

# Product datasheet

Specifications



## circuit breaker EasyPact EZC250N - TMD - 175 A - 4 poles 3d

EZC250N4175

⚠ Discontinued on: 1 Sep 2021

⚠ Discontinued

### Main

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

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Complementary

|                            |                             |
|----------------------------|-----------------------------|
| Control type               | Toggle                      |
| Mounting mode              | Fixed                       |
| Mounting support           | Backplate                   |
| Upside connection          | Front                       |
| Downside connection        | Front                       |
| Mechanical durability      | 10000 cycles                |
| 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

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-2<br>JIS C8201-2-2<br>EN/IEC 60947-1<br>GB/T 14048.2 |
| 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                                                       |

## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

Environmental Disclosure

[Product Environmental Profile](#)

## Use Better



### Materials and Substances

EU RoHS Directive

[Compliant](#)

## Use Longer



### Lifetime extension

Repair

No

## Use Again



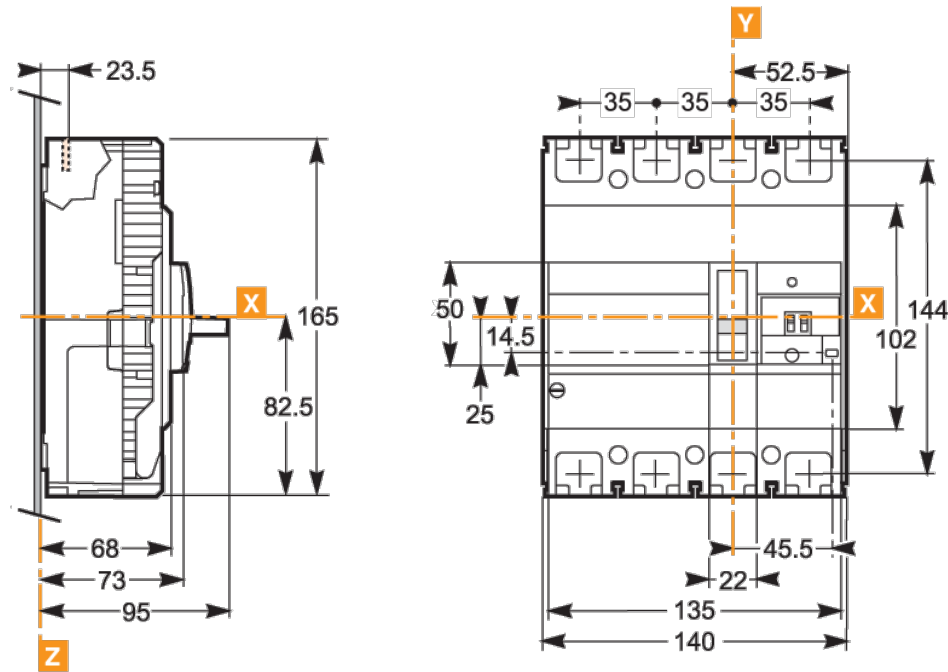
### Repack and remanufacture

WEEE Label

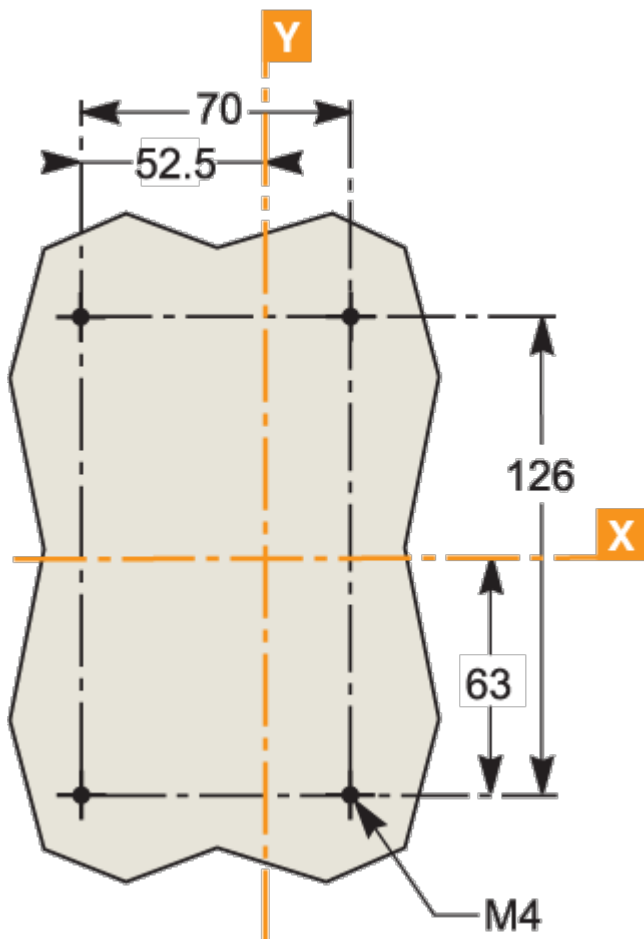


The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings



Assembly



Performance Curves

