

Product datasheet

Specifications



Molded case circuit breaker,
PowerPacT 4, single pole L1, Icu
25kA, TMD thermal magnetic trip
unit, 80A rating

PP40801L1

EAN Code: 5018934029337

Main

Range Of Product	PowerPacT 4
Product Or Component Type	Circuit breaker
Device Application	Distribution
Poles Description	1P
[In] Rated Current	80 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	80 A at 40 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Fixed

[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 li	Fixed
[Ii] Instantaneous Protection Pick-Up Adjustment Range	640 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	26.000 cm
Package 1 Weight	1.251 kg
Unit Type Of Package 2	P12
Number Of Units In Package 2	312
Package 2 Height	120.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	424.960 kg

Contractual warranty

Warranty	18 months
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