Product data sheet

Specifications



Circuit breaker enclosure, QO, 3 phase, 3 spaces, 100A, NEMA3R, UL

QO3100BNRB

Product availability: Stock - Normally stocked in distribution facility

Main

Product Type	Enclosure
Range of Product	QO
Load Center Type	Main lugs

Complementary

Current Rating	100 A
Interrupt Rating	22 kA
Number of Spaces	3
Maximum Number of Tandem Breakers	0
Number of Phases	3 phase
Enclosure Rating	NEMA 3R outdoor
Breaker Compatibility	Circuit breaker QO 3P
Product Certifications	UL Listed CSA
Electrical Connection	Lugs
Surface Finish	Baked enamel Gray
Busbar Material	Tin plated copper
Ambient Air Temperature for Operation	23 °F (-5 °C) 104 °F (40 °C)
Tightening Torque	35 lb.in, AWG 14...AWG 10, copper 35 lb.in, AWG 12...AWG 10, aluminium Main lugs 40 lb.in, AWG 8...AWG 4, aluminium/copper Main lugs 50 lb.in, AWG 3...AWG 2, aluminium/copper Main lugs 35 lb.in, AWG 14...AWG 10, copper Main lugs 35 lb.in, AWG 12...AWG 10, aluminium
Box Number	10R
Cover Type	Surface cover
Ground Bar	Grounding bar (ordered separately)
Enclosure Material	Welded galvannealed steel
Enclosure Type	Enclosure
Height	13.2 in (335 mm)
Width	6.9 in (176 mm)
Depth	4.12 in (104.65 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	US10DE200023
Discount Schedule	0DE2
GTIN	785901051770
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.0 in (12.7 cm)
Package 1 Width	8.1 in (20.6 cm)
Package 1 Length	14.5 in (36.8 cm)
Package weight(Lbs)	8.09 lb(US) (3.67 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	**20 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**18 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 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]	**0.3 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
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**

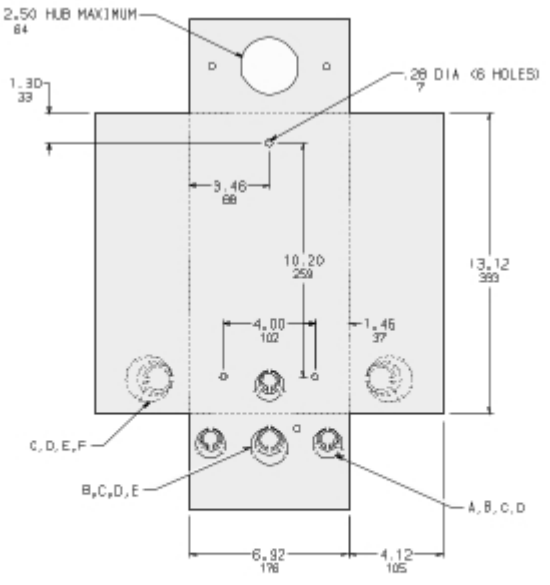
Use Again

Repack and remanufacture

Recyclability potential, in %	**89**
Circularity Profile	**No need of specific recycling operations**
Take-back	**No**

Technical Illustration

Dimensions



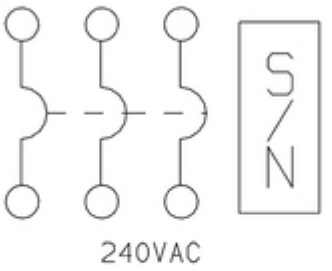
KNOCKOUTS						
SYMBOL	A	B	C	D	E	F
IN	.50	.75	1.00	1.25	1.50	2.00
MM	13	19	25	32	38	51

in.
mm

All dimensions are approximate. See technical documentation.

Technical Illustration

Wiring diagram



QO3100BNF
QO3100BNS
QO3100BNRB