

Product datasheet

Specifications



Circuit breaker, GoPact MCCB 125, 3 poles, 15kA at 415VAC, 20A rating, TMD trip unit, fixed thermal protection

G12E3F20

Main

| | |
|--|--|
| Range Of Product | GoPact MCCB |
| Product Or Component Type | Circuit breaker |
| Product Name | GoPact MCCB 125 |
| Device Application | Distribution |
| Poles Description | 3P |
| Protected Poles Description | 3D |
| [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 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 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 Flat on the back |
| Upside Connection | Front |
| Downside Connection | Front |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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|---|--|
| Connection Terminals | screw terminals |
| Connection Pitch | 25 mm |
| Protection Type | L : for overload protection (thermal) 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 |
| Width (W) | 75 mm |
| Height (H) | 130 mm |
| Depth (D) | 60 mm |
| Net Weight | 0.7 kg |
| Colour | Grey (RAL 7035) |

Environment

| | |
|---------------------------------------|--|
| Standards | EN/IEC 60947-1 EN/IEC 60947-2 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 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 | 8.5 cm |
| Package 1 Length | 13.9 cm |
| Package 1 Weight | 908 g |
| Unit Type Of Package 2 | S02 |
| Number Of Units In Package 2 | 8 |
| Package 2 Height | 15 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 7.579 kg |
| Unit Type Of Package 3 | P06 |

| | |
|-------------------------------------|------------|
| Number Of Units In Package 3 | 128 |
| Package 3 Height | 75 cm |
| Package 3 Width | 60 cm |
| Package 3 Length | 80 cm |
| Package 3 Weight | 129.764 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-CO₂ products.

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

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



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](#)