

# EZC250N44175

circuit breaker Easypact EZC250N - TMD - 175  
A - 4 poles 4d



## Main

|  |   |
|--|---|
| Device short name                      | Easypact EZC250N  |
| Circuit breaker application            | Distribution  |
| Poles description                      | 4P  |
| Protected poles description            | 4t  |
| Network type                           | AC<br>DC  |
| Network frequency                      | 50/60 Hz  |
| [In] rated current                     | 250 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<br>550 V AC 50/60 Hz conforming to IEC 60947-2   |
| Circuit breaker rating code            | N   |
| Breaking capacity                      | HIC 50 kA at 240 V AC 50/60 Hz conforming to NEMA AB1<br>HIC 18 kA at 277/480 V AC 50/60 Hz conforming to NEMA AB1<br>Icu 20 kA at 125 V DC 1P conforming to IEC 60947-2<br>Icu 20 kA at 250 V DC 2P conforming to IEC 60947-2<br>Icu 50 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 25 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 8 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity  | Ics 4 kA 550 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 10 kA 440 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 10 kA 125 V DC conforming to IEC 60947-2<br>Ics 10 kA 250 V DC conforming to IEC 60947-2<br>Ics 12.5 kA 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 25 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                       | 175 A ( 50 °C )   |
| Protection type                        | Overload protection<br>Short-circuit protection   |
| Pollution degree                       | 3 conforming to IEC 60947   |

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## Complementary

|                            |   |
|----------------------------|---|
| Control type               | Toggle  |
| Mounting mode              | Fixed   |
| Mounting support           | Backplate   |
| Upside connection          | Front   |
| Downside connection        | Front   |
| Mechanical durability      | 10000 cycles  |
| Electrical durability      | Category A: 5000 cycles 415 V AC 50/60 Hz conforming to IEC 60947-2 |
| Connection pitch           | 35 mm   |
| Local signalling           | Positive contact indication   |
| Neutral protection setting | Without protection  |
| Earth-leakage protection   | Without   |
| Height                     | 165 mm  |
| Width                      | 140 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              | 0801                         |
| RoHS EUR status                       | Compliant                    |