# Product datasheet

Specifications

## circuit breaker Easypact EZC250N - TMD - 125 A - 3 poles 3d

EZC250N3125

## 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** | 3P |
| **Protected poles description** | 3t |
| **Network type** | AC<br>DC |
| **Network frequency** | 50/60 Hz |
| **[In] rated current** | 125 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<br>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<br>50 kA Icu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>20 kA Icu at 125 V DC 1P conforming to IEC 60947-2<br>20 kA Icu at 250 V DC 2P conforming to IEC 60947-2<br>25 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2<br>8 kA Icu at 550 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<br>25 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2<br>10 kA at 125 V DC conforming to IEC 60947-2<br>10 kA at 250 V DC conforming to IEC 60947-2<br>25 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>4 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2<br>12.5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>12.5 kA at 400/415 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** | 125 A at 50 °C |
| **Protection type** | Short-circuit protection<br>Overload protection |

| | |
|---|---|
| **Pollution degree** | 3 conforming to IEC 60664-1<br>3 conforming to IEC 947-1 |

## Complementary

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|---|---|
| **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** | 105 mm |
| **Depth** | 60 mm |

## Environment

| | |
|---|---|
| **Standards** | EN/IEC 60947-1<br>GB/T 14048.2<br>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** | 11.4 cm |
| **Package 1 Width** | 11.8 cm |
| **Package 1 Length** | 18.4 cm |
| **Package 1 Weight** | 1.582 kg |
| **Unit Type of Package 2** | S03 |
| **Number of Units in Package 2** | 8 |
| **Package 2 Height** | 30 cm |
| **Package 2 Width** | 30 cm |
| **Package 2 Length** | 40 cm |
| **Package 2 Weight** | 13.24 kg |
| **Unit Type of Package 3** | P12 |
| **Number of Units in Package 3** | 64 |

| | |
|---|---|
| **Package 3 Height** | 50 cm |
| **Package 3 Width** | 80 cm |
| **Package 3 Length** | 120 cm |
| **Package 3 Weight** | 117.91 kg |

## Contractual warranty

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|---|---|
| **Warranty** | 12 months |

## Sustainability

**Green Premium$^{TM}$ 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-$CO_2$ 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

| | |
|---|---|
| Reach Free Of Svhc | |
| Rohs Exemption Information | Yes |

## Certifications & Standards

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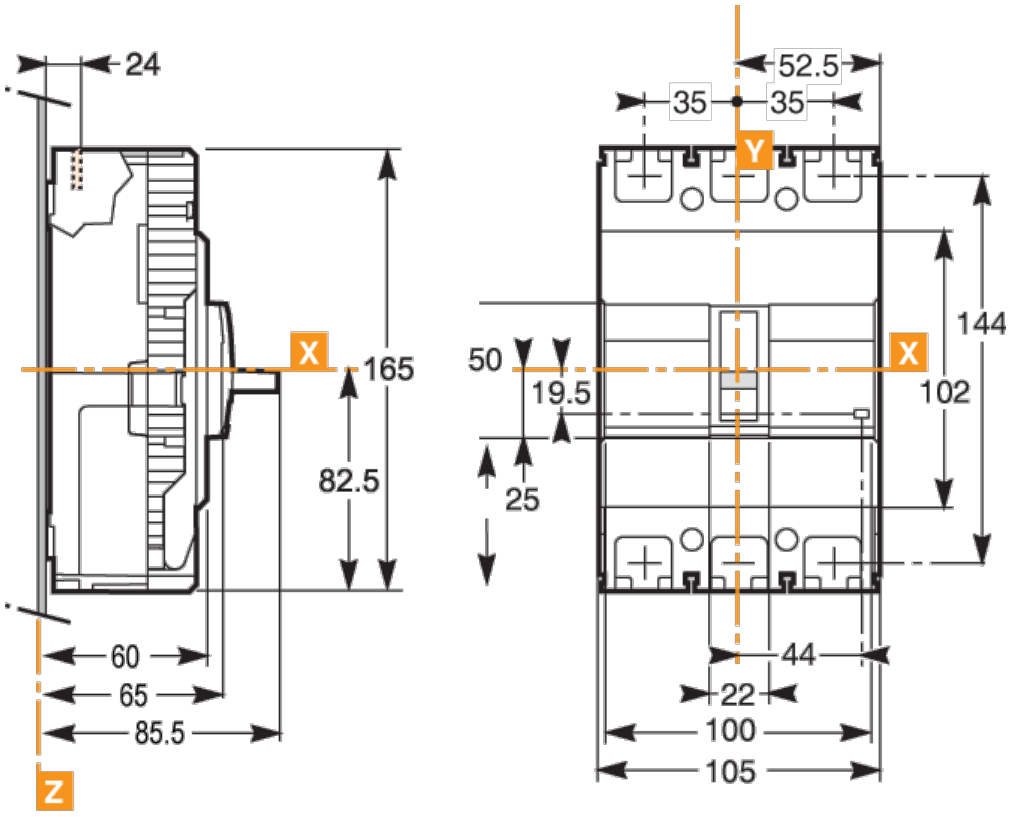
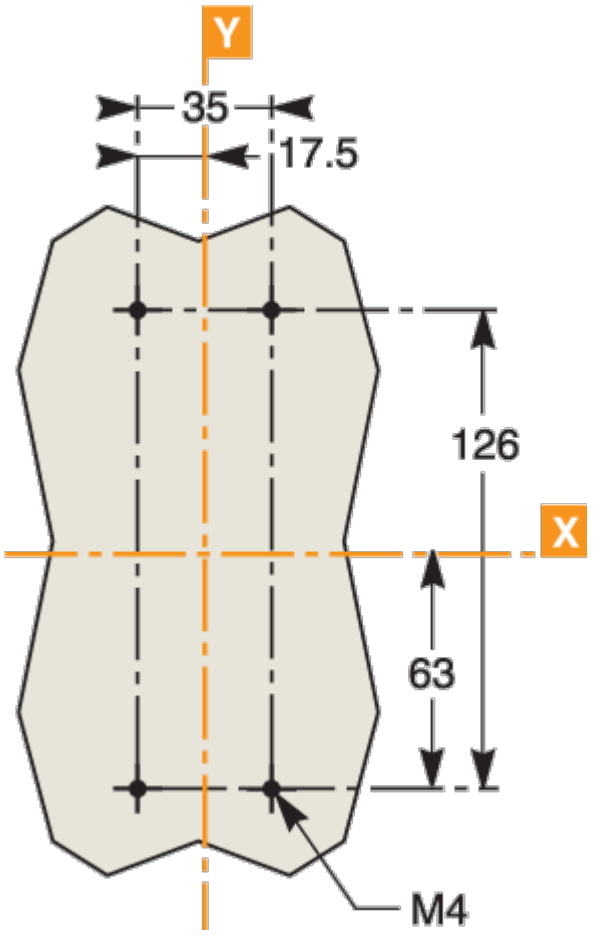
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| **Circularity Profile** | No need of specific recycling operations |

Dimensions Drawings



Assembly



Performance Curves