

# Product data sheet

Specifications

SQUARE D



Panelboard interior, NQ, main lugs, 400A, Al bus, 42 pole spaces, 1 phase, 3 wire, 240VAC, 48VDC

NQ42L4

Product availability: Stock - Normally stocked in distribution facility

## Main

|                             |                      |
|-----------------------------|----------------------|
| Product Type                | Interiors            |
| Panelboard Type             | Main lugs            |
| Branch Circuit Breaker Type | QOB<br>QOB-VH<br>QHB |
| Busbar Material             | Aluminium            |

## 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<br>6.5 in (165.1 mm) NEMA 3R/5/12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Line Rated Current             | 400 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [Iu] rated interrupted current | 10 kA<br>22 kA<br>65 kA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Number of Phases               | 1 phase 3 wires                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Voltage Rating                 | 240 V AC<br>48 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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)<br>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)<br>549.98 lbf.in (62.14 N.m) 0.08...0.6 in² (53.48...380 mm²) (AWG 1/0...750 kcmil)<br>549.98 lbf.in (62.14 N.m) 0.08...0.2 in² (53.48...152 mm²) (AWG 1/0...300 kcmil)<br>375.006 lbf.in (42.37 N.m) 0.08...0.6 in² (53.48...380 mm²) (AWG 1/0...750 kcmil)<br>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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Environment

|           |           |
|-----------|-----------|
| Standards | UL<br>CSA |
|-----------|-----------|

## Ordering and shipping details

|                   |              |
|-------------------|--------------|
| Category          | US1PE1A09151 |
| Discount Schedule | PE1A         |

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

|                   |              |
|-------------------|--------------|
| GTIN              | 785901498704 |
| Returnability     | Yes          |
| Country of origin | MX           |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Nbr. of units in pkg.        | 1                        |
| Package 1 Height             | 6.42 in (16.3 cm)        |
| Package 1 Width              | 13.90 in (35.3 cm)       |
| Package 1 Length             | 50.12 in (127.3 cm)      |
| Package weight(Lbs)          | 21.96 lb(US) (9.96 kg)   |
| Unit Type of Package 2       | PAL                      |
| Number of Units in Package 2 | 6                        |
| Package 2 Height             | 40.00 in (101.6 cm)      |
| Package 2 Width              | 42.00 in (106.68 cm)     |
| Package 2 Length             | 60.00 in (152.4 cm)      |
| Package 2 Weight             | 170.15 lb(US) (77.18 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)                                                            | 135 |

Use Better

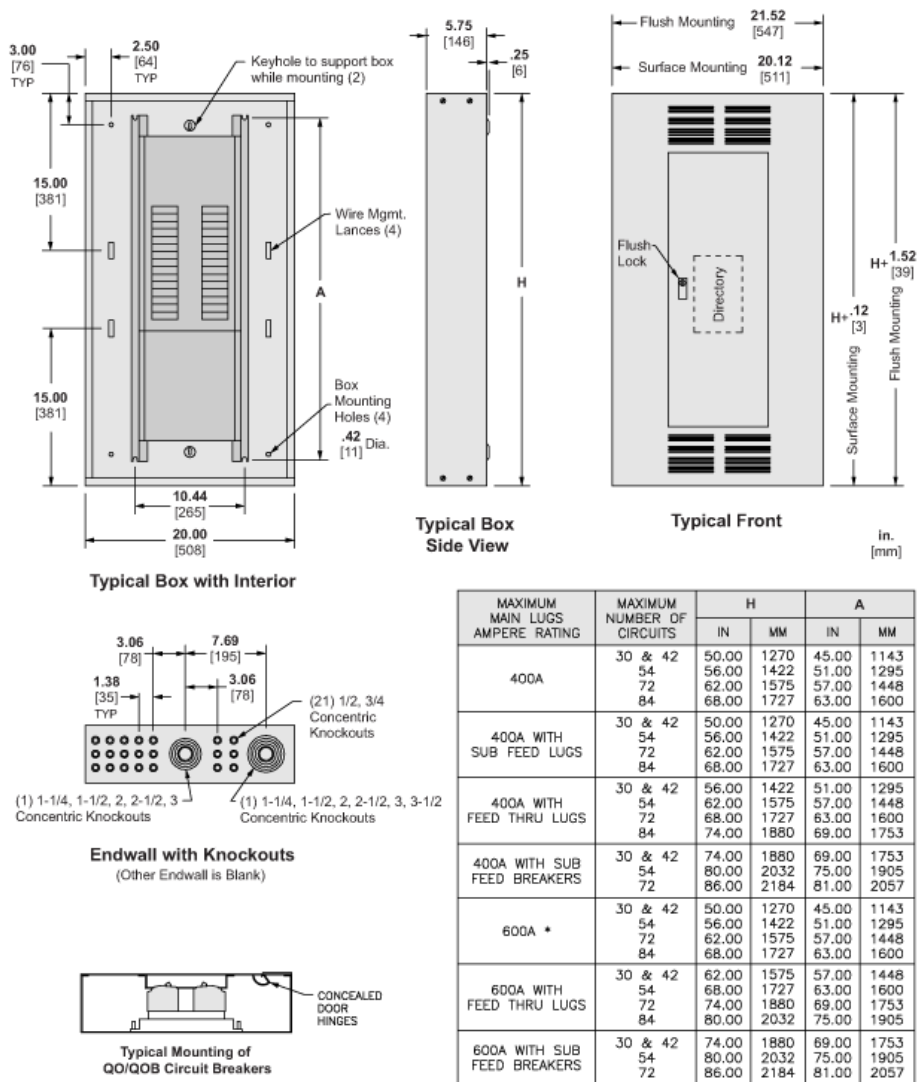
|  Materials and Substances |                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard                                                                     | Yes                                                                                                                                                                                                                                                                                                                                                         |
| Packaging without single use plastic                                                                       | No                                                                                                                                                                                                                                                                                                                                                          |
| EU RoHS Directive                                                                                          | Under investigation                                                                                                                                                                                                                                                                                                                                         |
| REACH Regulation                                                                                           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                           |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Use Again

|  Repack and remanufacture |                                          |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Circularity Profile                                                                                          | No need of specific recycling operations |
| Take-back                                                                                                    | No                                       |

Dimensions Drawings

Approximate Dimensions



| MAXIMUM<br>MAIN LUGS<br>AMPERE RATING | MAXIMUM<br>NUMBER OF<br>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<br>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<br>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<br>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<br>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<br>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]