

# Product datasheet

Specifications



## Molded case circuit breaker, PowerPacT 4, 3P, Icu 36kA, TMD thermal magnetic trip unit, 80A rating

PP40803X

EAN Code: 5018934030166

### Main

Range Of Product	PowerPacT 4
Product Or Component Type	Circuit breaker
Device Application	Distribution
Poles Description	3P
[In] Rated Current	80 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	8.77 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)
Trip Unit Rating	80 A at 40 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	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>[Ii] Instantaneous Protection Pick-Up Adjustment Range</b>	640 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>Net 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>	26 cm
<b>Package 1 Weight</b>	3.346 kg
<b>Unit Type Of Package 2</b>	PAM
<b>Number Of Units In Package 2</b>	84
<b>Package 2 Height</b>	100 cm
<b>Package 2 Width</b>	100 cm
<b>Package 2 Length</b>	120 cm
<b>Package 2 Weight</b>	301.064 kg

## Contractual warranty

<b>Warranty</b>	18 months
-----------------	-----------