

# Product datasheet

Specifications



Molded case circuit breaker,  
PowerPacT 4, double pole L1+N,  
Icu 25kA, TMD thermal magnetic trip  
unit, 100A rating

PP41002L1N

EAN Code: 5018934029917

## Main

Range Of Product	PowerPacT 4
Product Or Component Type	Circuit breaker
Device Application	Distribution
Poles Description	1P + N
[In] Rated Current	100 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	25 kA Icu at 415 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 415 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 - N
Number Of Modules	2 module(s)35 mm
Protection Type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip Unit Rating	100 A at 40 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Fixed

<b>[Ir] Long-Time Protection Pick-Up Adjustment Range</b>	1 x In
<b>Long-Time Protection Delay Adjustment Type Tr</b>	Fixed
<b>Instantaneous Protection Pick-Up Adjustment Type li</b>	Fixed
<b>[Ii] Instantaneous Protection Pick-Up Adjustment Range</b>	800 A
<b>Earth-Leakage Protection</b>	Without
<b>Contact Position Indicator</b>	Yes
<b>Colour</b>	Grey

## Environment

<b>Standards</b>	BS EN 60947-2
<b>Electrical Shock Protection Class</b>	Class II
<b>Pollution Degree</b>	3 conforming to EN/IEC 60664-1
<b>Ip Degree Of Protection</b>	IP40 conforming to EN/IEC 60529
<b>Ik Degree Of Protection</b>	IK07 conforming to EN/IEC 62262
<b>Ambient Air Temperature For Operation</b>	-25...70 °C
<b>Ambient Air Temperature For Storage</b>	-50...85 °C
<b>Operating Altitude</b>	0...2000 m without derating 2000...5000 m with derating

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	12.000 cm
<b>Package 1 Width</b>	25.500 cm
<b>Package 1 Length</b>	25.500 cm
<b>Package 1 Weight</b>	2.415 kg
<b>Unit Type Of Package 2</b>	P12
<b>Number Of Units In Package 2</b>	80
<b>Package 2 Height</b>	112.000 cm
<b>Package 2 Width</b>	100.000 cm
<b>Package 2 Length</b>	120.000 cm
<b>Package 2 Weight</b>	203.200 kg

## Contractual warranty

<b>Warranty</b>	18 months
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