Product data sheet

Specifications

SQUARE D

Mini circuit breaker, QO, 50A, 2 pole, 120/240VAC, 10kA, plug in, 6mA grd fault A, pigtail [TAA]

QO250GFI

Product availability: Stock - Normally stocked in distribution facility

Main

Product	Miniature circuit-breaker
Range	QO
Current Rating	50 A
Voltage Rating	120/240 V AC 120 V AC
Mounting Type	Plug-in
Number of Poles	2P
Circuit Breaker Type	Ground fault protecting class A 6 mA
Ratings	Not rated
Electrical Connection	Box lugs

Complementary

Interrupt Rating	10 kA 120/240 V AC 10 kA 120 V AC
Number of Panel Spaces	2
Wire Size	AWG 12...AWG 4 aluminium AWG 14...AWG 6 copper
Tightening Torque	44.3 lbf.in (5 N.m) 40.7 lbf.in (4.6 N.m) 0.006…0.03 in² (4…20 mm²) (AWG 12...AWG 4)
Height	4.1 in (105 mm)
Width	1.5 in (38 mm)
Depth	2.9 in (74 mm)
Net Weight	1.0009 lb(US) (0.454 kg)

Environment

Certifications	UL Listed CSA
Ambient Rating	104 °F (40 °C)

Ordering and shipping details

Category	US1DE2A00103
Discount Schedule	DE2A
GTIN	785901764861
Returnability	Yes

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.300 in (8.382 cm)
Package 1 Width	2.300 in (5.842 cm)
Package 1 Length	5.300 in (13.462 cm)
Package weight(Lbs)	16.67 oz (472.64 g)
Unit Type of Package 2	CAR
Number of Units in Package 2	33
Package 2 Height	5.50 in (13.97 cm)
Package 2 Width	14.50 in (36.83 cm)
Package 2 Length	21.200 in (53.848 cm)
Package 2 Weight	35.212 lb(US) (15.972 kg)

Contractual warranty

Warranty	18 months

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	**41**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant with Exemptions**
REACh Regulation	**REACh Declaration**
California proposition 65	**WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Use Again

Repack and remanufacture

Circularity Profile	**End of Life Information**
Take-back	**No**

Technical Illustration

Dimensions
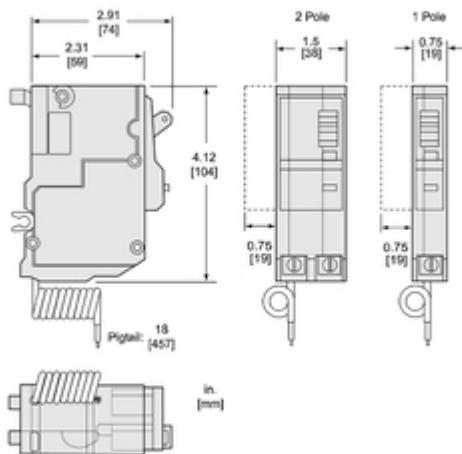
Technical Illustration

Wiring diagram

Typical Two-Pole GFCI Wiring

120/208 Vac or
120/240 Vac Source
N   A   B
Hot B
Hot A
Neutral
120V
120V
240V
Two-pole
Circuit Breaker
with
GFCI or EPD
Load
S/N
GND
Equipment Ground
Three-wire 120/240 Vac or 208Y/120 Vac Circuits
15–50 A Only

120/240 Vac Source
N   A   B
Hot B
250V Duplex
Receptacle
120V
120V
240V
240V
Two-pole
Circuit Breaker
with
GFCI or EPD
S/N
GND
Hot A
Equipment Ground
Two-wire 240 Vac or 208 Vac

120/208 Vac or
120/240 Vac Source
N   A   B
Hot B
120V
120V
120V
240V
Two-pole
Circuit Breaker
with
GFCI or EPD
Duplex
Receptacle
Neutral
Duplex
Receptacle
S/N
GND
Hot A
Equipment Ground
120 Vac Multiwire Circuits
15–50 A Only

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