

Product data sheet

Specifications



Circuit breaker, PowerPacT Q, 100A, 3 pole, 240VAC, 10kA, lugs, thermal magnetic, 80%, top of panel

QBM32100TN

Main

Range	PowerPact
Product name	PowerPact Q
Product or component type	Circuit breaker
Device application	Distribution

Complementary

[In] rated current	100 A
Number of Poles	3P
Control type	Operating handle
Breaking capacity code	B
Breaking capacity	10 kA 120/208 V AC 50/60 Hz UL 10 kA 240 V AC 50/60 Hz UL
[Ue] rated operational voltage	240 V AC 50/60 Hz UL
Network frequency	50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV UL
Trip unit technology	Thermal-magnetic
Magnetic tripping current	2400 A
Magnetic hold current	1200 A
Continuous current rating	80 %
Utilisation category	Category A
Mechanical durability	1000 cycles loaded 5000 cycles no load
Local signalling	1 trip indicator green)
Mounting mode	Unit mount lug)
Mounting support	Lug
Electrical connection	Lugs, line Terminal nut, load
Tightening torque	247.8 lbf.in (28 N.m) 0.04...0.2 in ² (25...150 mm ²) AWG 4...300 kcmil)
Power wire stripping length	0.9 in (22 mm)
Height	6.47 in (164.34 mm)
Width	4.5 in (114.3 mm)
Depth	3.93 in (99.82 mm)
Circuit breaker application	HACR rated

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

Environment

Standards	UL CSA NEMA NOM-003-SCFI-2000
Product certifications	UL CSA NOM
Ambient air temperature for operation	104...158 °F (40...70 °C)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.100 in (15.494 cm)
Package 1 Width	6.100 in (15.494 cm)
Package 1 Length	9.800 in (24.892 cm)
Package 1 Weight	4.460 lb(US) (2.023 kg)

Contractual warranty

Warranty (in months)	18
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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	40 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	14 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.6 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.4 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	20 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	4 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	887a1b1c-3348-4a1a-91a8-4e8590879f78
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen content performance	Halogen free product
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again

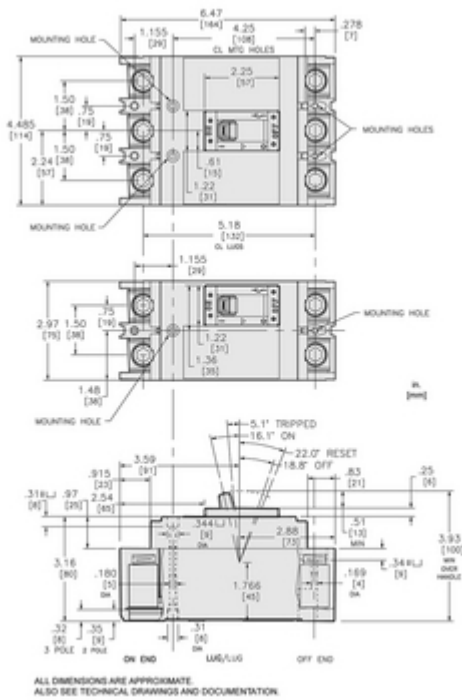


Repack and remanufacture

Recyclability potential, in %	56
Circularity Profile	No need of specific recycling operations
Take-back	No

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

PowerPacT Q-Frame

Technical Benefits



- Available in 2-3 pole design.
- Available from 75-250A at up to 240VAC.
- 2-3 pole automatic molded case switches available at 225A.
- Interrupting ratings (AIR) include:
 - B-10kA, D-25kA, G-65kA and J-100kA at 240VAC.
 - 3P QJ are rated at 208Y/ 120 VAC only.
- Available in Unit-mount for cabled or bus-mounted applications or I-line for use in I-line panel boards and switchboards.
- Field-installable handle padlock attachment available for locking in On or Off position and may be used with available mechanical interlocks.
- UL 489 Listed, CSA, ANCE, IEC certified for worldwide applications.

Offer Marketing Illustration

Product benefits / Features

PowerPacT Q-Frame
Technical Features



Offer Marketing Illustration

Product benefits / Features

PowerPacT Q-Frame
Molded Case Circuit Breakers



Scalable and sustainable

New breaker features enable scalable upgrades and are future-proof to meet environmental standards.



Reliable quality

New, intelligent guided design to increase confidence and ensure power reliability.



Innovative design

Designed for the future and for enhanced safety.