



## Main

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|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                      | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Protected poles description            | 3t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Network type                           | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network frequency                      | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [In] rated current                     | 100 A ( 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>550 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                               |
| Breaking capacity code                 | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Breaking capacity                      | 10 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA Icu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA Icu at 220...240 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>5 kA Icu at 250 V DC 2P conforming to IEC 60947-2<br>5 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2<br>15 kA Icu at 415 V AC 50/60 Hz conforming to IEC 60947-2<br>18 kA Icu at 380...400 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity  | Ics 5 kA 440 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 9 kA 380...400 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 12.5 kA 110...130 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 12.5 kA 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 2.5 kA 125 V DC conforming to IEC 60947-2<br>Ics 2.5 kA 250 V DC conforming to IEC 60947-2<br>Ics 2.5 kA 550 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 7.5 kA 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 | 16 A ( 50 °C )                                  |
| Protection type  | Overload protection<br>Short-circuit protection |
| Pollution degree | 3 conforming to IEC 60947                       |

### Complementary

|                            |                                                                      |
|----------------------------|----------------------------------------------------------------------|
| 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                      | 75 mm                                                                |
| Depth                      | 60 mm                                                                |

### Environment

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

### Contractual warranty

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