

# Product datasheet

Specifications



Circuit breaker, GoPact MCCB 125, 4 poles, 15kA at 415VAC, 20A rating, TMD trip unit, fixed thermal protection

G12E4F20

## 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                                   | 20 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"

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

|                                                           |                                                                                      |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------|
| 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                                          | 20 A at 40 °C                                                                        |
| Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) | Fixed                                                                                |
| [Ir] Long-Time Protection Pick-Up Adjustment Range        | 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   |

|                              |            |
|------------------------------|------------|
| Package 2 Weight             | 7.437 kg   |
| Unit Type Of Package 3       | P06        |
| Number Of Units In Package 3 | 96         |
| Package 3 Height             | 75 cm      |
| Package 3 Width              | 60 cm      |
| Package 3 Length             | 80 cm      |
| Package 3 Weight             | 127.492 kg |

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**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         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Compliant with Exemptions                                                                                                   |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                               |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                     |