

EZC100H1080

circuit breaker, EasyPact EZC100H ,TMD,
80A ,1 pole 1d

Main

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| 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 DC |
| Network frequency | 50/60 Hz |
| [In] rated current | 80 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 60947-2 415 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 25 KA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 5 KA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 5 KA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 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 12.5 KA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2 25 KA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2 2.5 KA at 380 V AC 50/60 Hz conforming to IEC 60947-2 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 | 80 A at 50 °C |
| Protection type | Short-circuit protection Overload protection |
| Pollution degree | 3 conforming to IEC 60664-1 3 conforming to IEC 947-1 |

Complementary

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|---------------------|-----------|
| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |

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|----------------------------|---|
| Mechanical durability | 13000 cycles |
| Electrical durability | Category A: 4000 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

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

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.2 cm |
| Package 1 Width | 9.5 cm |
| Package 1 Length | 14 cm |
| Package 1 Weight | 354 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 32 |
| Package 2 Height | 15 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 11.57 kg |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 64 |
| Package 3 Height | 30 cm |
| Package 3 Width | 30 cm |
| Package 3 Length | 40 cm |
| Package 3 Weight | 23.143 kg |

Offer Sustainability

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|---|---|
| Packaging without single use plastic | No |
| Packaging made with recycled cardboard | Yes |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Circularity Profile | No need of specific recycling operations |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Take-back | No |
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 107 |

Contractual warranty

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| Warranty | 18 months |
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