

## PRODUCT-DETAILS

# DSN201E C10 AC10

## DSN201E C10 AC10 Residual Current Circuit Breakers with Overcurrent Protection RCBO



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | DSN201E C10 AC10                                                                                                                                                                                                                                                                                                                                                                            |
| Product ID            | 2CDB352500R0104                                                                                                                                                                                                                                                                                                                                                                             |
| EAN                   | 4022903004776                                                                                                                                                                                                                                                                                                                                                                               |
| Catalog Description   | DSN201E C10 AC10 Residual Current Circuit Breakers with Overcurrent Protection RCBO                                                                                                                                                                                                                                                                                                         |
| Long Description      | The DSN201E series is a 1P+N electronic RCBO in one-module width for the protection of end user single-phase circuits against overload and short-circuit currents protection against the effects of sinusoidal alternating earth fault currents protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA). The neutral is sectioned |

### Technical

|                                                     |                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------|
| Standards                                           | AS/NZS 61009-1<br>IEC/EN 61009-1                                   |
| Product Name                                        | Residual Current Circuit Breakers with Overcurrent Protection RCBO |
| Tripping Characteristic                             | C                                                                  |
| Type of Residual Current                            | AC type                                                            |
| Rated Operational Voltage                           | 240 V AC                                                           |
| Rated Insulation Voltage (U <sub>i</sub> )          | 440 V                                                              |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 6 kV                                                               |
| Input Voltage Type                                  | AC                                                                 |

|                                                                              |                                                                                              |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Rated Current ( $I_n$ )                                                      | 10 A                                                                                         |
| Rated Residual Current                                                       | 10 mA                                                                                        |
| Rated Short-Circuit Capacity ( $I_{cn}$ )                                    | 6 kA                                                                                         |
| Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ ) | 6 kA                                                                                         |
| Maximum Surge Current                                                        | 2.5 kA                                                                                       |
| Leakage Current Type                                                         | AC                                                                                           |
| Frequency (f)                                                                | 50/60 Hz                                                                                     |
| Rated Frequency (f)                                                          | 50 Hz<br>60 Hz                                                                               |
| Power Loss                                                                   | 3.3 W                                                                                        |
| Power Supply Connection                                                      | Arbitrary                                                                                    |
| Energy Limiting Class                                                        | 3                                                                                            |
| Electrical Endurance                                                         | 10000 cycle<br>20000 cycle                                                                   |
| Number of Poles                                                              | 1+N                                                                                          |
| Number of Protected Poles                                                    | 1                                                                                            |
| Operating Characteristic                                                     | Instantaneous                                                                                |
| Overvoltage Category                                                         | III                                                                                          |
| Position of Neutral Terminals                                                | Left                                                                                         |
| Earthing Switch Type                                                         | Undelayed                                                                                    |
| Accessories Available                                                        | Yes                                                                                          |
| Connecting Capacity                                                          | Busbar 10 mm <sup>2</sup><br>Flexible 1...16 mm <sup>2</sup><br>Rigid 1...25 mm <sup>2</sup> |
| Rated Cross-Section                                                          | 1 - Solid-Core 16 ... 25 mm <sup>2</sup><br>4 - Multi-Wired 16 ... 16 mm <sup>2</sup>        |

## Environmental

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Ambient Air Temperature | Operation -25 ... +40 °C<br>Storage -25 ... +70 °C |
| Degree of Protection    | IP20                                               |
| Pollution Degree        | 3                                                  |
| RoHS Status             | Following EU Directive 2011/65/EU                  |

## Technical UL/CSA

|                                     |        |
|-------------------------------------|--------|
| Short-Circuit Current Rating (SCCR) | 0.01 A |
|-------------------------------------|--------|

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 1        |
| Product Net Width                   | 17.8 mm  |
| Product Net Height                  | 86 mm    |
| Product Net Depth / Length          | 70 mm    |
| Product Net Weight                  | 0.125 kg |
| Built-In Depth ( $t_2$ )            | 70 mm    |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 38 mm         |
| Package Level 1 Height         | 136 mm        |
| Package Level 1 Depth / Length | 77 mm         |
| Package Level 1 Gross Weight   | 0.15 kg       |
| Package Level 1 EAN            | 4022903004776 |
| Package Level 2 EAN            | 4022903004776 |

## Ordering

|                         |             |
|-------------------------|-------------|
| Minimum Order Quantity  | 1 piece     |
| Customs Tariff Number   | 85363010    |
| Country of Origin       | Poland (PL) |
| Selling Unit of Measure | piece       |

## Certificates and Declarations (Document Number)

|                                |                     |
|--------------------------------|---------------------|
| Certification Agency           | AS/NZS<br>IEC<br>EN |
| Declaration of Conformity - CE | 9AKK107680A4413     |
| Instructions and Manuals       | 9AKK107680A6346     |
| RoHS Information               | 9AKK107680A4413     |

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107991A1266 |
| Instructions and Manuals          | 9AKK107680A6346 |

## Classifications

|                            |                                                                                    |
|----------------------------|------------------------------------------------------------------------------------|
| ETIM 6                     | EC000905 - Earth leakage circuit breaker                                           |
| ETIM 7                     | EC000905 - Earth leakage circuit breaker                                           |
| ETIM 8                     | EC000905 - Earth leakage circuit breaker                                           |
| EPLAN Catalog Tree         | Electrical engineering / Protection devices / Ground fault current circuit breaker |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm)                         |
| WEEE B2C / B2B             | Business To Consumer                                                               |
| CN8                        | 8536 30 10                                                                         |
| UNSPSC                     | 39121614                                                                           |
| eClass                     | V7.0 : 27142207                                                                    |
| Object Classification Code | F                                                                                  |

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## Categories

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Low Voltage Products and Systems → Modular DIN Rail Products → Residual Current Devices RCDs → Residual Current Circuit Breakers with Overcurrent Protection RCBO

