

# Product data sheet

Specifications



## circuit breaker EasyPact EZC100N - TMD - 80 A - 1 pole 1d

EZC100N1080

### Main

|  |   |
|--|---|
| Range Of Product                       | EasyPact  |
| Product Or Component Type              | Circuit breaker   |
| Device Short Name                      | EasyPact EZC100N  |
| Circuit Breaker Name                   | EasyPact EZC100N  |
| Device Application                     | Distribution  |
| Poles Description                      | 1P  |
| Protected Poles Description            | 1t  |
| Network Type                           | DC<br>AC  |
| Network Frequency                      | 50/60 Hz  |
| [In] Rated Current                     | 80 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         | 125 V DC conforming to IEC 60947-2<br>415 V AC 50/60 Hz conforming to IEC 60947-2   |
| Breaking Capacity Code                 | N   |
| Breaking Capacity                      | 25 kA Icu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2<br>5 kA Icu at 125 V DC 1P conforming to IEC 60947-2<br>18 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>2.5 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>2.5 kA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] Rated Service Breaking Capacity  | 12.5 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2<br>2.5 kA at 125 V DC conforming to IEC 60947-2<br>9 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>1.25 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>1.25 kA at 400/415 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                       | 80 A at 50 °C   |
| Protection Type                        | Short-circuit protection<br>Overload protection   |
| Pollution Degree                       | 3 conforming to IEC 60664-1<br>3 conforming to IEC 947-1  |

### Complementary

List Price displayed is VAT EXCLUSIVE.

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

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

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN/IEC 60947-1<br>GB/T 14048.2<br>EN/IEC 60947-2<br>JIS C8201-2-2 |
| Ip Degree Of Protection               | IP20 conforming to IEC 60529                                      |
| Ik Degree Of Protection               | IK07 conforming to IEC 62262                                      |
| 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        |
| Package 1 Height             | 14 cm    |
| Package 1 Width              | 3 cm     |
| Package 1 Length             | 9.5 cm   |
| Package 1 Weight             | 353 g    |
| Unit Type Of Package 2       | S02      |
| Number Of Units In Package 2 | 32       |
| Package 2 Height             | 15 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 11.53 kg |
| Unit Type Of Package 3       | P12      |
| Number Of Units In Package 3 | 1024     |
| Package 3 Height             | 75 cm    |
| Package 3 Width              | 80 cm    |

|                  |        |
|------------------|--------|
| Package 3 Length | 120 cm |
| Package 3 Weight | 378 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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Transparency   RoHS/REACH

Well-being performance

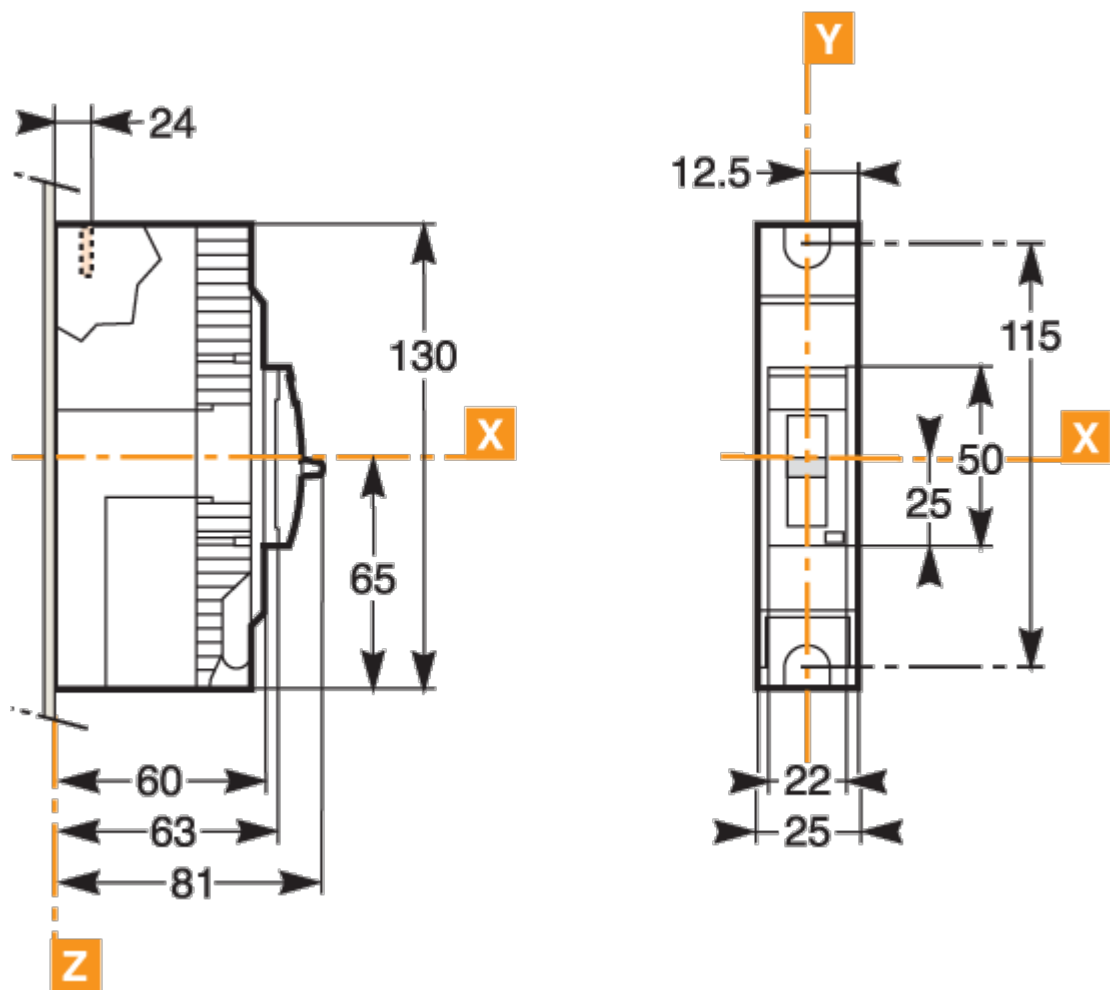
|   |                            |     |
|---|----------------------------|-----|
| ✓ | Reach Free Of Svhc         |     |
| ✓ | Toxic Heavy Metal Free     |     |
| ✓ | Mercury Free               |     |
| ✓ | Rohs Exemption Information | Yes |

Certifications & Standards

|                          |   |
|--------------------------|---|
| Reach Regulation         | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive        | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>   |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

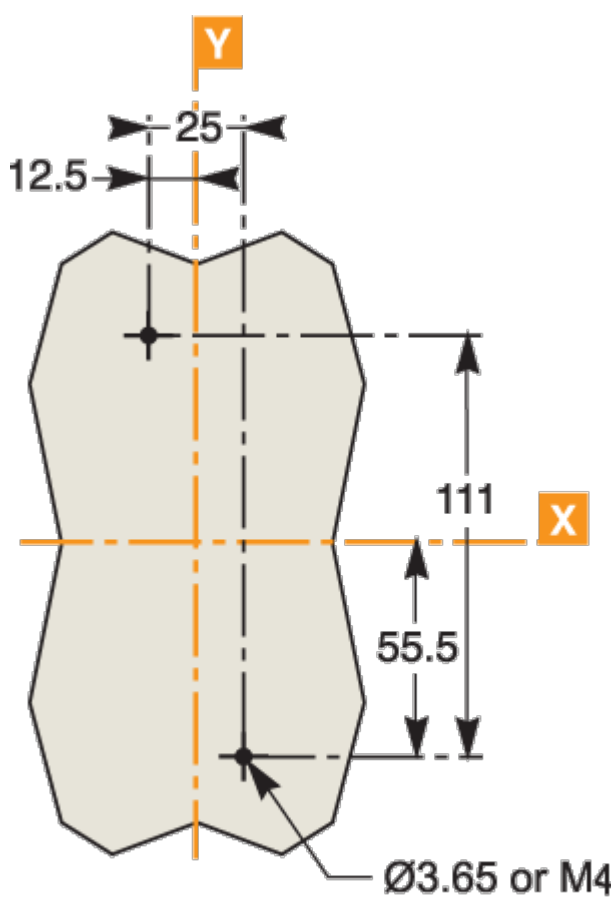
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Dimensions Drawings



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Assembly



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Performance Curves

