

# Product datasheet

Specifications



Molded case circuit breaker,  
PowerPacT 4, single pole L1, Icu  
25kA, TMD thermal magnetic trip  
unit, 63A rating

PP40631L1

EAN Code : 5018934029306

## Main

|  |                                 |
|--|---------------------------------|
| Range of product                                     | PowerPacT 4                     |
| Product or component type                            | Circuit breaker                 |
| Device application                                   | Distribution                    |
| Poles description                                    | 1P                              |
| [In] rated current                                   | 63 A at 40 °C                   |
| [Ue] rated operational voltage                       | 230 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 230 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 230 V AC 50/60 Hz                             |
| Mechanical durability                               | 20000 cycles   |
| Electrical durability                               | 20000 cycles at 277 V In/2<br>10000 cycles at 277 V In |
| Mounting support                                    | Backplate  |
| Mounting position                                   | Horizontal and vertical                                |
| Phase connection                                    | L1   |
| Number of modules                                   | 1 module(s)35 mm                                       |
| Protection type                                     | L : for overload protection (thermal)                  |

I : for short-circuit protection (magnetic)

|  |               |
|--|---------------|
| <b>Trip unit rating</b>  | 63 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>        | 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>    | 500 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<br>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>             | 4.5 cm   |
| <b>Package 1 Width</b>              | 25.5 cm  |
| <b>Package 1 Length</b>             | 25.5 cm  |
| <b>Package 1 Weight</b>             | 1.24 kg  |
| <b>Unit Type of Package 2</b>       | PAL      |
| <b>Number of Units in Package 2</b> | 180      |
| <b>Package 2 Height</b>             | 100 cm   |
| <b>Package 2 Width</b>              | 85 cm    |
| <b>Package 2 Length</b>             | 108 cm   |
| <b>Package 2 Weight</b>             | 259.8 kg |

## Contractual warranty

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

## Recommended replacement(s)