

Product datasheet

Specifications



Molded case circuit breaker,
PowerPacT 4, 3P, Icu 36kA,
MicroLogic 2.3 electronic trip unit,
630A rating

PP46303X

EAN Code: 5018934030548

Main

Range of product	PowerPacT 4
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
[In] rated current	630 A at 40 °C
[Ue] rated operational voltage	415 V AC 50/60 Hz
Suitability for isolation	Yes conforming to BS EN 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	50 kA Icu at 415 V AC 50/60 Hz
Performance level	F
Trip unit name	MicroLogic 2.3
Trip unit technology	Electronic
Trip unit protection functions	LSol
Control type	Toggle
Circuit breaker mounting mode	Panel-mounted

Complementary

[UI] rated insulation voltage	800 V
[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service short-circuit breaking capacity	36 kA at 415 V AC 50/60 Hz
Mechanical durability	15000 cycles
Electrical durability	8000 cycles at 440 V In/2 4000 cycles at 440 V In
Power dissipation per pole	39.7 W
Mounting support	Backplate
Mounting position	Horizontal and vertical
Number of modules	4 module(s)35 mm
Protection type	L : for overload protection (thermal) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection
Trip unit rating	630 A at 40 °C
Long-time pick-up adjustment type Ir (thermal protection)	Fixed

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

[Ir] long-time protection pick-up adjustment range	250...630 A
Long-time protection delay adjustment type tr	Fixed
[tr] long-time protection delay adjustment range	400 s at 1.5 x Ir 16 s at 6 x Ir 11 s at 7.2 x Ir
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type Isd	Adjustable
[Isd] Short-time protection pick-up adjustment range	1.5...10 x Ir
Short-time protection delay adjustment type tsd	Fixed
Instantaneous protection pick-up adjustment type Ii	Fixed
[Ii] instantaneous protection pick-up adjustment range	6900 A
Earth-leakage protection	Without
Zone selective interlocking ZSI	Without
Contact position indicator	Yes
Local signalling	Flashing LED (green) for ready to operate LED 90 % Ir (orange) for pre-alarm indicator LED 105 % Ir (red) for overload
Width	140 mm
Depth	110 mm
Height	255 mm
Product weight	6.2 kg
Product destination	400/630 A panelboard
Colour	Grey

Environment

Standards	BS EN 60947-2
Electrical shock protection class	Class II
Pollution degree	3 conforming to EN/IEC 60664-1
IP degree of protection	IP40 conforming to EN/IEC 60529
IK degree of protection	IK07 conforming to EN/IEC 62262
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Operating altitude	0...2000 m without derating 2000...5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	16.000 cm
Package 1 Width	25.500 cm
Package 1 Length	40.000 cm
Package 1 Weight	7.724 kg

Unit Type of Package 2	PAM
Number of Units in Package 2	45
Package 2 Height	95.000 cm
Package 2 Width	100.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	367.580 kg

Logistical informations

Country of origin	GB
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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 >](#)

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	25ca3248-85d0-423a-a9d8-5b7aeb52e7b6
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Product contains halogen above thresholds

Use Longer

Lifetime extension	
Repair	No
Updatability	No

Use Again

Repack and remanufacture	
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Image of product / Alternate images

Alternative



