

# Product datasheet

Specifications



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

G12E4A16

## 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 Ir (Thermal Protection) | Adjustable   |
| [Ir] Long-Time Protection Pick-Up Adjustment Range        | 0.8...1 x In   |
| Long-Time Protection Delay Adjustment Type Tr             | Fixed  |
| Instantaneous Protection Pick-Up Adjustment Type Ii       | Fixed  |
| [Ii] Instantaneous Protection Pick-Up Adjustment Range    | 320 A  |
| Neutral Protection Settings                               | 1 x Ir (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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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](#)