

Product datasheet

Specifications



Circuit breaker, GoPact MCCB 800, 3 poles, 50kA at 415VAC, 800A rating, TMD trip unit, adjustable thermal protection

G80N3TM800

Main

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| Range of product | GoPact MCCB |
| Product or component type | Circuit breaker |
| Product name | GoPact MCCB 800 |
| Device application | Distribution |
| Poles description | 3P |
| Protected poles description | 3D |
| [In] rated current | 800 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 | 50 kA Icu at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 65 kA Icu at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Performance level | N 50 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

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|---|--|
| [Ui] rated insulation voltage | 440 V AC conforming to EN/IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to EN/IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 50 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 65 kA at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Mechanical durability | 15000 cycles |
| Electrical durability | 3000 cycles at 415 V In |
| Power dissipation per pole | 70 W |
| Mounting support | Backplate |
| Mounting position | Horizontal and vertical Flat on the back |

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|---|--|
| Upside connection | Front |
| Downside connection | Front |
| Connection terminals | screw terminals |
| Connection pitch | 60 mm |
| Protection type | L : for overload protection (thermal) I : for short-circuit protection (magnetic) |
| Trip unit rating | 800 A at 40 °C |
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable |
| [Ir] long-time protection pick-up adjustment range | 0.7...1 x In |
| Long-time protection delay adjustment type tr | Fixed |
| Instantaneous protection pick-up adjustment type li | Fixed |
| [li] instantaneous protection pick-up adjustment range | 8 x In |
| Width (W) | 180 mm |
| Height (H) | 250 mm |
| Depth (D) | 105 mm |
| Net weight | 6.9 kg |
| Colour | Grey (RAL 7035) |

Environment

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|---------------------------------------|--|
| 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

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 18 cm |
| Package 1 Width | 27 cm |
| Package 1 Length | 29 cm |
| Package 1 Weight | 11050 g |

Offer Sustainability

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|--------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |

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|-----------------------------------|---|
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| PVC free | Yes |

Recommended replacement(s)