

# Product datasheet

Specifications



## circuit breaker Easypact EZC100H - TMD - 40 A - 4 poles 3d

EZC100H4040

### 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                      | 4P  |
| Protected poles description            | 3t  |
| Network type                           | AC<br>DC  |
| Network frequency                      | 50/60 Hz  |
| [In] rated current                     | 40 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                 | H   |
| Breaking capacity                      | 10 kA Icu at 125 V DC 1P conforming to IEC 60947-2<br>10 kA Icu at 250 V DC 2P conforming to IEC 60947-2<br>10 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2<br>20 kA Icu at 440 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>30 kA Icu at 380...400 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA Icu at 415 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>5 kA at 250 V DC conforming to IEC 60947-2<br>5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>2.5 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2<br>15 kA at 380...400 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 110...130 V AC 50/60 Hz conforming to IEC 60947-2<br>7.5 kA at 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                       | 40 A at 50 °C   |

|                                       |   |
|---------------------------------------|---|
| Protection type                       | Overload protection<br>Short-circuit protection                     |
| Pollution degree                      | 3 conforming to IEC 60947   |
| <b>Complementary</b>                  |   |
| 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                                 | 100 mm  |
| Depth                                 | 60 mm   |
| <b>Environment</b>                    |   |
| Standards                             | GB/T 14048.2<br>JIS C8201-2-2<br>EN/IEC 60947-1<br>EN/IEC 60947-2   |
| 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   |
| <b>Packing Units</b>                  |   |
| Unit Type of Package 1                | PCE   |
| Number of Units in Package 1          | 1   |
| Package 1 Height                      | 9.5 cm  |
| Package 1 Width                       | 13.5 cm   |
| Package 1 Length                      | 11.0 cm   |
| Package 1 Weight                      | 1.058 kg  |
| Unit Type of Package 2                | S02   |
| Number of Units in Package 2          | 9   |
| Package 2 Height                      | 15.0 cm   |
| Package 2 Width                       | 30.0 cm   |
| Package 2 Length                      | 40.0 cm   |
| Package 2 Weight                      | 9.571 kg  |
| Unit Type of Package 3                | P12   |
| Number of Units in Package 3          | 288   |

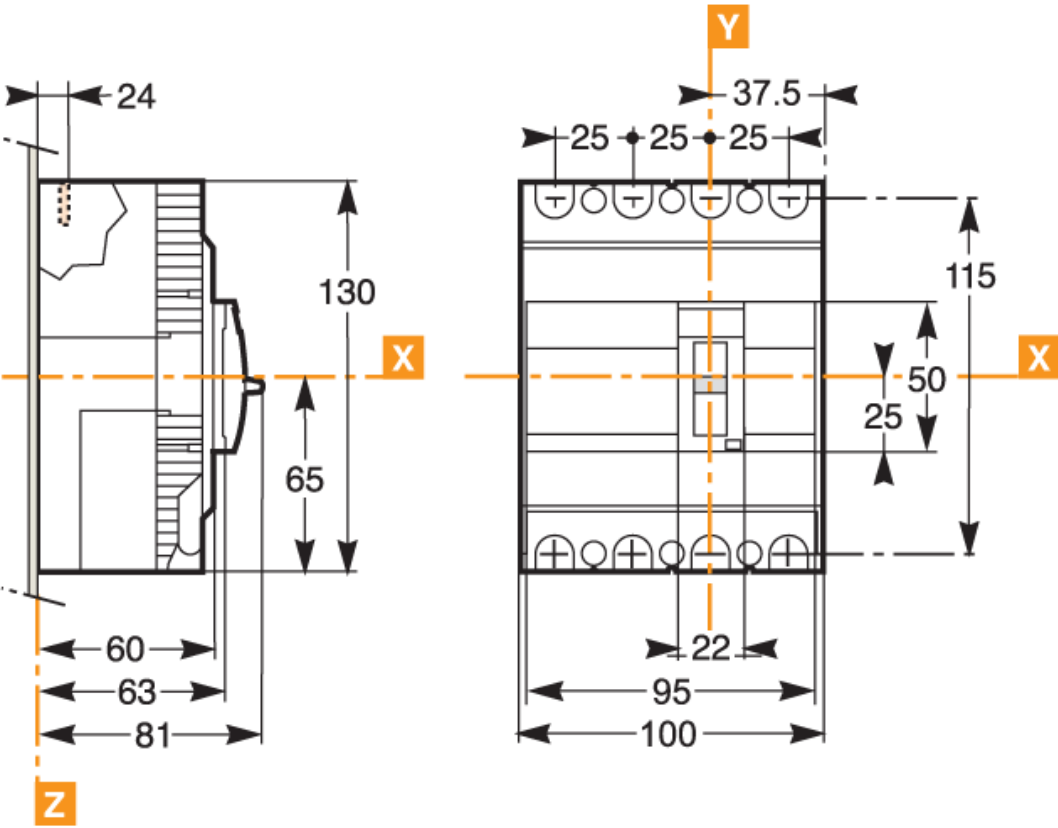
|                  |        |
|------------------|--------|
| Package 3 Height | 75 cm  |
| Package 3 Width  | 120 cm |
| Package 3 Length | 80 cm  |
| Package 3 Weight | 319 kg |

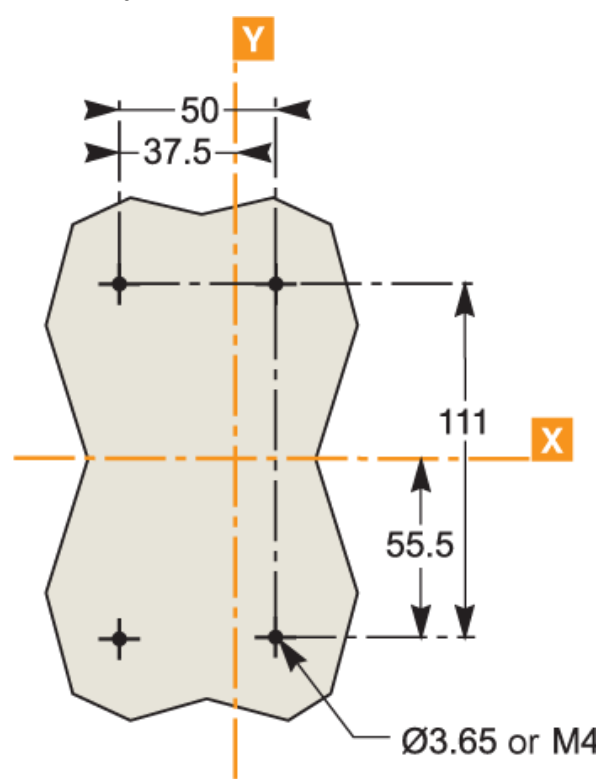
Offer Sustainability

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

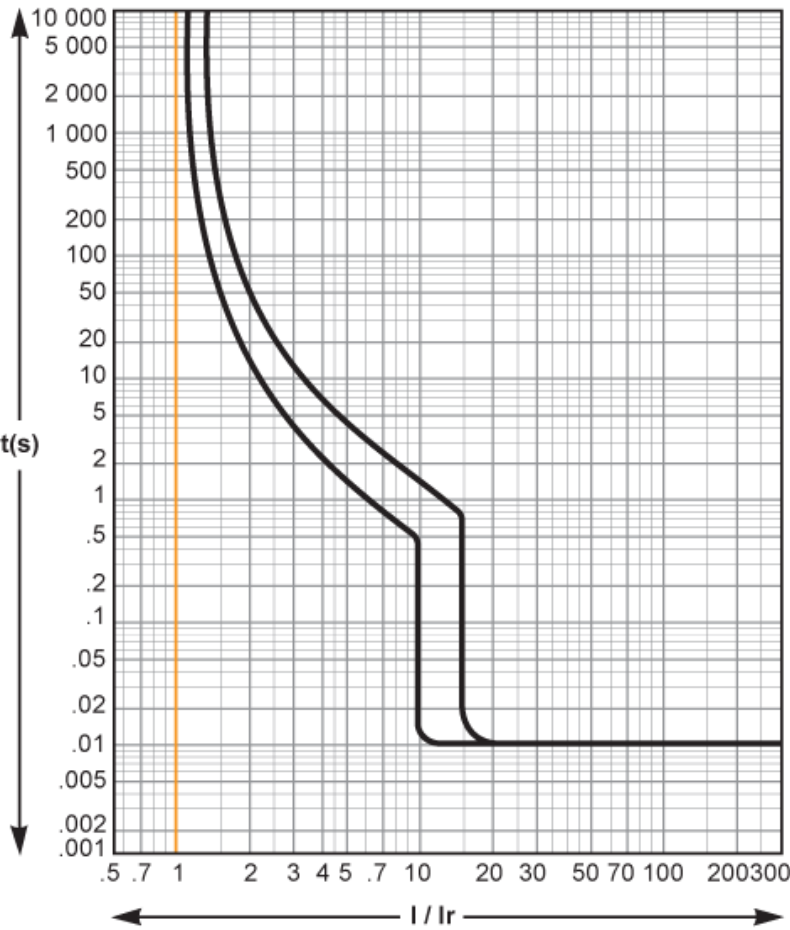
Contractual warranty

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





Performance Curves



Recommended replacement(s)