

Product datasheet

Specifications



EVS160E TM160D circuit breaker - 3P/3d

EVS160E3160

Main

| | |
|-----------------------------|-----------------|
| Range of product | EasyPact EZS |
| Product or component type | Circuit breaker |
| Device short name | EVS160E |
| Circuit breaker application | Distribution |
| Poles description | 3P |
| Protected poles description | 3d |
| Suitability for isolation | Yes |

Complementary

| | |
|--|--|
| Neutral position | Left |
| [In] rated current | 160 A at 40 °C |
| Breaking capacity code | E |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| [Ui] rated insulation voltage | 690 V conforming to EN/IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 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 |
| Breaking capacity | 40 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 20 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 40 kA Icu at 220/230 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 |
| Utilisation category | Category A |
| [Ics] rated service breaking capacity | 30 kA at 220/230 V AC 50/60 Hz conforming to GB 14048.2 19 kA at 380/400 V AC 50/60 Hz conforming to GB 14048.2 40 kA at 220/240 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA at 380/400 V AC 50/60 Hz conforming to EN/IEC 60947-2 |

25 kA at 415 V AC 50/60 Hz conforming to EN/IEC 60947-2
15 kA at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2

| | |
|---|---|
| Mechanical durability | 25000 cycles conforming to EN/IEC 60947-2 20000 cycles conforming to GB 14048.2 |
| Electrical durability | 25000 cycles 415 V In/2 conforming to EN/IEC 60947-2 8000 cycles 400 V In conforming to GB 14048.2 |
| Connection pitch | 35 mm |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit rating | 160 A at 40 °C |
| Protection type | Short-circuit protection (magnetic) Overload protection (thermal) |
| 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 li | Fixed |
| Integral instant protection | 1250 kA |
| Height | 161 mm |
| Width | 105 mm |
| Depth | 86 mm |
| Net weight | 2.2 kg |

Environment

| | |
|--|------------------------------|
| Standards | EN 60947-2 IEC 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 |

Packing Units

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|-------------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.718 kg |
| Package 1 Height | 13.3 cm |
| Package 1 width | 18.9 cm |
| Package 1 Length | 11.9 cm |

Offer Sustainability

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|---------------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |

| | |
|-----------------------------------|---|
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
