

# Product datasheet

Specifications



## circuit breaker EasyPact EZC630N - TMD - 500 A - 4 poles 3d

EZC630N4500N

Price: 13,212.85 ZAR

### Main

|                                        |                                                                                                                                                                                                                                                      |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range Of Product                       | EasyPact                                                                                                                                                                                                                                             |
| Product Or Component Type              | Circuit breaker                                                                                                                                                                                                                                      |
| Device Short Name                      | EasyPact EZC630N                                                                                                                                                                                                                                     |
| Circuit Breaker Name                   | EasyPact EZC630N                                                                                                                                                                                                                                     |
| Device Application                     | Distribution                                                                                                                                                                                                                                         |
| Poles Description                      | 4P                                                                                                                                                                                                                                                   |
| Protected Poles Description            | 3t                                                                                                                                                                                                                                                   |
| Network Type                           | AC<br>DC                                                                                                                                                                                                                                             |
| Network Frequency                      | 50/60 Hz                                                                                                                                                                                                                                             |
| [In] Rated Current                     | 630 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         | 250 V DC conforming to IEC 60947-2<br>440 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                    |
| Breaking Capacity Code                 | N                                                                                                                                                                                                                                                    |
| Breaking Capacity                      | 36 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>40 kA Icu at 220/230 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] Rated Service Breaking Capacity  | 18 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>40 kA at 220/230 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>36 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                       | 500 A at 50 °C                                                                                                                                                                                                                                       |
| Protection Type                        | Short-circuit protection<br>Overload protection                                                                                                                                                                                                      |
| Pollution Degree                       | 3 conforming to IEC 60947                                                                                                                                                                                                                            |

### Complementary

|              |        |
|--------------|--------|
| Control Type | Toggle |
|--------------|--------|

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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 Mode                        | Fixed                                                               |
| Mounting Support                     | Backplate                                                           |
| Upside Connection                    | Front                                                               |
| Downside Connection                  | Front                                                               |
| Mechanical Durability                | 10000 cycles                                                        |
| Electrical Durability                | Category A: 3000 cycles 415 V AC 50/60 Hz conforming to IEC 60947-2 |
| Connection Pitch                     | 45 mm                                                               |
| Local Signalling                     | Positive contact indication                                         |
| Contact Position Indicator           | Yes                                                                 |
| Magnetic Tripping Current            | 5000 A                                                              |
| Neutral Protection Setting           | Without protection                                                  |
| Long Time Pick-Up Adjustment Type Ir | Fixed                                                               |
| Long Time Delay Adjustment Type      | Fixed                                                               |
| Earth-Leakage Protection             | Without                                                             |
| Height                               | 255 mm                                                              |
| Width                                | 185 mm                                                              |
| Depth                                | 140 mm                                                              |
| Net Weight                           | 6.4 kg                                                              |
| Quantity Per Set                     | 1 piece                                                             |
| Colour                               | Black                                                               |

## Environment

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-1<br>JIS C8201-2-2<br>EN/IEC 60947-2<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       |
| Package 1 Height             | 15.0 cm |
| Package 1 Width              | 20.0 cm |
| Package 1 Length             | 30.0 cm |
| Package 1 Weight             | 7.73 kg |
| Unit Type Of Package 2       | S04     |
| Number Of Units In Package 2 | 3       |
| Package 2 Height             | 30.0 cm |
| Package 2 Width              | 40.0 cm |

|                  |           |
|------------------|-----------|
| Package 2 Length | 60.0 cm   |
| Package 2 Weight | 23.956 kg |

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.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

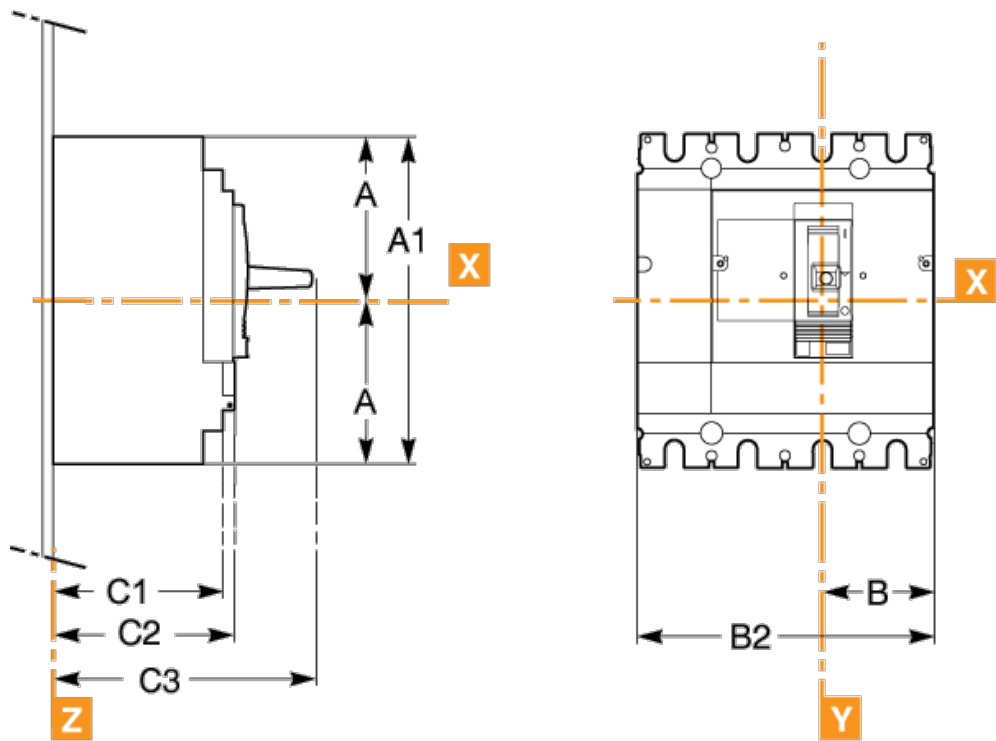
Well-being performance

|   |                            |     |
|---|----------------------------|-----|
| ✓ | Reach Free Of Svhc         |     |
| ✓ | Rohs Exemption Information | Yes |
| ✓ | Pvc Free                   |     |

Certifications & Standards

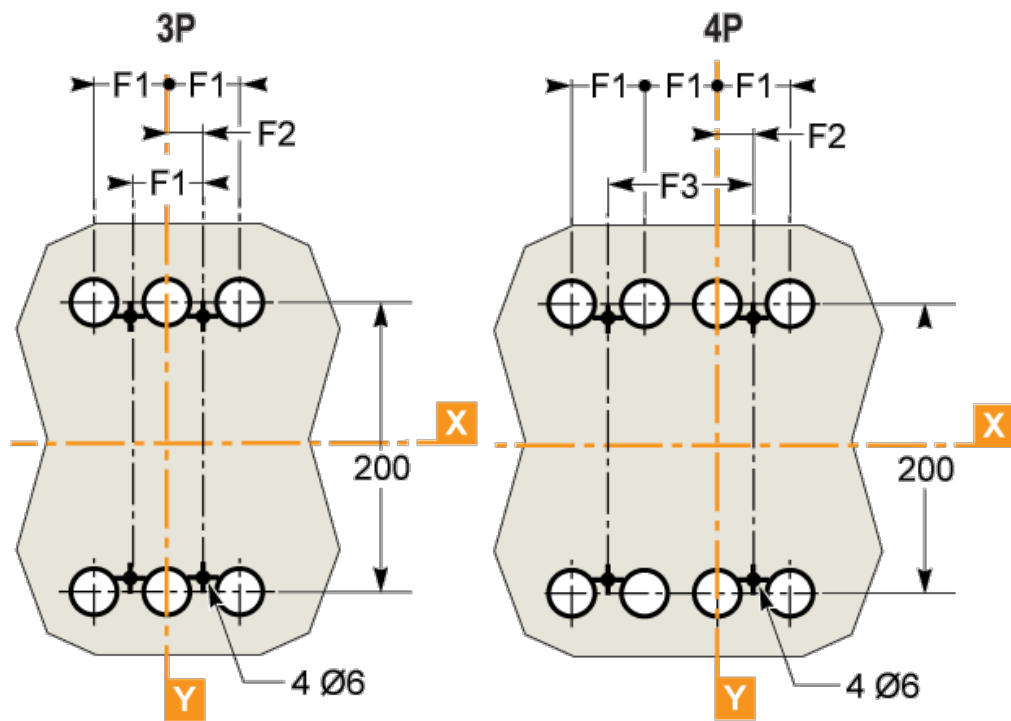
|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Compliant with Exemptions                                                                                                   |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| 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 |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                     |

Dimensions Drawings



| A     | A1  | B  | B1  | B2  | F1 | F2   | F3 |
|-------|-----|----|-----|-----|----|------|----|
| 127.5 | 255 | 70 | 140 | 185 | 45 | 22.5 | 90 |

Assembly



| A     | A1  | B  | B1  | B2  | F1 | F2   | F3 |
|-------|-----|----|-----|-----|----|------|----|
| 127.5 | 255 | 70 | 140 | 185 | 45 | 22.5 | 90 |

Performance Curves

