

Product datasheet

Specifications



Circuit breaker, GoPact MCCB 125, 3 poles, 10kA at 415VAC, 50A rating, TMD trip unit, adjustable thermal protection

G12T3A50

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 | 50 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 | 10 kA Icu at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA Icu at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Performance level | T 10 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

| | |
|--|--|
| [U _i] rated insulation voltage | 440 V AC conforming to EN/IEC 60947-2 |
| [U _{imp}] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-2 |
| [I _{cs}] rated service short-circuit breaking capacity | 10 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 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 |

| | |
|---|--|
| Connection terminals | screw terminals |
| Connection pitch | 25 mm |
| Protection type | L : for overload protection (thermal) I : for short-circuit protection (magnetic) |
| Trip unit rating | 50 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 | 10 x In |
| 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.

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[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](#)