combo Aux/Trip Contact
- *9* - GFCI

Type

Type	Part No.
Bus bar end cap, 1 pole	67101973
Bus bar end cap, 2 pole or 3 pole	67101974



Technical Data

Current Rating	85A max.
Wire Size	10 AWG min., 4 AWG max.
Dimensions	A: 6 mm B: 32 mm

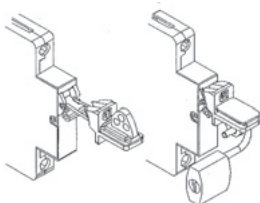
Type

Type	Part No.
Power lug, straight	67101960
Power lug, 90°	67101961



Type

Type	Part No.
Lock-out handle	67101913



9 9 2 6 2 4 1 0 0 0

Amperage

- *00* - 0.5A
- *01* - 1A
- *02* - 2A
- */
- *60* - 60A

Trip Curves (Type 4)

- *0* - Supplemental 1 (Slow)
- *1* - Supplemental 3 (Fast)
- *3* - Branch AC 9 (Slow)

Poles

- 1 Pole
- 2 Pole
- 3 Pole

Type

- *4* - Base Breaker