

# Product datasheet

Specifications



## circuit breaker EasyPact EZCV250N - TMD - 175 A - 4 poles 4d

EZCV250N4175

⚠ Discontinued on: Jan 23, 2021

⚠ Discontinued

### Main

|                                        |                                                                                                                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product                       | EasyPact                                                                                                                                                                                     |
| Product or component type              | Circuit breaker                                                                                                                                                                              |
| Device short name                      | Easypact EZCV250N                                                                                                                                                                            |
| Circuit breaker name                   | Easypact EZCV250N                                                                                                                                                                            |
| Device application                     | Distribution                                                                                                                                                                                 |
| Poles description                      | 4P                                                                                                                                                                                           |
| Protected poles description            | 4t                                                                                                                                                                                           |
| Network type                           | AC                                                                                                                                                                                           |
| Network frequency                      | 50/60 Hz                                                                                                                                                                                     |
| [In] rated current                     | 175 A at 40 °C                                                                                                                                                                               |
| [Ui] rated insulation voltage          | 440 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         | 440 V AC 50/60 Hz 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>85 kA Icu at 220...240 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>42.5 kA at 220...240 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 40 °C                                                                                                                                                                               |
| Protection type                        | Earth-leakage protection<br>Overload protection<br>Short-circuit protection                                                                                                                  |
| Pollution degree                       | 3 conforming to IEC 60947                                                                                                                                                                    |

### Complementary

|               |        |
|---------------|--------|
| Control type  | Toggle |
| Mounting mode | Fixed  |

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

|                            |                             |
|----------------------------|-----------------------------|
| 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   | With                        |
| Height                     | 165 mm                      |
| Width                      | 140 mm                      |
| Depth                      | 68 mm                       |

## Environment

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

### Use Better

| Materials and Substances |                           |
|--------------------------|---------------------------|
| EU RoHS Directive        | <a href="#">Compliant</a> |

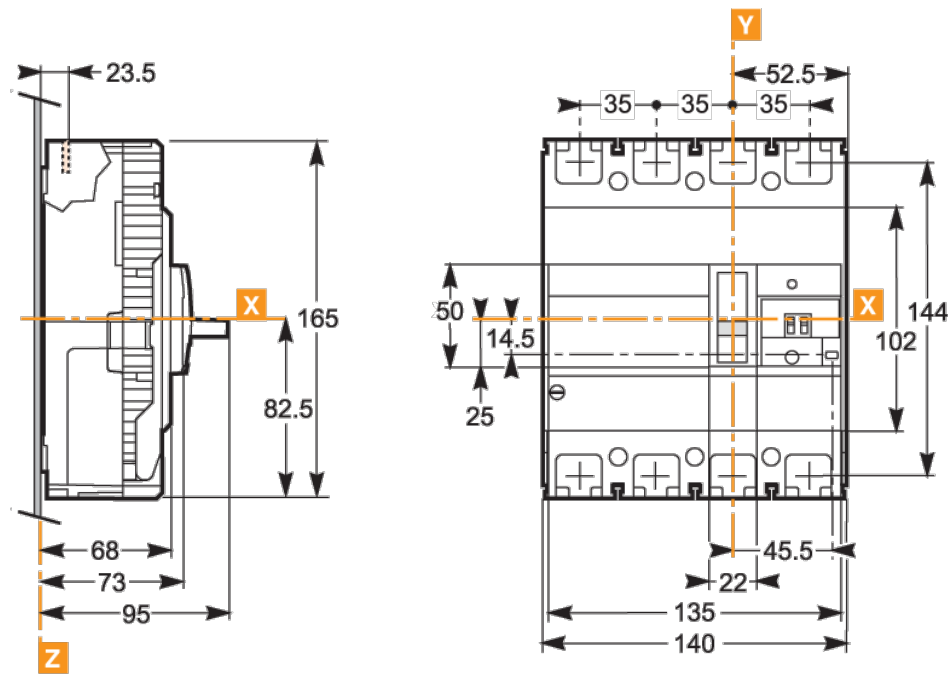
### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

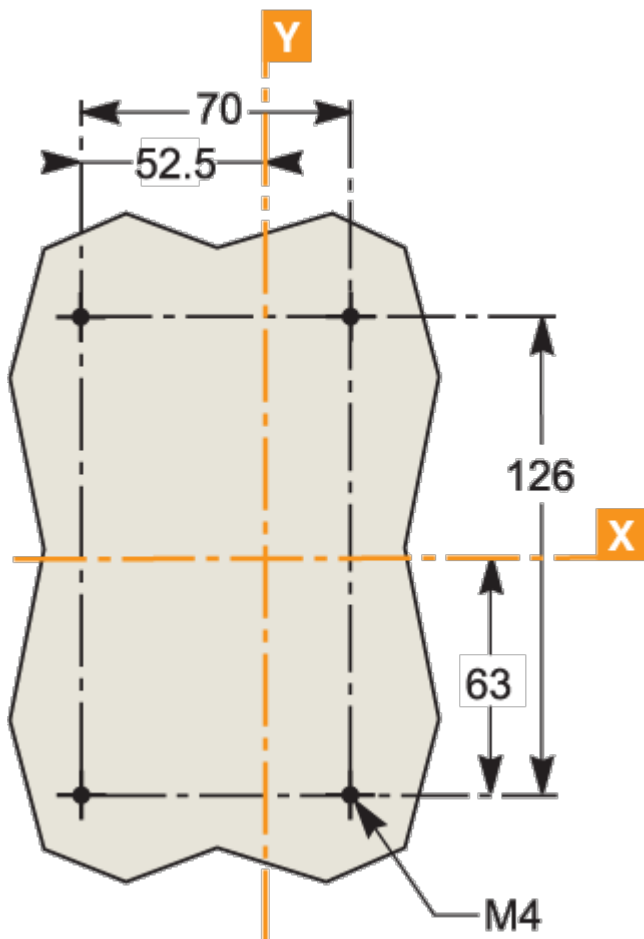
### Use Again

| Repack and remanufacture        |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| 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

