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Weldmüller 33

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Weldmüller

9926 Series Supplemental Circuit Breakers with Contacts

Circuit Breakers Auxiliary switch, Trip alarm, Combination of both

- AC Voltages 240/480V
- Trip curve 2 for general purpose applications
- UL 1077 recognized
- VDE, CSA, and CE Approved
- Just 13 mm wide
- Mounts to 35 mm DIN-rail
- Factory fitted auxiliary or trip alarm
- Single, double and triple pole versions

Technical Data

Voltage	277/480 VAC @ 50/60 Hz
Current	
minimum	0.5 A
maximum	60 A
Interrupting capacity	5 kA @ 277/480 V, 5 kA @ 120 V, 5 kA @ 240 V
Dielectric strength	1500 V, 50/60 Hz
Insulation resistance	100 MΩ
Operating life	10000 mechanical operations
Operating temperature	-40...+65°C
Wire size*	
1-15A:	14 AWG min., 10 AWG max.
20-25A:	10 AWG min.
Torque	20 in.-lb.

Approval

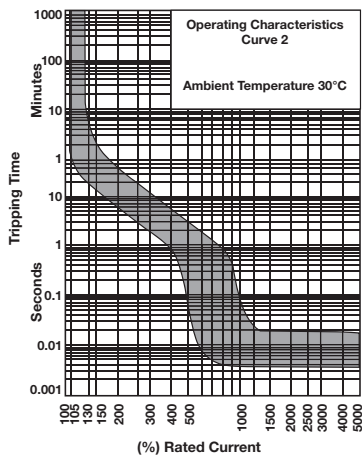
UL 1077 Recognized, VDE (EN 60947-2),
CSA C22.2 No. 235, CE Approved

*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 1720600000.

9926 Series—Supplemental Trip Curve

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



9926 Series Single Pole w/ Auxiliary Contact



Type: Single Pole Aux

Current Ratings (amps)	Part No.	Description
1	9926261501	QZ-A-1-13-D-2-01
2	9926261502	QZ-A-1-13-D-2-02
5	9926261505	QZ-A-1-13-D-2-05
10	9926261510	QZ-A-1-13-D-2-10
15	9926261515	QZ-A-1-13-D-2-15
20	9926261520	QZ-A-1-13-D-2-20
25	9926261525	QZ-A-1-13-D-2-25

9926 Series Double Pole w/ Auxiliary Contact



Type: Double Pole Aux

Current Ratings (amps)	Part No.	Description
1	9926262501	QZ-A-2-13-D-2-01
2	9926262502	QZ-A-2-13-D-2-02
5	9926262505	QZ-A-2-13-D-2-05
10	9926262510	QZ-A-2-13-D-2-10
15	9926262515	QZ-A-2-13-D-2-15
20	9926262520	QZ-A-2-13-D-2-20
25	9926262525	QZ-A-2-13-D-2-25

9926 Series Triple Pole w/ Auxiliary Contact



Type: Triple Pole Aux

Current Ratings (amps)	Part No.	Description
1	9926263501	QZ-A-3-13-D-2-01
2	9926263502	QZ-A-3-13-D-2-02
5	9926263505	QZ-A-3-13-D-2-05
10	9926263510	QZ-A-3-13-D-2-10
15	9926263515	QZ-A-3-13-D-2-15
20	9926263520	QZ-A-3-13-D-2-20
25	9926263525	QZ-A-3-13-D-2-25

9926 Series Single Pole Trip (Alarm Contact)



Type: Single Pole Trip

Current Ratings (amps)	Part No.	Description
1	9926271501	QZ-T-1-13-D-2-01
2	9926271502	QZ-T-1-13-D-2-02
5	9926271505	QZ-T-1-13-D-2-05
10	9926271510	QZ-T-1-13-D-2-10
15	9926271515	QZ-T-1-13-D-2-15
20	9926271520	QZ-T-1-13-D-2-20
25	9926271525	QZ-T-1-13-D-2-25

9926 Series Double Pole Trip (Alarm Contact)



Type: Double Pole Trip

Current Ratings (amps)	Part No.	Description
1	9926272501	QZ-T-2-13-D-2-01
2	9926272502	QZ-T-2-13-D-2-02
5	9926272505	QZ-T-2-13-D-2-05
10	9926272510	QZ-T-2-13-D-2-10
15	9926272515	QZ-T-2-13-D-2-15
20	9926272520	QZ-T-2-13-D-2-20
25	9926272525	QZ-T-2-13-D-2-25

9926 Series Triple Pole Trip (Alarm Contact)



Type: Triple Pole Trip

Current Ratings (amps)	Part No.	Description
1	9926273501	QZ-T-3-13-D-2-01
2	9926273502	QZ-T-3-13-D-2-02
5	9926273505	QZ-T-3-13-D-2-05
10	9926273510	QZ-T-3-13-D-2-10
15	9926273515	QZ-T-3-13-D-2-15
20	9926273520	QZ-T-3-13-D-2-20
25	9926273525	QZ-T-3-13-D-2-25

9926 Series Single Pole Combination (Auxiliary & Alarm Contact)



Type: Single Pole Combo

Current Ratings (amps)	Part No.	Description
1	9926281501	QZ-AT-1-13-D-2-01
2	9926281502	QZ-AT-1-13-D-2-02
5	9926281505	QZ-AT-1-13-D-2-05
10	9926281510	QZ-AT-1-13-D-2-10
15	9926281515	QZ-AT-1-13-D-2-15
20	9926281520	QZ-AT-1-13-D-2-20
25	9926281525	QZ-AT-1-13-D-2-25

9926 Series Double Pole Combination (Auxiliary & Alarm Contact)



Type: Double Pole Combo

Current Ratings (amps)	Part No.	Description
1	9926282501	QZ-AT-2-13-D-2-01
2	9926282502	QZ-AT-2-13-D-2-02
5	9926282505	QZ-AT-2-13-D-2-05
10	9926282510	QZ-AT-2-13-D-2-10
15	9926282515	QZ-AT-2-13-D-2-15
20	9926282520	QZ-AT-2-13-D-2-20
25	9926282525	QZ-AT-2-13-D-2-25

9926 Series Triple Pole Combination (Auxiliary & Alarm Contact)



Type: Triple Pole Combo

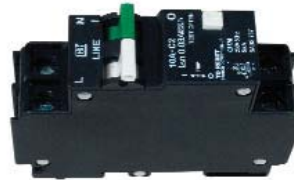
Current Ratings (amps)	Part No.	Description
1	9926283501	QZ-AT-3-13-D-2-01
2	9926283502	QZ-AT-3-13-D-2-02
5	9926283505	QZ-AT-3-13-D-2-05
10	9926283510	QZ-AT-3-13-D-2-10
15	9926283515	QZ-AT-3-13-D-2-15
20	9926283520	QZ-AT-3-13-D-2-20
25	9926283525	QZ-AT-3-13-D-2-25

9926 Series Supplemental Circuit Breakers–GFCI

Ground Fault Current Interrupt

- CE approved
- UL1077 and UL1053 recognized
- Small frame size (26mm wide)
- Single pole plus switched neutral earth leakage protection
- Trip point is unaffected by ambient temperature
- Current ratings up to 50A
- Trip indication (mid trip handle position)
- Trip curve 2 for general purpose applications

9926 Series GFCI



Ordering Data

Technical Data

Standard Ampere Ratings (A)	5 to 50A
Sensitivity (mA)	30 (CE) / 22 (UL)
Number of Poles	1 + N
Equipment Type	Earth Leakage/GFCI
Rated Voltage (V)	230 (CE) / 240 (UL)
Rated Interrupting/	5 kA
Withstand Capacity (kA)	–
Weight (kg)	0.26
Trip Curve (standard)	2
Operating Temperature	-40 to +65°C

Approval

UL 1077 and UL 1053, CE

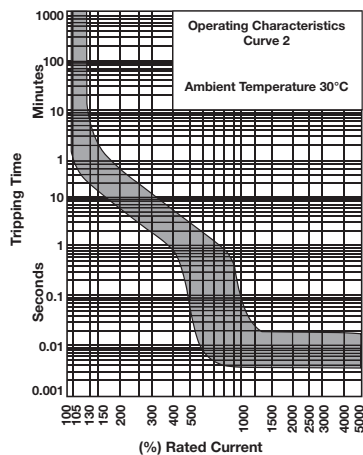
Type: Single Pole GFCI

Current Ratings

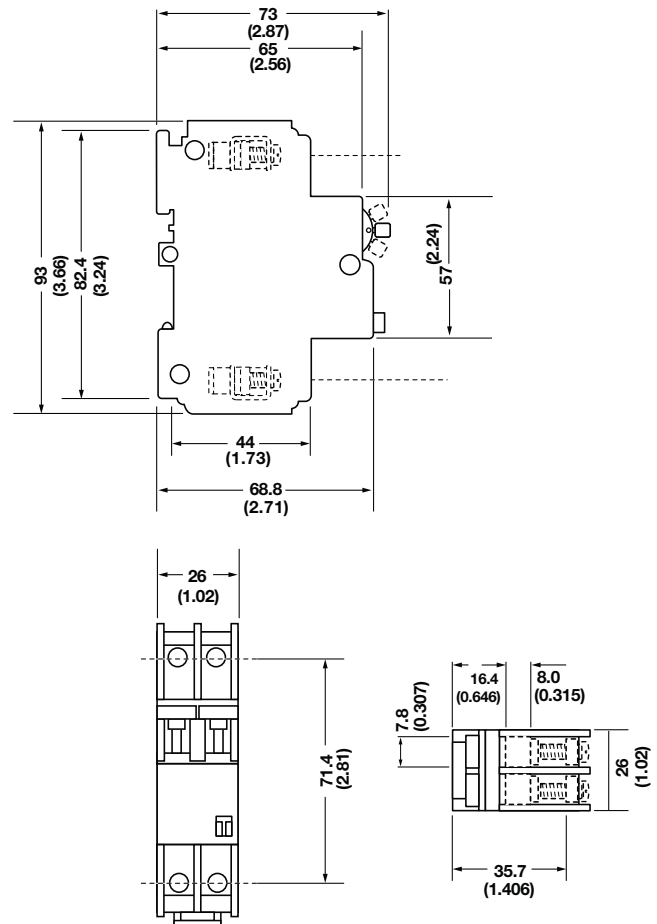
(amps)	Part No.	Description
5	9926291105	QF17A2505 - CB W/GFI
10	9926291110	QF17A2510 - CB W/GFI
15	9926291115	QF17A2515 - CB W/GFI
20	9926291120	QF17A2520 - CB W/GFI
25	9926291125	QF17A2525 - CB W/GFI
30	9926291130	QF17A2530 - CB W/GFI
50	9926291150	QF17A2550 - CB W/GFI

9926 Series–AC version Trip Curve

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



9926 Series GFCI – dimensions in mm (in.)

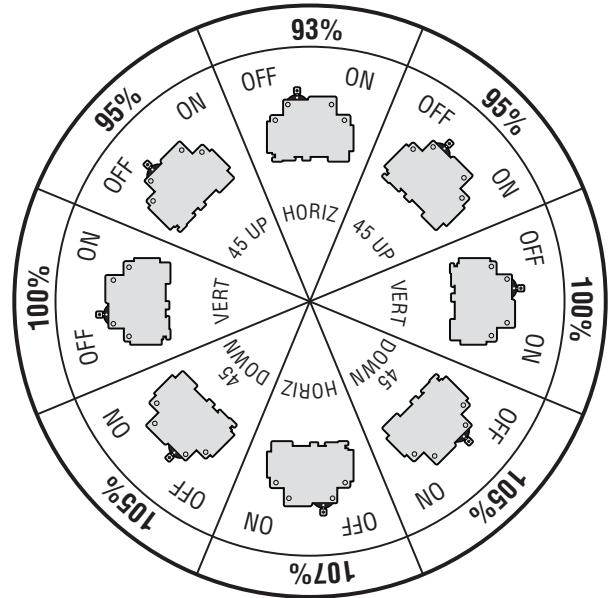


9926 Series Mounting Options and Accessories

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.

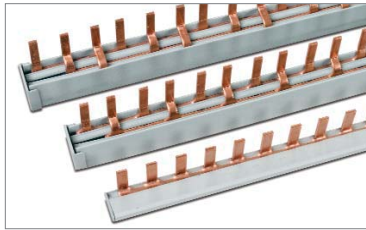


Accessories

Technical Data

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

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



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



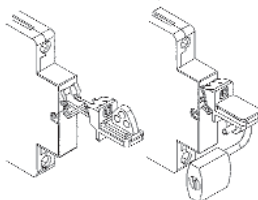
Technical Data

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

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



Type	Part No.
Lock-out handle	67101913



Part Number Table - Example

To order 9926 Series Single Pole Circuit Breaker

Part No. 9926251100

- 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

- *0" - Branch AC KM (Standard)
- *1" - Branch AC OP (Instantaneous)
- *2" - Branch AC 1 (Fast)
- *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