

## 3

# 9926 Series Branch Rated Circuit Breakers–AC Version with Contacts

## Circuit Breakers with Auxiliary switch, Trip alarm, Combination of both

- AC voltages (120/240V)
- Single and double pole versions
- UL 489 and CSA listed
- Factory fitted auxiliary or trip alarm
- Compact 6.5mm width
- Attached to right hand side of circuit breaker

## 9926 Series Single Pole w/ Auxiliary Contact



## 9926 Series Single Pole Trip (Alarm Contact)



## 9926 Series Single Pole Combination (Auxiliary & Alarm Contact)



| 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                                   |                             |
| UL 489 listed, CSA C22.2 No. 5-02, CE, VDE |                             |

\*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.

| Type: Single Pole Aux  |            |                    |  |
|------------------------|------------|--------------------|--|
| Current Ratings (amps) | Part No.   | Description        |  |
| 1                      | 9926261001 | QL-A-1-13-DM-KM-1  |  |
| 2                      | 9926261002 | QL-A-1-13-DM-KM-2  |  |
| 5                      | 9926261005 | QL-A-1-13-DM-KM-5  |  |
| 10                     | 9926261010 | QL-A-1-13-DM-KM-10 |  |
| 15                     | 9926261015 | QL-A-1-13-DM-KM-15 |  |
| 20                     | 9926261020 | QL-A-1-13-DM-KM-20 |  |
| 25                     | 9926261025 | QL-A-1-13-DM-KM-25 |  |

| Type: Single Pole Trip |            |                    |
|------------------------|------------|--------------------|
| Current Ratings (amps) | Part No.   | Description        |
| 1                      | 9926271001 | QL-T-1-13-DM-KM-1  |
| 2                      | 9926271002 | QL-T-1-13-DM-KM-2  |
| 5                      | 9926271005 | QL-T-1-13-DM-KM-5  |
| 10                     | 9926271010 | QL-T-1-13-DM-KM-10 |
| 15                     | 9926271015 | QL-T-1-13-DM-KM-15 |
| 20                     | 9926271020 | QL-T-1-13-DM-KM-20 |
| 25                     | 9926271025 | QL-T-1-13-DM-KM-25 |

| Type: Single Pole Combo |            |                     |
|-------------------------|------------|---------------------|
| Current Ratings (amps)  | Part No.   | Description         |
| 1                       | 9926281001 | QL-AT-1-13-DM-KM-1  |
| 2                       | 9926281002 | QL-AT-1-13-DM-KM-2  |
| 5                       | 9926281005 | QL-AT-1-13-DM-KM-5  |
| 10                      | 9926281010 | QL-AT-1-13-DM-KM-10 |
| 15                      | 9926281015 | QL-AT-1-13-DM-KM-15 |
| 20                      | 9926281020 | QL-AT-1-13-DM-KM-20 |
| 25                      | 9926281025 | QL-AT-1-13-DM-KM-25 |

## 9926 Series Double Pole w/ Auxiliary Contact



## 9926 Series Double Pole Trip (Alarm Contact)



## 9926 Series Double Pole Combination (Auxiliary & Alarm Contact)



| Type: Double Pole Aux  |            |                    |
|------------------------|------------|--------------------|
| Current Ratings (amps) | Part No.   | Description        |
| 1                      | 9926262001 | QL-A-2-13-DM-KM-1  |
| 2                      | 9926262002 | QL-A-2-13-DM-KM-2  |
| 5                      | 9926262005 | QL-A-2-13-DM-KM-5  |
| 10                     | 9926262010 | QL-A-2-13-DM-KM-10 |
| 15                     | 9926262015 | QL-A-2-13-DM-KM-15 |
| 20                     | 9926262020 | QL-A-2-13-DM-KM-20 |
| 25                     | 9926262025 | QL-A-2-13-DM-KM-25 |

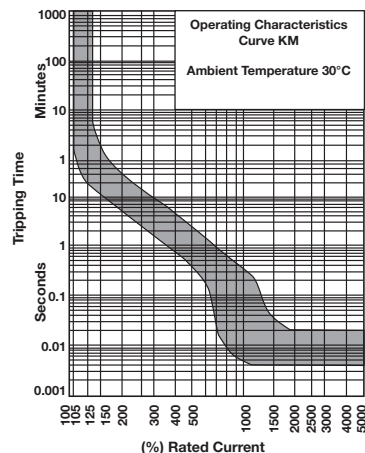
| Type: Double Pole Trip |            |                    |
|------------------------|------------|--------------------|
| Current Ratings (amps) | Part No.   | Description        |
| 1                      | 9926272001 | QL-T-2-13-DM-KM-1  |
| 2                      | 9926272002 | QL-T-2-13-DM-KM-2  |
| 5                      | 9926272005 | QL-T-2-13-DM-KM-5  |
| 10                     | 9926272010 | QL-T-2-13-DM-KM-10 |
| 15                     | 9926272015 | QL-T-2-13-DM-KM-15 |
| 20                     | 9926272020 | QL-T-2-13-DM-KM-20 |
| 25                     | 9926272025 | QL-T-2-13-DM-KM-25 |

| Type: Double Pole Combo |            |                     |
|-------------------------|------------|---------------------|
| Current Ratings (amps)  | Part No.   | Description         |
| 1                       | 9926282001 | QL-AT-2-13-DM-KM-1  |
| 2                       | 9926282002 | QL-AT-2-13-DM-KM-2  |
| 5                       | 9926282005 | QL-AT-2-13-DM-KM-5  |
| 10                      | 9926282010 | QL-AT-2-13-DM-KM-10 |
| 15                      | 9926282015 | QL-AT-2-13-DM-KM-15 |
| 20                      | 9926282020 | QL-AT-2-13-DM-KM-20 |
| 25                      | 9926282025 | QL-AT-2-13-DM-KM-25 |

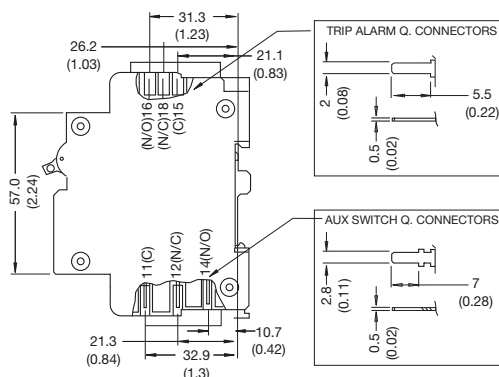
## 9926 Series–AC version Trip Curve

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

Additional trip curves and amp ratings are available upon request.



## Dual Mount Dimensions in mm (in.)



## 5

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,<br>5 kA @ 120 V, 5 kA @ 240 V |
| Dielectric strength   | 1500 V, 50/60 Hz                                |
| Insulation resistance | 100 MΩ                                          |
| Operating life        | 10000<br>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

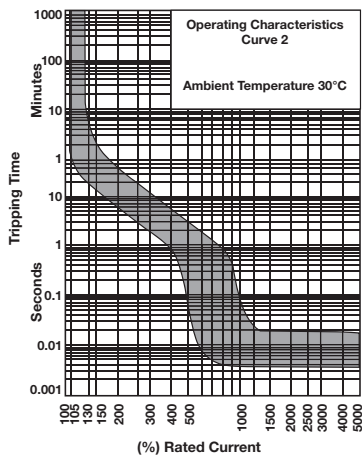
UL 1077 Recognized, VDE (EN 60947-2),  
CSA C22.2 No. 235, CE Approved

\*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

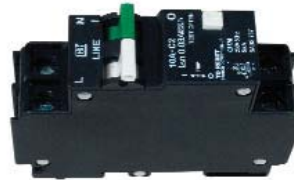
| Current Ratings (amps) | Part No.   | Description       |
|------------------------|------------|-------------------|
| 1                      | 9926283501 | QZ-AT-3-13-D-2-01 |
| 2                      | 9926283502 | QZ-AT-3-13-D-2-02 |
| 5                      | 9926283505 | QZ-AT-3-13-D-2-05 |
| 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

|  |
|--|
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|  |
|  |
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|  |

#### 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

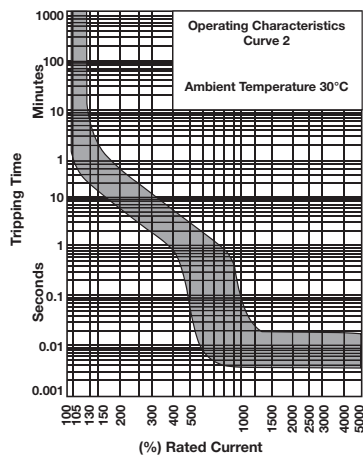
UL 1077 and UL 1053, CE

#### Type: Single Pole GFCI

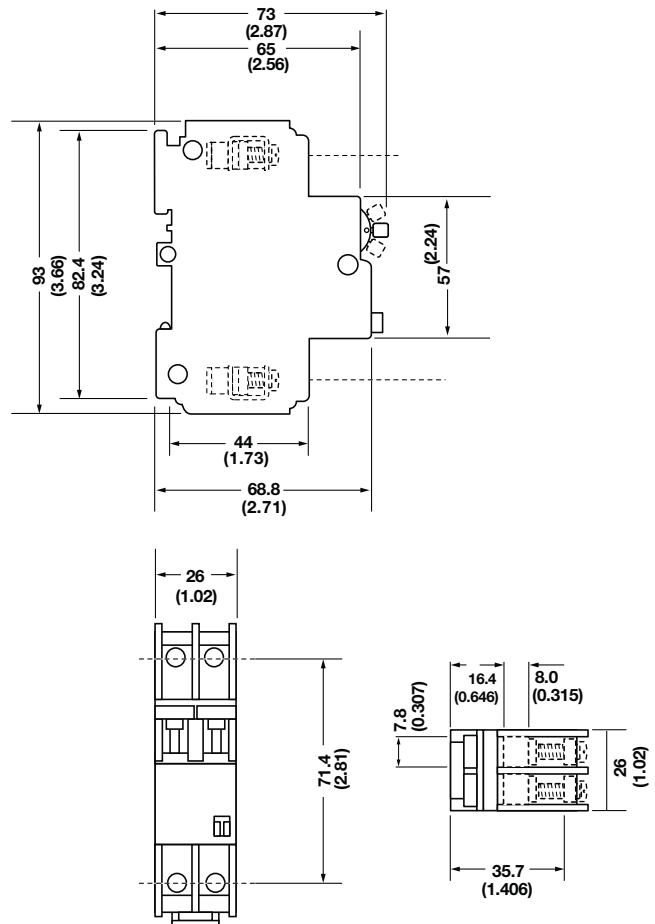
| Current Ratings (amps) | Part No.   | Description          |
|------------------------|------------|----------------------|
| 5                      | 9926291105 | QF17A2505 - CB W/GFI |
| 10                     | 9926291110 | QF17A2510 - CB W/GFI |
| 15                     | 9926291115 | QF17A2515 - 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.)

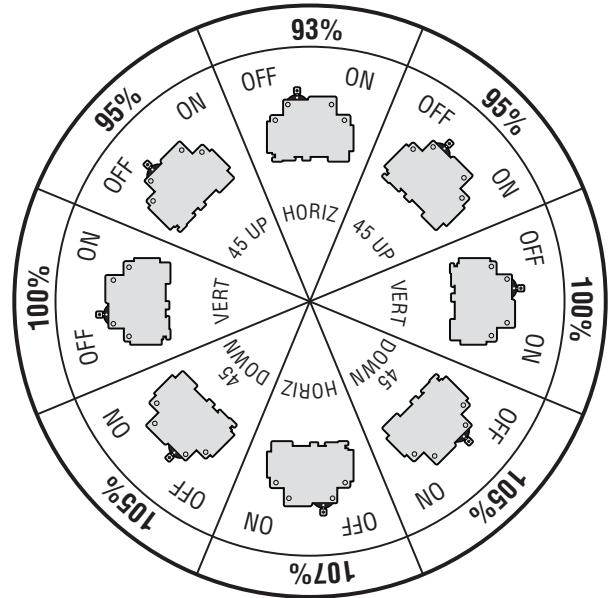


# 9926 Series Mounting Options and Accessories

## 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.

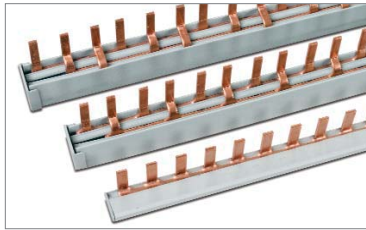


## Accessories

### 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 |



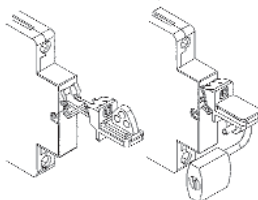
### Technical Data

|                |                         |
|----------------|-------------------------|
| 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