

# Product data sheet

Specifications



## circuit breaker Easypact EZC100H - TMD - 30 A - 3 poles 3d

EZC100H3030

### Main

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product                       | EasyPact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product or component type              | Circuit breaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Device short name                      | Easypact EZC100H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Circuit breaker name                   | Easypact EZC100H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Device application                     | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Poles description                      | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protected poles description            | 3t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Network type                           | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Network frequency                      | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| [In] rated current                     | 30 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                 | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Breaking capacity                      | 10 kA Icu at 125 V DC 1P conforming to IEC 60947-2<br>10 kA Icu at 250 V DC 2P conforming to IEC 60947-2<br>10 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity  | 15 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>5 kA at 125 V DC conforming to IEC 60947-2<br>5 kA at 250 V DC conforming to IEC 60947-2<br>50 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>2.5 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2<br>7.5 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                       | 30 A at 50 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protection type                        | Overload protection<br>Short-circuit protection                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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

|                  |                                                          |
|------------------|----------------------------------------------------------|
| Pollution degree | 3 conforming to IEC 60664-1<br>3 conforming to IEC 947-1 |
|------------------|----------------------------------------------------------|

## Complementary

|                            |                             |
|----------------------------|-----------------------------|
| Control type               | Toggle                      |
| Mounting mode              | Fixed                       |
| Mounting support           | Backplate                   |
| Upside connection          | Front                       |
| Downside connection        | Front                       |
| Mechanical durability      | 13000 cycles                |
| Connection pitch           | 25 mm                       |
| Local signalling           | Positive contact indication |
| Neutral protection setting | Without protection          |
| Earth-leakage protection   | Without                     |
| Height                     | 130 mm                      |
| Width                      | 75 mm                       |
| Depth                      | 60 mm                       |

## Environment

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Standards                             | JIS C8201-2-2<br>EN/IEC 60947-1<br>GB/T 14048.2<br>EN/IEC 60947-2 |
| 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             | 9.000 cm  |
| Package 1 Width              | 8.000 cm  |
| Package 1 Length             | 14.000 cm |
| Package 1 Weight             | 795.000 g |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 9.930 kg  |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 192       |

|                  |            |
|------------------|------------|
| Package 3 Height | 75.000 cm  |
| Package 3 Width  | 60.000 cm  |
| Package 3 Length | 80.000 cm  |
| Package 3 Weight | 161.140 kg |

## 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

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 127 kg CO2 eq.                                |
| Carbon footprint of the manufacturing phase [A1 to A3] | 7 kg CO2 eq.                                  |
| Carbon footprint of the distribution phase [A4]        | 0.2 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]        | 0.1 kg CO2 eq.                                |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 119 kg CO2 eq.                                |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 1 kg CO2 eq.                                  |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                   |
| Packaging without single use plastic   | No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards |
| SCIP Number                            | 2958c627-310e-4ae4-a905-31a369b1aaa8                                                                                                  |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

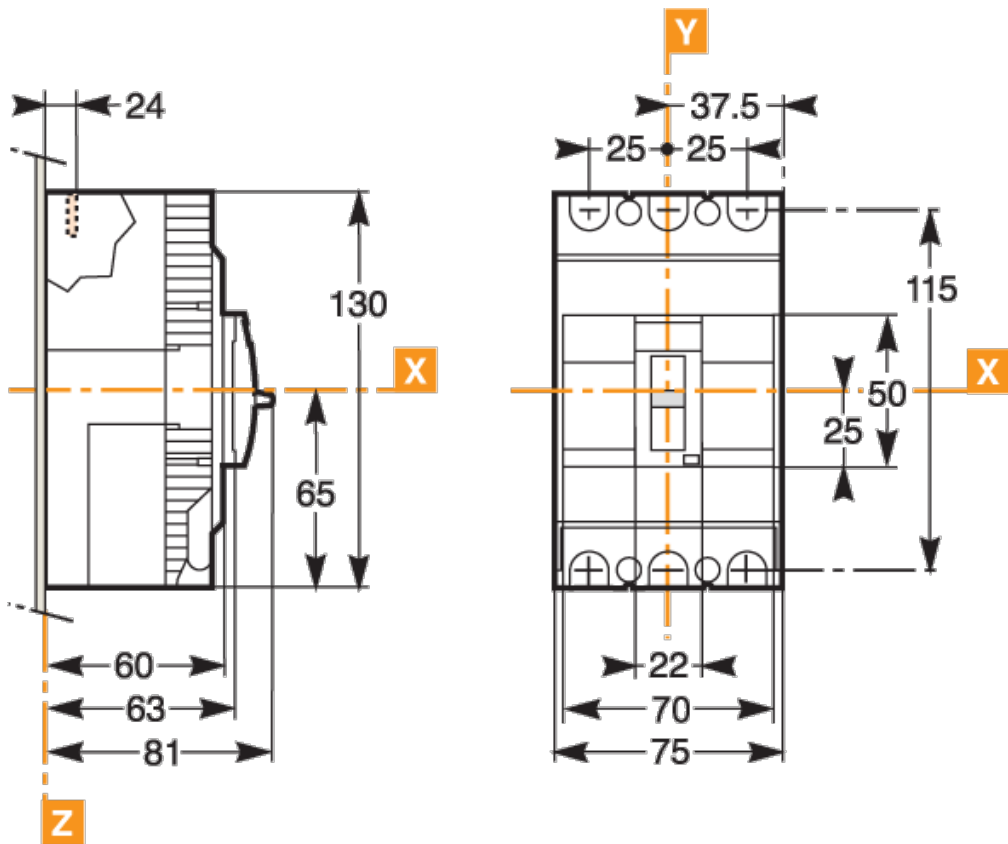
## Use Again



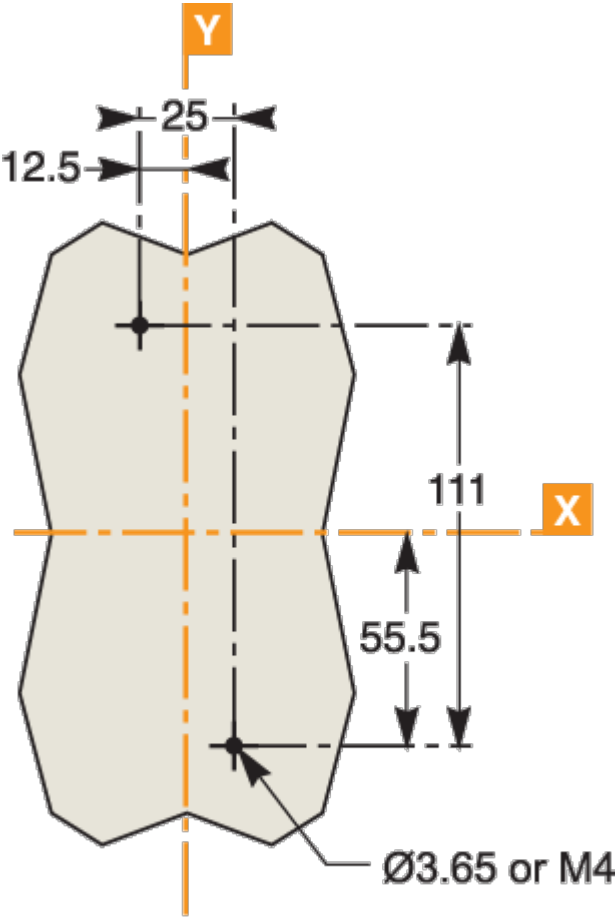
### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %   | 43                                                                                                                                                                                                              |
| End of life manual availability | No need of specific recycling operations                                                                                                                                                                        |
| Take-back                       | No                                                                                                                                                                                                              |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

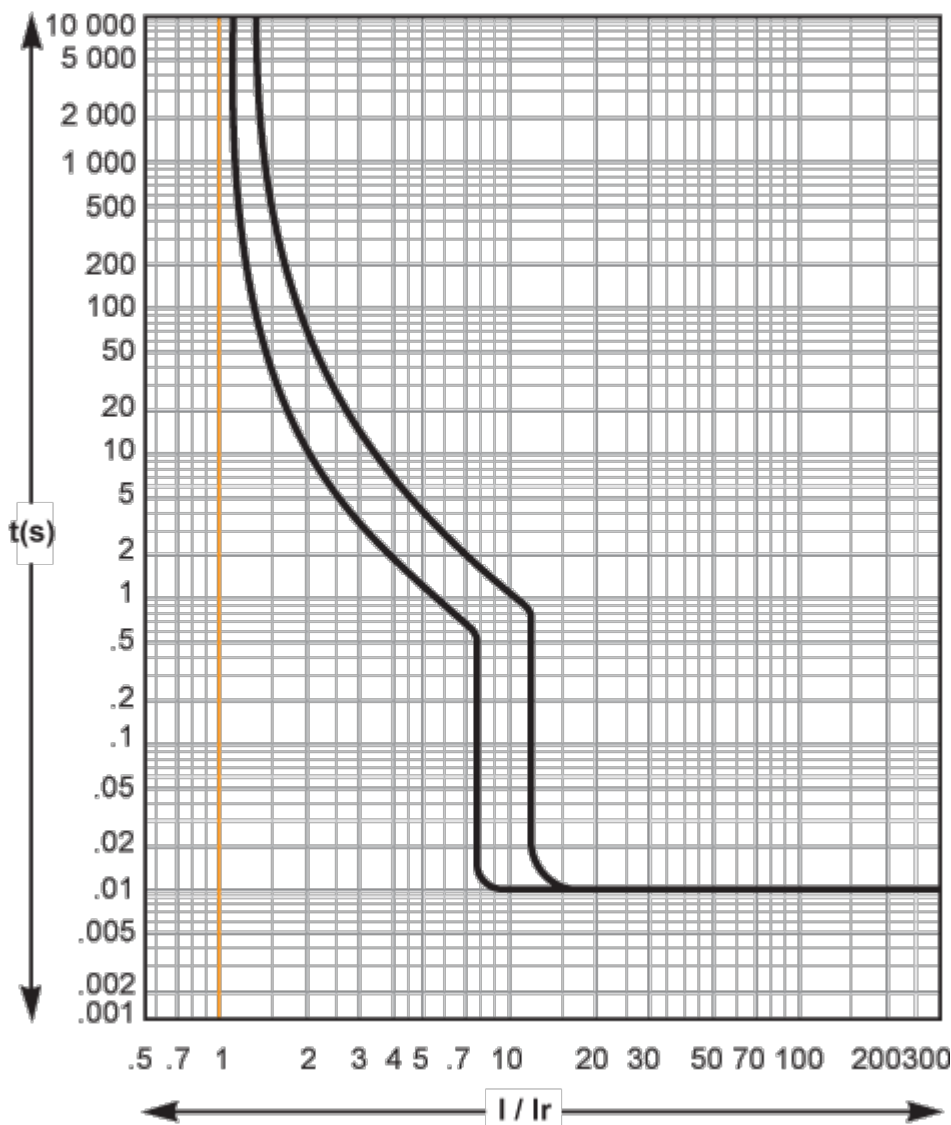
Dimensions Drawings



Assembly



Performance Curves



Offer Marketing Illustration

Product benefits / Features

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EasyPact EZC  
Technical Benefits

- ideal for simple applications in smaller buildings
- Rated current from 15 to 630 A
- Breaking capacity up to 50 kA at 400/415 V.
- 1, 2, 3 and 4 pole versions and 3 frame sizes.
- Thermal-magnetic for the entire range.
- Built-in integrated earth-leakage protection (EZC 250 ELCB).
- Compliance with international standards: IEC 60947-1 and 2, CCC, EAC and other local certifications.

Offer Marketing Illustration

Product benefits / Features



### EasyPact EZC

#### Range Accessories

Control Accessories



Direct rotary handle



Extended rotary handle

Electrical Auxiliaries



Indication contact



Voltage releases

Connection Accessories



Terminal extension



Cable connectors



Rear connectors

Insulation Accessories



Terminal shield



Interphase barriers

Plug-in Accessories



Offer Marketing Illustration

Product benefits / Features

### EasyPact EZC

#### Moulded Case Circuit Breaker



#### Easy to choose

A wide range of auxiliaries, and accessories for effortless selection and complete customization.



#### Effortless setup

Fixed front mounting, plug-in option, front connections, and interchangeable MCCB and ELCB for seamless adaptability.



#### Easy to use

Positive contact indication for enhanced safety and reliability with compact case optimized for tight spaces.



Technical Illustration

Assembly's dimensions

