

EZC100N4050

circuit breaker Easypact EZC100N - TMD - 50
A - 4 poles 3d

Main

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|--|---|
| Device short name | Easypact EZC100N |
| Circuit breaker application | Distribution |
| Poles description | 4P |
| Protected poles description | 3t |
| Network type | AC DC |
| Network frequency | 50/60 Hz |
| [In] rated current | 100 A (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 | 250 V DC conforming to IEC 60947-2 550 V AC 50/60 Hz conforming to IEC 60947-2 |
| Circuit breaker rating code | N |
| Breaking capacity | HIC 25 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 10 kA at 277/480 V AC 50/60 Hz conforming to NEMA AB1 Icu 10 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 5 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2 Icu 5 kA at 125 V DC 1P conforming to IEC 60947-2 Icu 5 kA at 250 V DC 2P conforming to IEC 60947-2 Icu 25 kA at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 Icu 25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 18 kA at 380...400 V AC 50/60 Hz conforming to IEC 60947-2 Icu 15 kA at 415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | Ics 2.5 kA 550 V AC 50/60 Hz conforming to IEC 60947-2 Ics 2.5 kA 125 V DC conforming to IEC 60947-2 Ics 2.5 kA 250 V DC conforming to IEC 60947-2 Ics 5 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 7.5 kA 415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 9 kA 380...400 V AC 50/60 Hz conforming to IEC 60947-2 Ics 12.5 kA 110...130 V AC 50/60 Hz conforming to IEC 60947-2 Ics 12.5 kA 220...240 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 technology | Thermal-magnetic |
| Trip unit rating | 50 A (50 °C) |
| Protection type | Overload protection Short-circuit protection |
| Pollution degree | 3 conforming to IEC 60947 |

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Complementary

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

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|---------------------------------------|------------------------------|
| 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 |
| RoHS EUR conformity date | 0734 |
| RoHS EUR status | Compliant |