

Product data sheet

Specifications



circuit breaker EasyPact EZC100H - TMD - 45 A - 4 poles 3d

EZC100H4045

⚠ Discontinued on: Mar 31, 2021

⚠ Discontinued

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 | DC AC |
| Network Frequency | 50/60 Hz |
| [In] Rated Current | 45 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 50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 380...400 V AC 50/60 Hz conforming to IEC 60947-2 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 5 kA at 250 V DC 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 15 kA at 380...400 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 50 kA at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 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 | 45 A at 50 °C |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|------------------|---------------------------|
| Protection Type | Overload protection |
| | Short-circuit protection |
| 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 | 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 |

Environment

| | |
|---------------------------------------|------------------------------|
| Standards | GB/T 14048.2 |
| | EN/IEC 60947-1 |
| | JIS C8201-2-2 |
| | 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 |

Packing Units

| | |
|------------------------------|----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 9.5 cm |
| Package 1 Width | 14 cm |
| Package 1 Length | 11 cm |
| Package 1 Weight | 1.066 kg |

Contractual warranty

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

Sustainability

Green Premium™ 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-CO₂ 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

✓ Toxic Heavy Metal Free

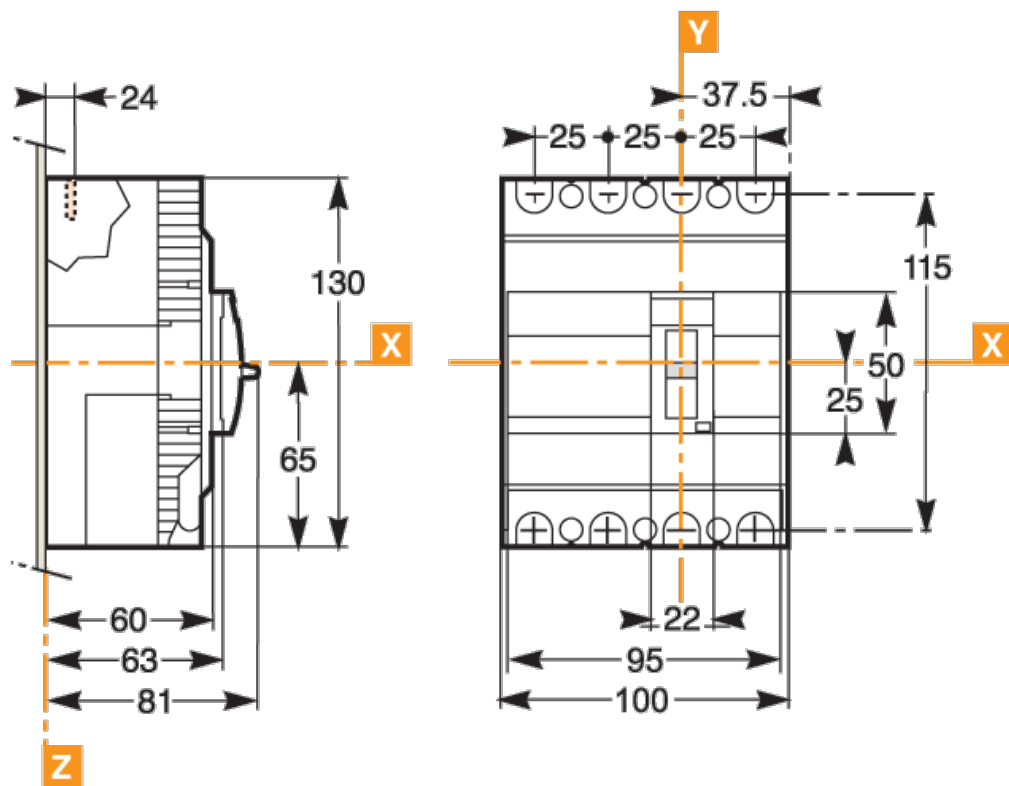
✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

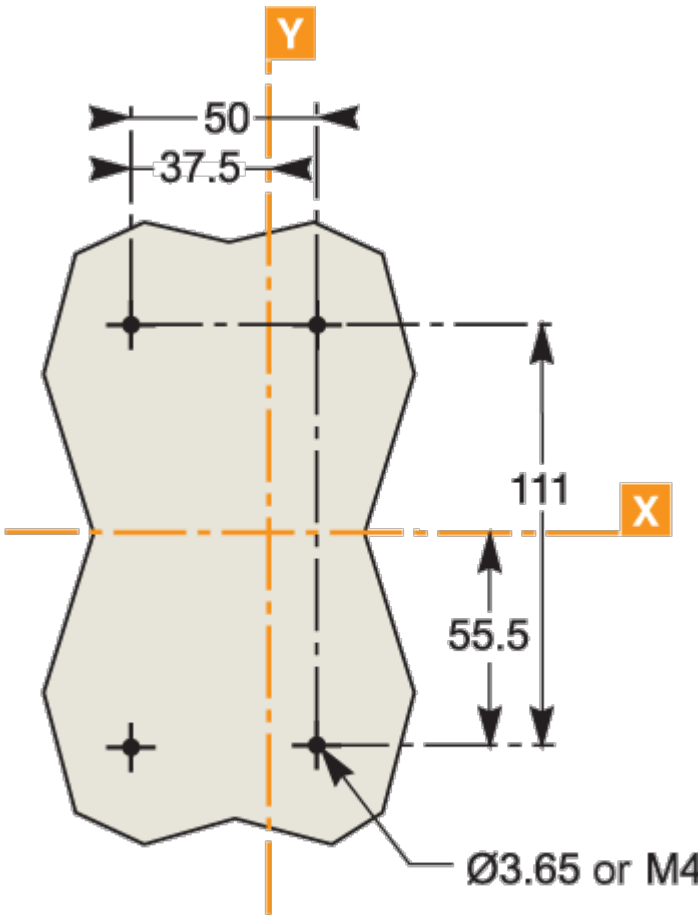
Certifications & Standards

| | |
|--------------------------|---|
| Eu Rohs Directive | Compliant EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration |
| 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 |

Dimensions Drawings



Assembly



Performance Curves

