Product data sheet

Specifications



Panelboard interior, NQ, main lugs, 400A, Cu bus, 42 pole spaces, 3 phase, 4 wire, 240VAC, 48VDC

NQ442L4C

Product availability: Stock - Normally stocked in distribution facility

Main

Product Type	Interiors
Panelboard Type	Main lugs
Branch Circuit Breaker Type	QOB QOB-VH QHB
Busbar Material	Copper

Complementary

Number of spaces	42
Enclosure Nominal Height	50 in (1270 mm)
Enclosure Nominal Width	20 in (508 mm)
Enclosure Nominal Depth	5.75 in (146.05 mm) NEMA 1 6.5 in (165.1 mm) NEMA 3R/12
Line Rated Current	400 A
[Iu] rated interrupted current	10 kA 22 kA 65 kA
Number of Phases	3 phase 4 wires
Voltage Rating	240 V AC 48 V DC
Connections - terminals	Lug line AWG 1/0...750 kcmil aluminium Lug neutral AWG 1/0...750 kcmil aluminium
Tightening torque	274.99…300.04 lbf.in (31.07…33.90 N.m) 0.08…0.6 in² (53.48…380 mm²) (AWG 1/0...750 kcmil) 274.99…300.04 lbf.in (31.07…33.90 N.m) 0.08…0.3 in² (53.48…177.3 mm²) (AWG 1/0...350 kcmil) 549.98 lbf.in (62.14 N.m) 0.08…0.6 in² (53.48…380 mm²) (AWG 1/0...750 kcmil) 549.98 lbf.in (62.14 N.m) 0.08…0.2 in² (53.48…152 mm²) (AWG 1/0...300 kcmil) 375.006 lbf.in (42.37 N.m) 0.08…0.6 in² (53.48…380 mm²) (AWG 1/0...750 kcmil) 375.006 lbf.in (42.37 N.m) 0.08…0.2 in² (53.48…152 mm²) (AWG 1/0...300 kcmil)
Height	45 in (1143 mm)
Width	10.44 in (265.18 mm)
Product Weight	26.65 lb(US) (12.09 kg)

Environment

Standards	CSA UL

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	US1PE1A09151
Discount Schedule	PE1A
GTIN	785901507918
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	6.300 in (16.002 cm)
Package 1 Width	14.000 in (35.560 cm)
Package 1 Length	50.000 in (127.000 cm)
Package weight(Lbs)	21.751 lb(US) (9.866 kg)
Unit Type of Package 2	PAL
Number of Units in Package 2	15
Package 2 Height	40.000 in (101.600 cm)
Package 2 Width	42.000 in (106.680 cm)
Package 2 Length	60.000 in (152.400 cm)
Package 2 Weight	327.0009 lb(US) (148.325 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	**92 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**66 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**3 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 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**23 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: Nickel compounds, which is known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

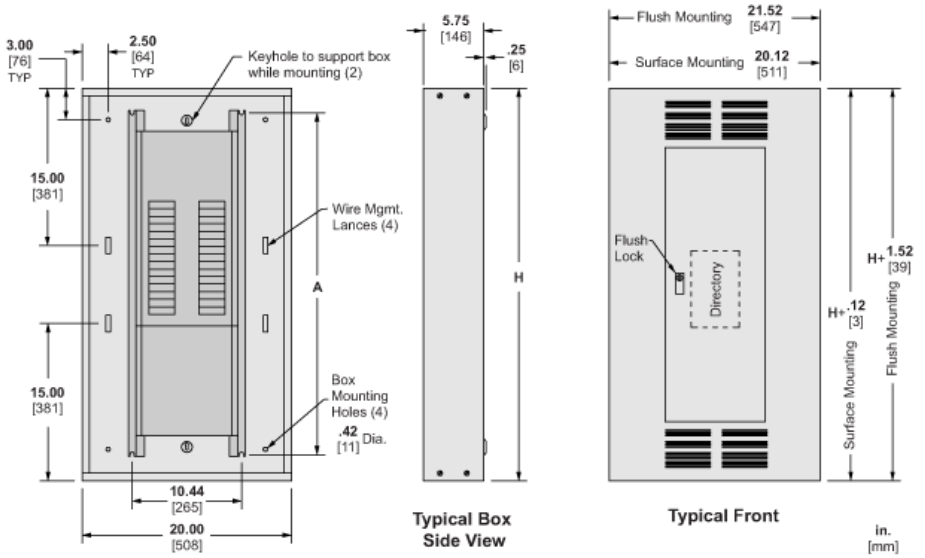
Use Again

Repack and remanufacture

Recyclability potential, in %	**91**
Circularity Profile	**No need of specific recycling operations**
Take-back	**No**

Dimensions Drawings

Approximate Dimensions

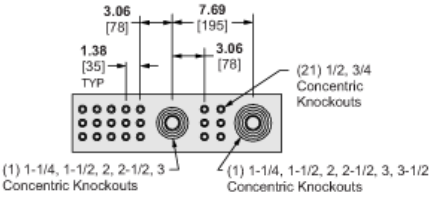


Typical Box with Interior

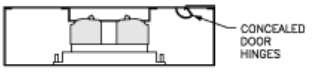
Typical Box Side View

Typical Front

in.
[mm]



Endwall with Knockouts
(Other Endwall is Blank)



Typical Mounting of QO/QOB Circuit Breakers

MAXIMUM MAIN LUGS AMPERE RATING	MAXIMUM NUMBER OF CIRCUITS	H		A	
		IN	MM	IN	MM
400A	30 & 42	50.00	1270	45.00	1143
	54	56.00	1422	51.00	1295
	72	62.00	1575	57.00	1448
	84	68.00	1727	63.00	1600
400A WITH SUB FEED LUGS	30 & 42	50.00	1270	45.00	1143
	54	56.00	1422	51.00	1295
	72	62.00	1575	57.00	1448
	84	68.00	1727	63.00	1600
400A WITH FEED THRU LUGS	30 & 42	56.00	1422	51.00	1295
	54	62.00	1575	57.00	1448
	72	68.00	1727	63.00	1600
	84	74.00	1880	69.00	1753
400A WITH SUB FEED BREAKERS	30 & 42	74.00	1880	69.00	1753
	54	80.00	2032	75.00	1905
	72	86.00	2184	81.00	2057
600A *	30 & 42	50.00	1270	45.00	1143
	54	56.00	1422	51.00	1295
	72	62.00	1575	57.00	1448
	84	68.00	1727	63.00	1600
600A WITH FEED THRU LUGS	30 & 42	62.00	1575	57.00	1448
	54	68.00	1727	63.00	1600
	72	74.00	1880	69.00	1753
	84	80.00	2032	75.00	1905
600A WITH SUB FEED BREAKERS	30 & 42	74.00	1880	69.00	1753
	54	80.00	2032	75.00	1905
	72	86.00	2184	81.00	2057

* For Type 3R enclosure, increase height dimension by 12.00 / [305]