

Product datasheet

Specifications



circuit breaker, EasyPact EZS100E with TMD trip unit, 50A, 3P/3d

EZS100E3050

⚠ Discontinued on: Sep 13, 2024 AD

⚠ Discontinued

Main

| | |
|-----------------------------|-----------------|
| Range of product | EasyPact EZS |
| Product or component type | Circuit breaker |
| Device short name | EZS100E |
| Circuit breaker application | Distribution |
| Poles description | 3P |
| Protected poles description | 3D |
| Breaking capacity code | E |
| Control type | Toggle |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Upside connection | Front |
| Downside connection | Front |
| [In] rated current | 50 A at 40 °C |

Complementary

| | |
|--|--|
| [Ui] rated insulation voltage | 690 V conforming to EN/IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-2 |
| [Ue] rated operational voltage | 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 400 V AC 50/60 Hz conforming to GB 14048.2 |
| Neutral position | Left |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Connection pitch | 25 mm |
| Breaking capacity | 50 kA Icu at 220/240 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA Icu at 380/400 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA Icu at 415 V AC 50/60 Hz conforming to EN/IEC 60947-2 17 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 40 kA Icu at 200/230 V AC 50/60 Hz conforming to GB 14048.2 25 kA Icu at 380/400 V AC 50/60 Hz conforming to GB 14048.2 |
| [Ics] rated service breaking capacity | 25 kA at 220/230 V AC 50/60 Hz conforming to GB 14048.2 13 kA at 380/400 V AC 50/60 Hz conforming to GB 14048.2 25 kA at 220/240 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA at 380/400 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Suitability for isolation | Yes |
| Utilisation category | Category A |

| | |
|---|--|
| Mechanical durability | 13000 cycles conforming to EN/IEC 60947-2 20000 cycles conforming to GB 14048.2 |
| Electrical durability | 4000 cycles 415 V In/2 conforming to EN/IEC 60947-2 8000 cycles 400 V In conforming to GB 14048.2 |
| Protection type | Short-circuit protection (magnetic) Overload protection (thermal) |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit rating | 50 A at 40 °C |
| Long time pick-up adjustment type Ir | Fixed |
| Long time pick-up adjustment range | 1 In |
| Long time delay adjustment type | Fixed |
| Instantaneous pick-up adjustment type Ii | Fixed |
| Integral instant protection | 500 kA |

Environment

| | |
|--|------------------------------|
| Standards | IEC 60947-2 EN 60947-2 |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Pollution degree | 3 conforming to IEC 60947-1 |
| Ambient air temperature for operation | -35...70 °C |
| Ambient air temperature for storage | -50...85 °C |
| Height | 130 mm |
| Width | 75 mm |
| Depth | 60 mm |
| Net weight | 0.78 kg |

Packing Units

| | |
|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 9.787 cm |
| Package 1 Width | 11.705 cm |
| Package 1 Length | 15.808 cm |
| Package 1 Weight | 870.0 g |

Contractual warranty

| | |
|-----------------------------|----|
| Warranty (in months) | 18 |
|-----------------------------|----|



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

| | |
|--|---|
| Total lifecycle Carbon footprint | 292 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Carbon footprint of the manufacturing phase [A1 to A3] | 7 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.2 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 284 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 2 kg CO2 eq. |

Use Better



Materials and Substances

| | |
|--|--|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Compliant By Exemption |

Use Longer



Lifetime extension

| | |
|--------|----|
| Repair | No |
|--------|----|

Use Again



Repack and remanufacture

| | |
|---------------------------------|---|
| End of life manual availability | End of Life Information |
| Take-back | No |