Product data sheet

Specifications



Circuit breaker enclosure, QO, 1 phase, 2 spaces, 100A, NEMA1, surface cover, UL

QO2100BNS

Product availability: Stock - Normally stocked in distribution facility

Main

Product Type	Enclosure
Range of Product	QO

Complementary

Current Rating	100 A
Interrupt Rating	22 kA
Number of Spaces	2
Maximum Number of Single Pole Circuits	2
Maximum Number of Tandem Breakers	0
Number of Phases	1 phase
Enclosure Rating	NEMA 1 indoor
Breaker Compatibility	Circuit breaker QO 2P
Product Certifications	UL Listed
Wiring Configuration	3-wire
Electrical Connection	Lugs
Wire Size	AWG 14...AWG 1 copper AWG 12...AWG 1 aluminium
Surface Finish	Baked enamel Gray
Busbar Material	Tin plated copper: busbar
Tightening Torque	35 lb.in, AWG 14...AWG 10, copper 35 lb.in, AWG 12...AWG10, aluminium 40 lb.in, AWG 8...AWG 4, aluminium/copper 50 lb.in, AWG 3...AWG 2, aluminium/copper Main lugs 50 lb.in, AWG 3...AWG 1, aluminium/copper
Box Number	13
Cover Type	Surface cover
Ground Bar	Grounding bar (ordered separately)
Enclosure Material	Welded sheet steel
Enclosure Type	Enclosure
Height	13.1 in (333 mm)
Width	5.9 in (149 mm)
Depth	3.4 in (86.4 mm)

Ordering and shipping details

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Category	US1DE2A00005
Discount Schedule	DE2A
GTIN	785901051732
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	4.6 in (11.7 cm)
Package 1 Width	7.4 in (18.8 cm)
Package 1 Length	15.0 in (38.1 cm)
Package weight(Lbs)	5.67 lb(US) (2.57 kg)
Unit Type of Package 2	PAL
Number of Units in Package 2	135
Package 2 Height	40.0 in (101.6 cm)
Package 2 Width	40.0 in (101.6 cm)
Package 2 Length	48.00 in (121.92 cm)
Package 2 Weight	781.702 lb(US) (354.574 kg)

Contractual warranty

Warranty (in months)	18

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

Total lifecycle Carbon footprint	**12 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**11 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.9 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**0.1 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.2 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

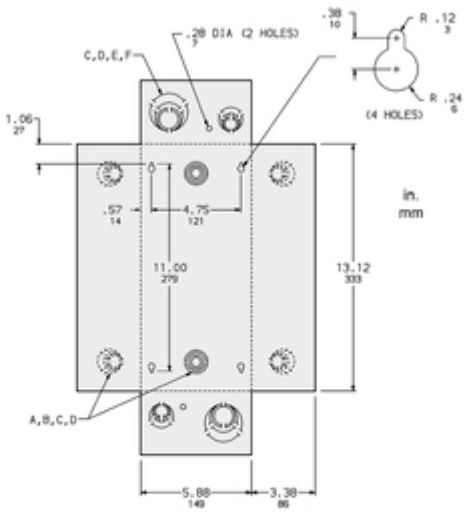
Use Again

Repack and remanufacture

Recyclability potential, in %	**90**
Circularity Profile	**No need of specific recycling operations**
Take-back	**No**

Technical Illustration

Dimensions

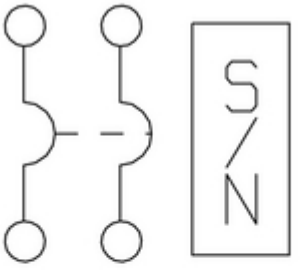


KNOCKOUTS						
SYMBOL	A	B	C	D	E	F
IN	.50	.75	1.00	1.25	1.50	2.00
MM	13	19	25	32	38	51

All dimensions are approximate. Also see technical documentation.

Technical Illustration

Wiring diagram



120/240VAC

QO2100BNF
QO2100BNS
QO2100BNRB