

# Product datasheet

Specifications



## circuit breaker EasyPact EZC100H - TMD - 60 A - 1 pole 1d

EZC100H1060

### Main

|                                        |                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                      | 1P                                                                                                                                                                                                                                                                                                                 |
| Protected poles description            | 1t                                                                                                                                                                                                                                                                                                                 |
| Network type                           | AC<br>DC                                                                                                                                                                                                                                                                                                           |
| Network frequency                      | 50/60 Hz                                                                                                                                                                                                                                                                                                           |
| [In] rated current                     | 60 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         | 125 V DC conforming to IEC 60947-2<br>415 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                                  |
| Breaking capacity code                 | H                                                                                                                                                                                                                                                                                                                  |
| Breaking capacity                      | 10 kA Icu at 125 V DC 1P conforming to IEC 60947-2<br>25 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>5 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>5 kA Icu at 400...415 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 |
| [Ics] rated service breaking capacity  | 5 kA at 125 V DC conforming to IEC 60947-2<br>12.5 kA at 220/230/240 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>2.5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>2.5 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                       | 60 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

|                            |                                                                     |
|----------------------------|---------------------------------------------------------------------|
| 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                      | 25 mm                                                               |
| Depth                      | 60 mm                                                               |

Environment

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Standards                             | JIS C8201-2-2<br>EN/IEC 60947-2<br>GB/T 14048.2<br>EN/IEC 60947-1 |
| 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             | 3.1 cm    |
| Package 1 Width              | 9.6 cm    |
| Package 1 Length             | 14.0 cm   |
| Package 1 Weight             | 345.0 g   |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 32        |
| Package 2 Height             | 15.0 cm   |
| Package 2 Width              | 30.0 cm   |
| Package 2 Length             | 40.0 cm   |
| Package 2 Weight             | 11.412 kg |
| Unit Type of Package 3       | P12       |
| Number of Units in Package 3 | 1024      |
| Package 3 Height             | 75 cm     |
| Package 3 Width              | 120 cm    |

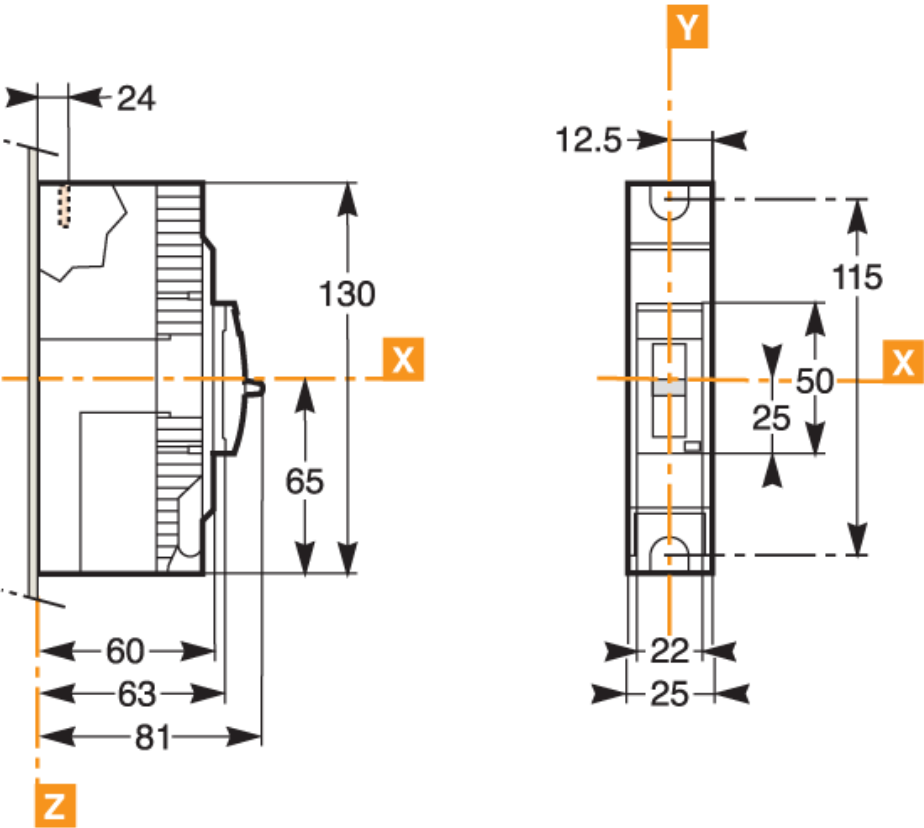
|                  |        |
|------------------|--------|
| Package 3 Length | 80 cm  |
| Package 3 Weight | 378 kg |

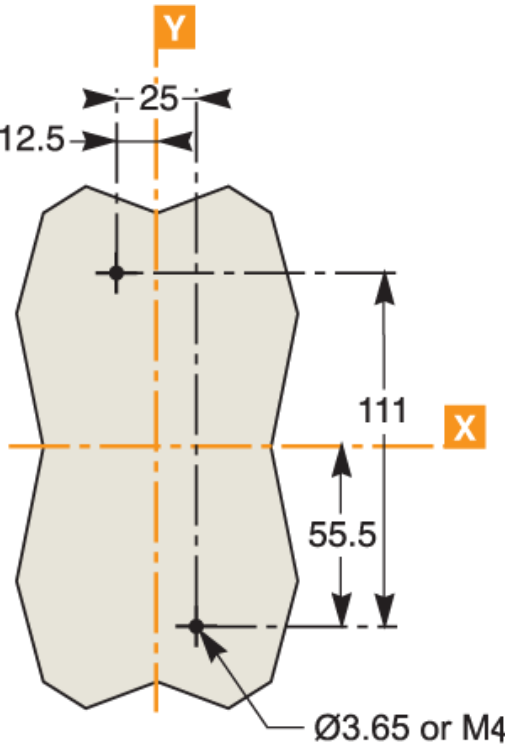
### Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| REACH free of SVHC         | Yes                                                                                                                         |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                            |
| Toxic heavy metal free     | Yes                                                                                                                         |
| Mercury free               | Yes                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>                                                                                      |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                               |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

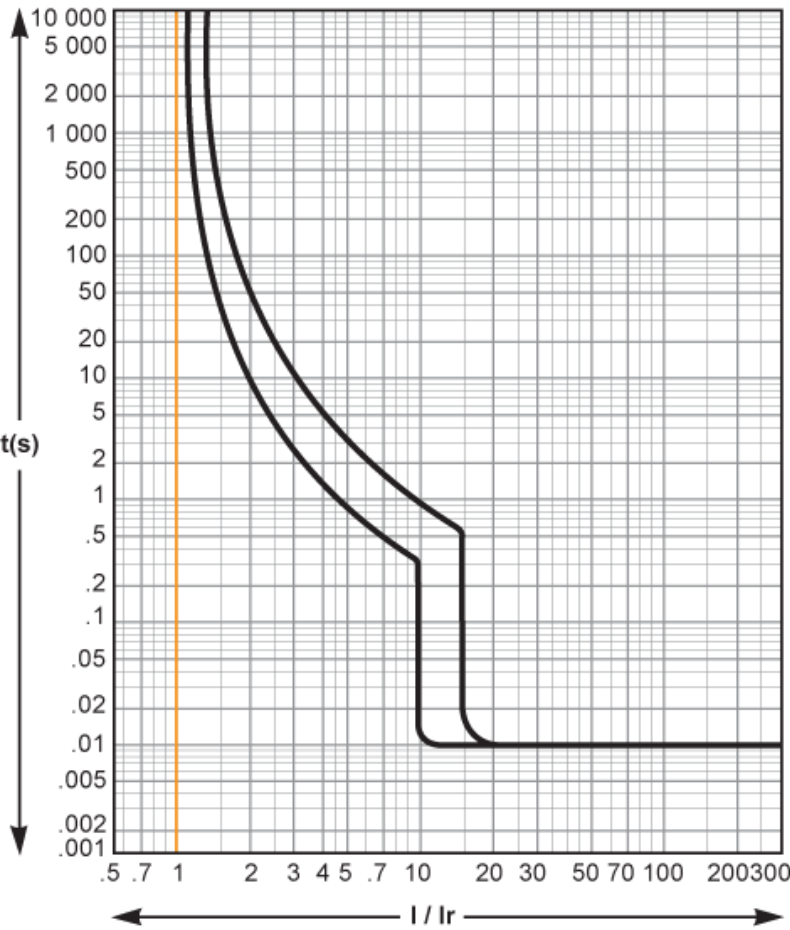
### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|





Performance Curves



Recommended replacement(s)