

# Product datasheet

Specifications



## Molded case circuit breaker, PowerPacT 4, top entry, 3P, Icu 36kA, 250A rating

Local distributor code:

399377978

MGP2503TX

! Discontinued

! Discontinued on: 31 Oct 2023

! End-of-service on: 31 Jan 2024

EAN Code: 3606482223608

## Main

Range of product	PowerPacT 4
Product or component type	Circuit breaker
Device application	Distribution
Electrical circuit type	Incoming
Poles description	3P
[In] rated current	250 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	MicroLogic 2.2
Trip unit technology	Electronic
Trip unit protection functions	LSol
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	20000 cycles
Electrical durability	20000 cycles at 440 V In/2 10000 cycles at 440 V In
Mounting support	Backplate
Mounting position	Horizontal and vertical
Number of modules	3 module(s)35 mm
Protection type	L : for overload protection (thermal) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection

<b>Trip unit rating</b>	250 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>	100...250 A
<b>Long-time protection delay adjustment type tr</b>	Fixed
<b>[tr] long-time protection delay adjustment range</b>	400 s at 1.5 x Ir 16 s at 6 x Ir 11 s at 7.2 x Ir
<b>Thermal memory</b>	20 minutes before and after tripping
<b>Short-time protection pick-up adjustment type Isd</b>	Adjustable
<b>[Isd] Short-time protection pick-up adjustment range</b>	1.5...10 x Ir
<b>Short-time protection delay adjustment type tsd</b>	Fixed
<b>Instantaneous protection pick-up adjustment type Ii</b>	Fixed
<b>[Ii] instantaneous protection pick-up adjustment range</b>	3000 A
<b>Earth-leakage protection</b>	Without
<b>Zone selective interlocking ZSI</b>	Without
<b>Contact position indicator</b>	Yes
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 90 % Ir (orange) for pre-alarm indicator LED 105 % Ir (red) for overload
<b>Width</b>	105 mm
<b>Depth</b>	86 mm
<b>Height</b>	161 mm
<b>Net weight</b>	2.4 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>	12.0 cm
<b>Package 1 Width</b>	26.0 cm

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**Package 1 Length** 26.0 cm

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**Package 1 Weight** 3.645 kg



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better



#### Materials and Substances

PVC free

Yes

### Use Longer



#### Lifetime extension

Repair

No