

# Product datasheet

Specifications



## Molded case circuit breaker, PowerPacT 4, 3P, Icu 36kA, TMD thermal magnetic trip unit, 25A rating

PP40253X

EAN Code : 5018934030098

### Main

Range of product	PowerPacT 4
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
[In] rated current	25 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	36 kA Icu at 415 V AC 50/60 Hz
Performance level	F
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	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	50000 cycles
Electrical durability	50000 cycles at 440 V In/2 30000 cycles at 440 V In
Power dissipation per pole	4.01 W
Mounting support	Backplate
Mounting position	Horizontal and vertical
Number of modules	3 module(s)35 mm
Protection type	L : for overload protection (thermal)

I : for short-circuit protection (magnetic)

<b>Trip unit rating</b>	25 A at 40 °C
<b>Long-time pick-up adjustment type Ir (thermal protection)</b>	Fixed
<b>[Ir] long-time protection pick-up adjustment range</b>	0.7...1 x In
<b>Long-time protection delay adjustment type tr</b>	Fixed
<b>Instantaneous protection pick-up adjustment type li</b>	Fixed
<b>[li] instantaneous protection pick-up adjustment range</b>	300 A
<b>Earth-leakage protection</b>	Without
<b>Contact position indicator</b>	Yes
<b>Width</b>	105 mm
<b>Depth</b>	86 mm
<b>Height</b>	161 mm
<b>Product weight</b>	2.05 kg
<b>Product destination</b>	250 A panelboard 400/630 A panelboard
<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 cm
<b>Package 1 Width</b>	25.5 cm
<b>Package 1 Length</b>	25.5 cm
<b>Package 1 Weight</b>	3.71 kg
<b>Unit Type of Package 2</b>	P12
<b>Number of Units in Package 2</b>	96
<b>Package 2 Height</b>	112 cm
<b>Package 2 Width</b>	80 cm
<b>Package 2 Length</b>	120 cm

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Package 2 Weight 368.66 kg

**Contractual warranty**

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Warranty 18 months

**Recommended replacement(s)**