

# Product datasheet

Specifications



Circuit breaker, GoPact MCCB 125, 4 poles, 15kA at 415VAC, 16A rating, TMD trip unit, fixed thermal protection

G12E4F16

## Main

|  |  |
|--|--|
| Range of product                                     | GoPact MCCB  |
| Product or component type                            | Circuit breaker  |
| Product name   | GoPact MCCB 125  |
| Device application                                   | Distribution   |
| poles description                                    | 4P   |
| Protected poles description                          | 4D   |
| Neutral position                                     | Left   |
| [In] rated current                                   | 16 A at 40 °C  |
| [Ue] rated operational voltage                       | 415 V AC 50/60 Hz conforming to EN/IEC 60947-2   |
| Suitability for isolation                            | Yes conforming to EN/IEC 60947-2   |
| Utilisation category                                 | Category A   |
| [Icu] rated ultimate short-circuit breaking capacity | 15 kA Icu at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>25 kA Icu at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Performance level                                    | E 15 kA 380/415 V AC   |
| Trip unit name                                       | TM-D   |
| Trip unit technology                                 | Thermal-magnetic   |
| Trip unit protection functions                       | LI   |
| Control type   | Toggle   |
| Circuit breaker mounting mode                        | Fixed  |

## Complementary

|   |  |
|---|--|
| [Ui] rated insulation voltage                       | 440 V AC conforming to EN/IEC 60947-2  |
| [Uimp] rated impulse withstand voltage              | 6 kV conforming to EN/IEC 60947-2  |
| [Ics] rated service short-circuit breaking capacity | 15 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>25 kA at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Mechanical durability                               | 30000 cycles   |
| Electrical durability                               | 8000 cycles at 415 V In  |
| Power dissipation per pole                          | 18.7 W   |
| Mounting support                                    | Backplate  |
| Mounting position                                   | Horizontal and vertical<br>Flat on the back  |
| Upside connection                                   | Front  |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

|   |  |
|---|--|
| downside connection   | Front  |
| Connection terminals  | screw terminals  |
| Connection pitch  | 25 mm  |
| Protection type   | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic) |
| Trip unit rating  | 16 A at 40 °C  |
| Long-time pick-up adjustment type I <sub>r</sub> (thermal protection) | Fixed  |
| [I <sub>r</sub> ] long-time protection pick-up adjustment range       | 1 x I <sub>n</sub>   |
| Long-time protection delay adjustment type t <sub>r</sub>             | Fixed  |
| Instantaneous protection pick-up adjustment type I <sub>i</sub>       | Fixed  |
| [I <sub>i</sub> ] instantaneous protection pick-up adjustment range   | 320 A  |
| Neutral protection settings   | 1 x I <sub>r</sub> (4D)  |
| Width (W)   | 100 mm   |
| Height (H)  | 130 mm   |
| Depth (D)   | 60 mm  |
| Net weight  | 0.9 kg   |
| Colour  | Grey (RAL 7035)  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 60947-1<br>EN/IEC 60947-2<br>EN/IEC 60947-2 Annex H |
| Overvoltage category                  | III  |
| Pollution degree                      | 3 conforming to IEC 60664-1                                |
| IP degree of protection               | IP20 conforming to IEC 60529                               |
| Ambient air temperature for operation | -20...55 °C  |
| ambient air temperature for storage   | -35...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             | 12.4 cm |
| Package 1 Width              | 11 cm   |
| Package 1 Length             | 13.9 cm |
| Package 1 Weight             | 1187 g  |
| Unit Type of Package 2       | S02     |
| Number of Units in Package 2 | 6       |
| Package 2 Height             | 15 cm   |
| Package 2 Width              | 30 cm   |
| Package 2 Length             | 40 cm   |

|                                     |            |
|-------------------------------------|------------|
| <b>Package 2 Weight</b>             | 7.437 kg   |
| <b>Unit Type of Package 3</b>       | P06        |
| <b>Number of Units in Package 3</b> | 96         |
| <b>Package 3 Height</b>             | 75 cm      |
| <b>Package 3 Width</b>              | 60 cm      |
| <b>Package 3 Length</b>             | 80 cm      |
| <b>Package 3 Weight</b>             | 127.492 kg |

## Sustainability

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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information Yes

Pvc Free

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)