

## PRODUCT-DETAILS

# DSE201 B6 AC30 - N Blue

# DSE201 B6 AC30 - N Blue - RCBO



## General Information

|                       |                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | DSE201 B6 AC30 - N Blue                                                                                                                                                                                                                                                                                                                         |
| Product ID            | 2CSR255051R1065                                                                                                                                                                                                                                                                                                                                 |
| EAN                   | 8012542659228                                                                                                                                                                                                                                                                                                                                   |
| Catalog Description   | DSE201 B6 AC30 - N Blue - RCBO                                                                                                                                                                                                                                                                                                                  |
| Long Description      | DSE201 is a 1P+N residual current circuit breaker with overcurrent protection (RCBO) in one module for the protection against short-circuit currents, overload, earth fault currents, indirect contacts, additional protection against direct contacts (30 mA versions). DSE201 is equipped with supply neutral wire and functional earth wire. |

## Technical

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| Standards                          | IEC 61009-1<br>IEC 61009-2-2<br>AS/NZS 61009-1 |
| Type of Residual Current           | AC type                                        |
| Number of Poles                    | 1+N                                            |
| Number of Protected Poles          | 1                                              |
| Rated Current ( $I_n$ )            | 6 A                                            |
| Rated Voltage ( $U_r$ )            | 230-240 V AC                                   |
| Rated Insulation Voltage ( $U_i$ ) | 500 V                                          |

|                                                     |                                                                                                                                                                                                                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Overvoltage Category                                | III                                                                                                                                                                                                            |
| Pollution Degree                                    | 2                                                                                                                                                                                                              |
| Test Voltage (U <sub>t</sub> )                      | 195 ... 264 V                                                                                                                                                                                                  |
| Rated Frequency (f)                                 | 50...60 Hz                                                                                                                                                                                                     |
| Rated Short-Circuit Capacity (I <sub>cn</sub> )     | (230 / 400 V AC) 6 kA                                                                                                                                                                                          |
| Rated Residual Breaking Capacity (I <sub>Δm</sub> ) | 6 kA                                                                                                                                                                                                           |
| Primary Rated Impulse Withstand Voltage             | 4 kV                                                                                                                                                                                                           |
| Dielectric Test Voltage                             | 2.5 kV                                                                                                                                                                                                         |
| Tripping Characteristic                             | B                                                                                                                                                                                                              |
| Energy Limiting Class                               | 3                                                                                                                                                                                                              |
| Housing Type                                        | Insulation group II, RAL 7035                                                                                                                                                                                  |
| Actuator Type                                       | Toggle - Insulation group IIIA, black, sealable in ON-OFF positions                                                                                                                                            |
| Electrical Endurance                                | 10000 cycle                                                                                                                                                                                                    |
|                                                     | 20000 cycle                                                                                                                                                                                                    |
| Degree of Protection                                | Housing IP40<br>Terminals IP20                                                                                                                                                                                 |
| Resistance to Shock acc. to IEC 60068-2-27          | 30g / 2 shocks / 13 ms                                                                                                                                                                                         |
| Resistance to Vibrations acc. to IEC 60068-2-6      | 0.35mm or 5g - 20 cycles at 5...150...5 Hz without load                                                                                                                                                        |
| Environmental Conditions                            | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 %                                                                                                                                                      |
| Reference Ambient Air Temperature                   | 30 °C                                                                                                                                                                                                          |
| Terminal Type                                       | Screw Terminals                                                                                                                                                                                                |
| Screw Terminal Type                                 | Cage Terminal                                                                                                                                                                                                  |
| Connecting Capacity                                 | Busbar 10 mm²<br>Rigid 25 ...25 mm²<br>Flexible 25 ...25 mm²                                                                                                                                                   |
| Tightening Torque                                   | Top 1.2 N·m<br>Bottom 2.8 N·m                                                                                                                                                                                  |
| Mounting Type                                       | on DIN rail EN 60715 (35 mm) by means of fast clip device in consumer unit<br>Type A according to IEC 61439-1&3, BS EN 61439-1&3, in distribution board<br>Type B according to IEC 61439-1&3, BS EN 61439-1&3. |
| Power Supply Connection                             | Bottom                                                                                                                                                                                                         |
| Position of Neutral Terminals                       | Right                                                                                                                                                                                                          |
| Power Loss                                          | 2.5 W                                                                                                                                                                                                          |

## Environmental

|                         |                                   |
|-------------------------|-----------------------------------|
| Ambient Air Temperature | Operation -25...55 °C             |
| RoHS Status             | Following EU Directive 2011/65/EU |

## Dimensions

|                    |         |
|--------------------|---------|
| Product Net Width  | 0.018 m |
| Product Net Height | 0.100 m |

|                            |          |
|----------------------------|----------|
| Product Net Depth / Length | 0.069 m  |
| Product Net Weight         | 0.180 kg |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 0.036 m       |
| Package Level 1 Height         | 0.088 m       |
| Package Level 1 Depth / Length | 0.143 m       |
| Package Level 1 Gross Weight   | 0.200 kg      |
| Package Level 1 EAN            | 8012542659228 |

Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85363010 |

Certificates and Declarations (Document Number)

|                                |                           |
|--------------------------------|---------------------------|
| Declaration of Conformity - CE | 9AKK106713A5595           |
| Environmental Information      | refer to RoHS information |
| Instructions and Manuals       | 9AKK106930A0912           |
| RoHS Information               | 2CSC422006K2701           |

Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK106930A0940 |
| Instructions and Manuals          | 9AKK106930A0912 |

Classifications

|                            |                                          |
|----------------------------|------------------------------------------|
| Object Classification Code | Q                                        |
| ETIM 4                     | EC000905 - Earth leakage circuit breaker |
| ETIM 5                     | EC000905 - Earth leakage circuit breaker |
| ETIM 6                     | EC000905 - Earth leakage circuit breaker |
| ETIM 7                     | EC000905 - Earth leakage circuit breaker |

Categories

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

