

Product datasheet

Specifications



circuit breaker EasyPact EZC100H - TMD - 50 A - 2 poles 2d

EZC100H2050

Main

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|--|---|
| Range of product | EasyPact |
| Product or component type | Circuit breaker |
| Device short name | EasyPact EZC100H |
| Circuit breaker name | EasyPact EZC100H |
| Device application | Distribution |
| Poles description | 2P |
| Protected poles description | 2t |
| Network type | DC AC |
| Network frequency | 50/60 Hz |
| [In] rated current | 50 A at 40 °C |
| [Ui] rated insulation voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-2 |
| [Ue] rated operational voltage | 550 V AC 50/60 Hz conforming to IEC 60947-2 250 V DC conforming to IEC 60947-2 |
| Breaking capacity code | H |
| Breaking capacity | 10 kA Icu at 125 V DC 1P conforming to IEC 60947-2 10 kA Icu at 250 V DC 2P conforming to IEC 60947-2 10 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | 15 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 125 V DC conforming to IEC 60947-2 5 kA at 250 V DC conforming to IEC 60947-2 50 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category A |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit rating | 50 A at 50 °C |

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|---------------------------------------|---|
| Protection type | Short-circuit protection Overload protection |
| Pollution degree | 3 conforming to IEC 60664-1 3 conforming to IEC 947-1 |
| Complementary | |
| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Mechanical durability | 8500 cycles |
| Electrical durability | Category A: 1500 cycles 415 V AC 50/60 Hz conforming to IEC 60947-2 |
| Connection pitch | 25 mm |
| Local signalling | Positive contact indication |
| Neutral protection setting | Without protection |
| Earth-leakage protection | Without |
| Height | 130 mm |
| Width | 50 mm |
| Depth | 60 mm |
| Environment | |
| Standards | JIS C8201-2-2 EN/IEC 60947-1 GB/T 14048.2 EN/IEC 60947-2 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -35...85 °C |
| Packing Units | |
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 9.5 cm |
| Package 1 Width | 5.7 cm |
| Package 1 Length | 14.0 cm |
| Package 1 Weight | 552.0 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 18 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 10.336 kg |
| Unit Type of Package 3 | P12 |

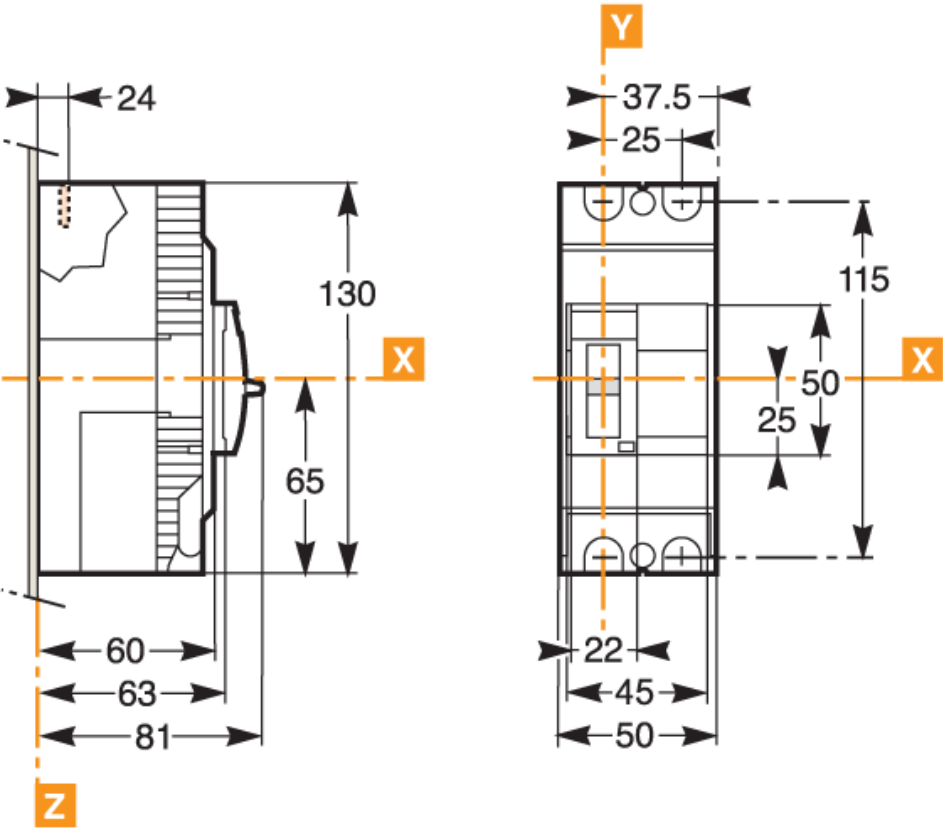
| | |
|------------------------------|--------|
| Number of Units in Package 3 | 576 |
| Package 3 Height | 75 cm |
| Package 3 Width | 120 cm |
| Package 3 Length | 80 cm |
| Package 3 Weight | 344 kg |

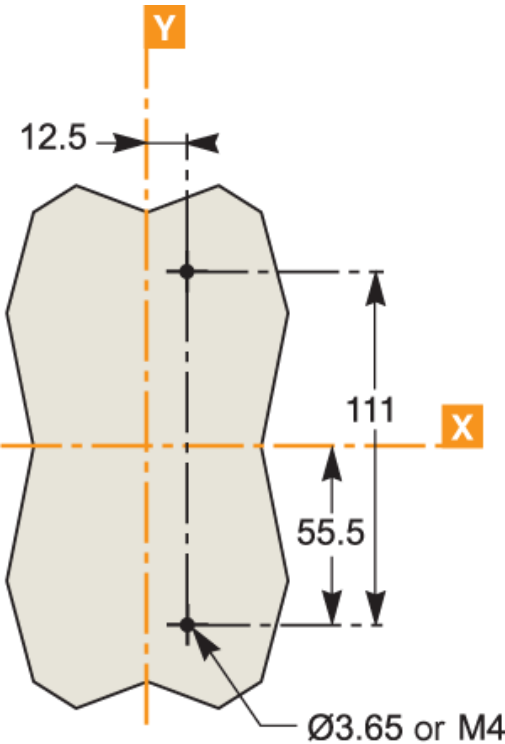
Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

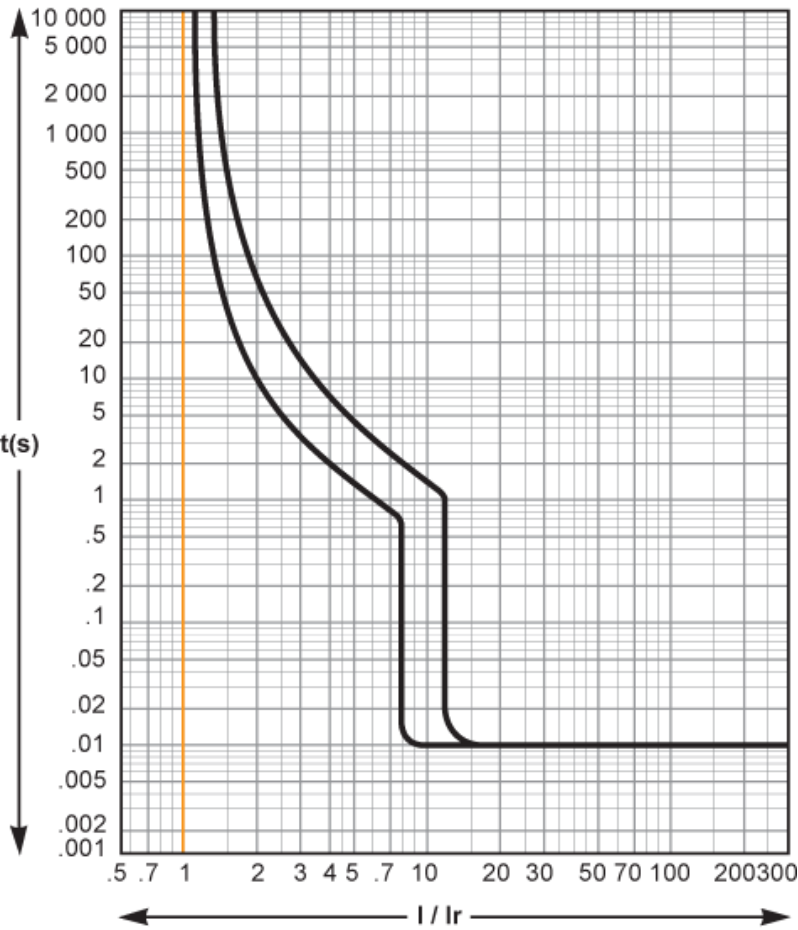
Contractual warranty

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| Warranty | 18 months |
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Performance Curves



Recommended replacement(s)