

# Product datasheet

Specifications



Molded case circuit breaker,  
PowerPacT 4, 3P, Icu 36kA, TMD  
thermal magnetic trip unit, 160A  
rating

PP41603X

EAN Code: 5018934030289

## Main

|                                                      |                                 |
|------------------------------------------------------|---------------------------------|
| Range of product                                     | PowerPacT 4                     |
| Product or component type                            | Circuit breaker                 |
| Device application                                   | Distribution                    |
| Poles description                                    | 3P                              |
| [In] rated current                                   | 160 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                                     | 40000 cycles                                                                         |
| Electrical durability                                     | 40000 cycles at 440 V In/2<br>20000 cycles at 440 V In                               |
| Power dissipation per pole                                | 13.95 W                                                                              |
| Mounting support                                          | Backplate                                                                            |
| Mounting position                                         | Horizontal and vertical                                                              |
| Number of modules                                         | 3 module(s)35 mm                                                                     |
| Protection type                                           | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic) |
| Trip unit rating                                          | 160 A at 40 °C                                                                       |
| Long-time pick-up adjustment type Ir (thermal protection) | Fixed                                                                                |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                                        |                                          |
|--------------------------------------------------------|------------------------------------------|
| [Ir] long-time protection pick-up adjustment range     | 0.7...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 | 1250 A                                   |
| Earth-leakage protection                               | Without                                  |
| Contact position indicator                             | Yes                                      |
| Width                                                  | 105 mm                                   |
| Depth                                                  | 86 mm                                    |
| Height                                                 | 161 mm                                   |
| Product weight                                         | 2.2 kg                                   |
| Product destination                                    | 250 A panelboard<br>400/630 A panelboard |
| 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<br>2000...5000 m with derating |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Height             | 12.000 cm  |
| Package 1 Width              | 25.500 cm  |
| Package 1 Length             | 25.500 cm  |
| Package 1 Weight             | 3.354 kg   |
| Unit Type of Package 2       | P12        |
| Number of Units in Package 2 | 96         |
| Package 2 Height             | 112.000 cm |
| Package 2 Width              | 80.000 cm  |
| Package 2 Length             | 120.000 cm |
| Package 2 Weight             | 350.768 kg |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | GB |
|-------------------|----|

# Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## 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               |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                                                     |
| Packaging without single use plastic   | No                                                                                     |
| SCIP Number                            | 26071879-056e-4394-a5a3-489ecef1b26f                                                   |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |
| Halogen-free status                    | Product contains halogen above thresholds                                              |

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

### Use Again

| Repack and remanufacture |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Take-back                | No                                                                                                                          |
| WEEE Label               | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Image of product / Alternate images

Alternative

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