

Product data sheet

Specifications



Circuit breaker, PowerPacT Q,
80A, 2 pole, 240VAC, 65kA, I-Line,
thermal magnetic, 80%, AC

QGA220802

Main

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

Complementary

[In] rated current	80 A
Number of Poles	2P
Control type	Operating handle
Breaking capacity code	G
Breaking capacity	65 kA 120/208 V AC 50/60 Hz UL 65 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	1800 A
Magnetic hold current	1000 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	I-Line bracket)
Mounting support	Bracket
Electrical connection	I-Line connection, line Lugs, load
Mounting height	3 in (76.2 mm)
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	3 in (76.2 mm)
Depth	3.93 in (99.82 mm)

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

Phase connection	AC
Circuit breaker application	HACR rated

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	4.250 in (10.795 cm)
Package 1 Width	7.438 in (18.893 cm)
Package 1 Length	12.313 in (31.275 cm)
Package 1 Weight	4.729 lb(US) (2.145 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	32 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	15 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]	13 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
--------	----

Use Again



Repack and remanufacture

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

Technical Illustration

Dimensions

