Product datasheet

Specifications



Molded case circuit breaker, PowerPacT 4, single pole L1, Icu 25kA, TMD thermal magnetic trip unit, 30A rating

PP40301L1

EAN Code: 5018934029214

Main

Range of product	PowerPacT 4
Product or component type	Circuit breaker
Device application	Distribution
poles description	1P
[In] rated current	30 A at 40 °C
[Ue] rated operational voltage	230 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	25 kA Icu at 230 V AC 50/60 Hz
Performance level	N
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control type	Toggle
Circuit breaker mounting mode	Panel-mounted

Complementary

[Ui] rated insulation voltage	750 V
[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service short-circuit breaking capacity	25 kA at 230 V AC 50/60 Hz
Mechanical durability	20000 cycles
Electrical durability	20000 cycles at 277 V In/2 10000 cycles at 277 V In
Mounting support	Backplate
Mounting position	Horizontal and vertical
Phase connection	L1
Number of modules	1 module(s)35 mm
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	30 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	1 x In
Long-time protection delay adjustment type tr	Fixed
Instantaneous protection pick-up adjustment type Ii	Fixed
[Ii] instantaneous protection pick-up adjustment range	300 A
Earth-leakage protection	Without
Contact position indicator	Yes
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	4.500 cm
Package 1 Width	25.000 cm
Package 1 Length	25.000 cm
Package 1 Weight	1.256 kg
Unit Type of Package 2	P12
Number of Units in Package 2	180
Package 2 Height	85.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	246.080 kg

Contractual warranty

Warranty	18 months