

Product datasheet

Specifications



circuit breaker Easypact EZC250N - TMD - 160 A - 4 poles 3d

EZC250N4160

Main

| | |
|--|---|
| Range of product | EasyPact |
| Product or component type | Circuit breaker |
| Device short name | Easypact EZC250N |
| Circuit breaker name | Easypact EZC250N |
| Device application | Distribution |
| Poles description | 4P |
| Protected poles description | 3t |
| Network type | AC DC |
| Network frequency | 50/60 Hz |
| [In] rated current | 160 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 | N |
| Breaking capacity | 20 kA Icu at 440 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 20 kA Icu at 125 V DC 1P conforming to IEC 60947-2 20 kA Icu at 250 V DC 2P conforming to IEC 60947-2 8 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | 10 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 125 V DC conforming to IEC 60947-2 10 kA at 250 V DC conforming to IEC 60947-2 4 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 380...415 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 | 160 A at 50 °C |
| Protection type | Short-circuit protection Overload protection |

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|------------------|---------------------------|
| Pollution degree | 3 conforming to IEC 60947 |
|------------------|---------------------------|

Complementary

| | |
|----------------------------|---|
| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Mechanical durability | 10000 cycles |
| Electrical durability | Category A: 5000 cycles 415 V AC 50/60 Hz conforming to IEC 60947-2 |
| Connection pitch | 35 mm |
| Local signalling | Positive contact indication |
| Neutral protection setting | Without protection |
| Earth-leakage protection | Without |
| Height | 165 mm |
| Width | 140 mm |
| Depth | 60 mm |

Environment

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|---------------------------------------|---|
| Standards | JIS C8201-2-2 EN/IEC 60947-2 GB/T 14048.2 EN/IEC 60947-1 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to EN 50102 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -35...85 °C |

Packing Units

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 11.0 cm |
| Package 1 Width | 14.5 cm |
| Package 1 Length | 18.5 cm |
| Package 1 Weight | 2.24 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 13.927 kg |
| Unit Type of Package 3 | PAL |
| Number of Units in Package 3 | 96 |
| Package 3 Height | 72.0 cm |

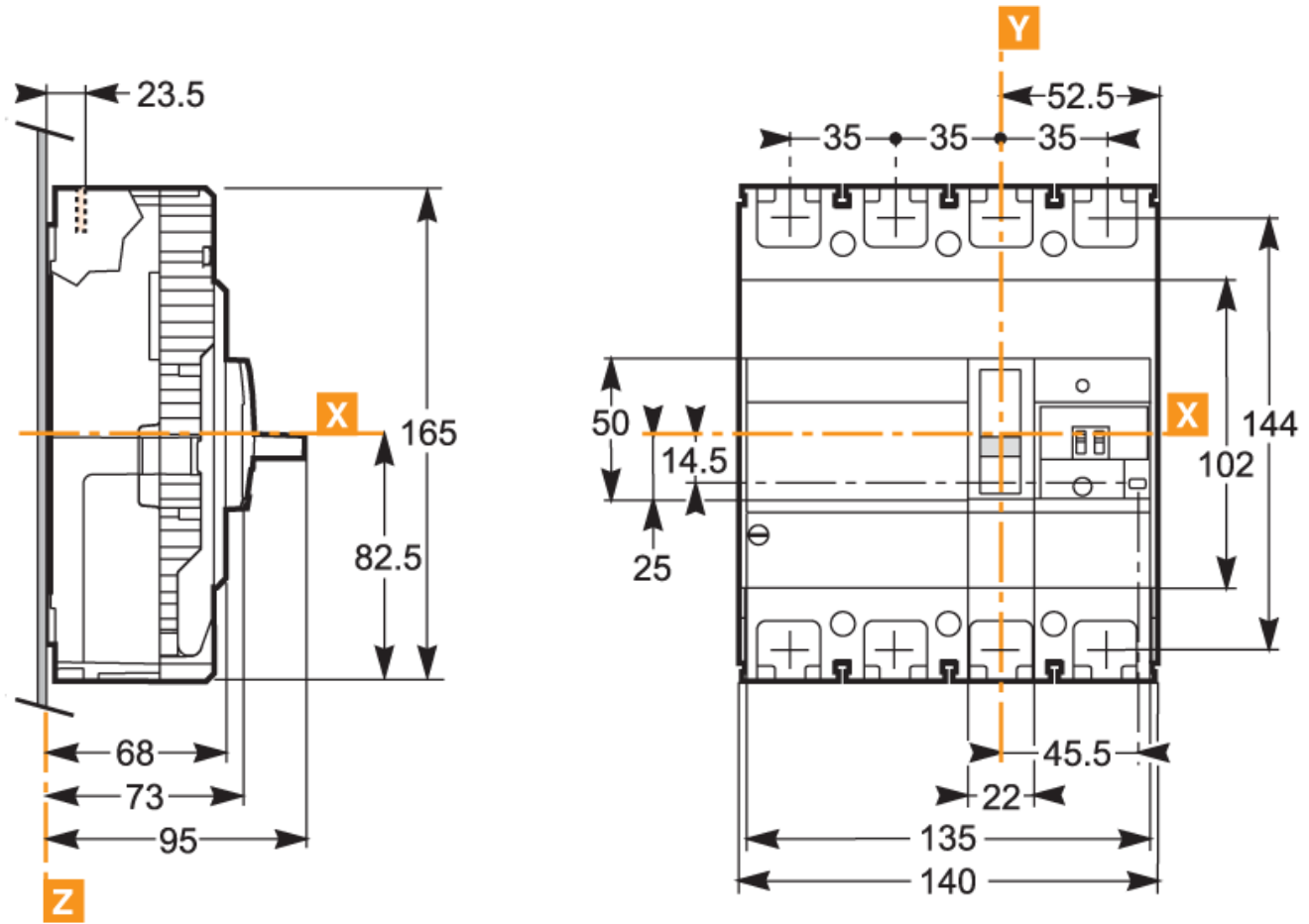
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|------------------|-----------|
| Package 3 Width | 125.0 cm |
| Package 3 Length | 96.0 cm |
| Package 3 Weight | 215.04 kg |

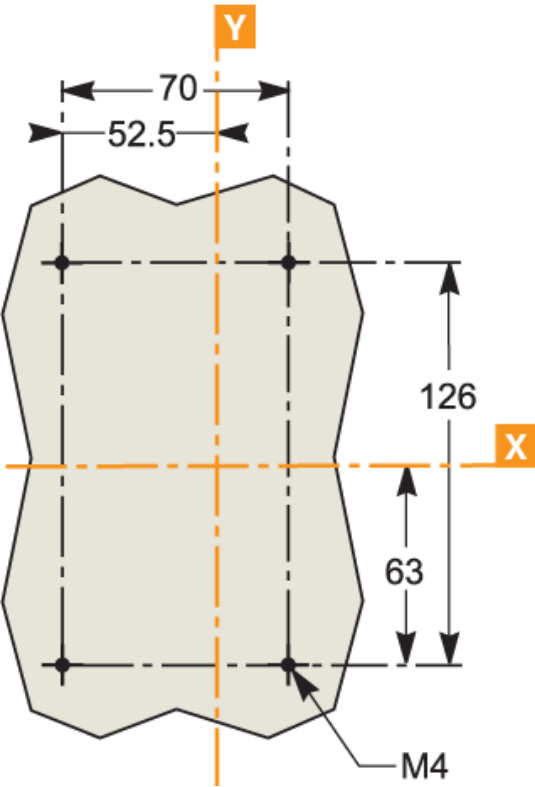
Offer Sustainability

| | |
|----------------------------|---|
| 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 |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

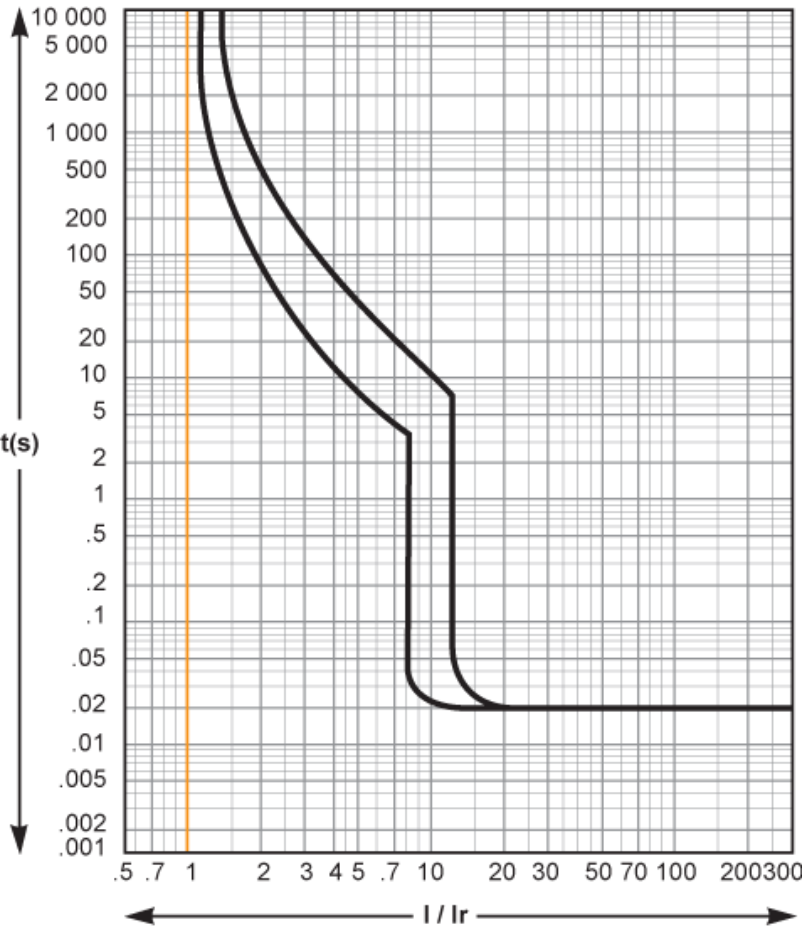
Contractual warranty

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| Warranty | 18 months |
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Performance Curves



Recommended replacement(s)