

# EZC100H1045

circuit breaker Easypact EZC100H - TMD - 45  
A - 1 pole 1d



## Main

|  |  |
|--|--|
| Device short name                      | Easypact EZC100H   |
| Circuit breaker application            | Distribution   |
| Poles description                      | 1P   |
| Protected poles description            | 1t   |
| Network type                           | AC<br>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         | 125 V DC conforming to IEC 60947-2<br>415 V AC 50/60 Hz conforming to IEC 60947-2  |
| Circuit breaker rating code            | H  |
| Breaking capacity                      | HIC 18 kA at 240 V AC 50/60 Hz conforming to NE-MA AB1<br>HIC 18 kA at 277 V AC 50/60 Hz conforming to NE-MA AB1<br>Icu 10 kA at 125 V DC 1P conforming to IEC 60947-2<br>Icu 50 kA at 110...130 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 5 kA at 380...400 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 5 kA at 415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity  | Ics 2.5 kA 380...400 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 2.5 kA 415 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 5 kA 125 V DC conforming to IEC 60947-2<br>Ics 12.5 kA 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 25 kA 110...130 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                       | 45 A ( 50 °C )   |
| Protection type                        | Overload protection<br>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                      | 25 mm   |
| Depth                      | 60 mm   |

## Environment

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