

## PRODUCT-DETAILS

# DS201 M C20 A100

## DS201 M C20 A100 - RCBO



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | DS201 M C20 A100                                                                                                                                                                                                                                                                                                                                                              |
| Product ID            | 2CSR275180R2204                                                                                                                                                                                                                                                                                                                                                               |
| EAN                   | 8012542571711                                                                                                                                                                                                                                                                                                                                                                 |
| Catalog Description   | DS201 M C20 A100 - RCBO                                                                                                                                                                                                                                                                                                                                                       |
| Long Description      | The DS201 series is a 1P+N RCBO in two-modules width for the protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA). |

### Technical

|                                    |                                  |
|------------------------------------|----------------------------------|
| Standards                          | IEC/EN 61009-1, IEC/EN 61009-2-1 |
| Operating Characteristic           | Instantaneous                    |
| Type of Residual Current           | A type                           |
| Number of Poles                    | 2                                |
| Number of Protected Poles          | 1                                |
| Rated Current ( $I_n$ )            | 20 A                             |
| Rated Current Sensitivity          | 0.1 A                            |
| Rated Voltage ( $U_r$ )            | 230 V                            |
| Rated Insulation Voltage ( $U_i$ ) | 500 V                            |
| Overvoltage Category               | III                              |
| Pollution Degree                   | 2                                |

|                                                                   |                                                                                                                                                                                        |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Voltage (Ut)                                                 | 110 ... 264 V                                                                                                                                                                          |
| Rated Frequency (f)                                               | 50/60 Hz                                                                                                                                                                               |
| Rated Short-Circuit Capacity (I <sub>cn</sub> )                   | 10 kA                                                                                                                                                                                  |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | 15 kA                                                                                                                                                                                  |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )  | 11.2 kA                                                                                                                                                                                |
| Rated Residual Breaking Capacity (IΔm)                            | EN 61009-1 6000 A<br>IEC 61009-1 6000 A                                                                                                                                                |
| Primary Rated Impulse Withstand Voltage                           | 4 kV                                                                                                                                                                                   |
| Dielectric Test Voltage                                           | 2.5 kV                                                                                                                                                                                 |
| Tripping Characteristic                                           | C                                                                                                                                                                                      |
| Energy Limiting Class                                             | 3                                                                                                                                                                                      |
| Housing Type                                                      | Insulation group I - II, RAL 7035                                                                                                                                                      |
| Actuator Type                                                     | Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions                                                                                                             |
| Contact Position Indication                                       | Red ON / Green OFF                                                                                                                                                                     |
| Fault Indication                                                  | Blue flag on toggle                                                                                                                                                                    |
| Electrical Endurance                                              | 10000 cycle<br>20000 cycle                                                                                                                                                             |
| Degree of Protection                                              | Terminals IP20<br>Housing IP40                                                                                                                                                         |
| Resistance to Shock acc. to IEC 60068-2-27                        | 25g / 2 shocks / 13 ms                                                                                                                                                                 |
| Resistance to Vibrations acc. to IEC 60068-2-6                    | 0.1 mm or 1 g - 20 cycles at 5...150...5 Hz                                                                                                                                            |
| 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                                               | Failsafe Bi-directional Cylinder-lift Terminal                                                                                                                                         |
| Cable Size                                                        | 25 mm²                                                                                                                                                                                 |
| Connecting Capacity                                               | Busbar 10/10 mm²<br>Stranded 0.75 ... 25 mm²<br>Flexible with Ferrule 0.75 ... 16 mm²<br>Flexible 0.75 ... 16 mm²                                                                      |
| Tightening Torque                                                 | 2.8 N·m                                                                                                                                                                                |
| Wire Stripping Length                                             | 12 mm                                                                                                                                                                                  |
| Mounting Type                                                     | on DIN rail EN 60715 (35mm) by means of mounting clip                                                                                                                                  |
| Mounting Position                                                 | Any                                                                                                                                                                                    |
| Power Supply Connection                                           | Arbitrary                                                                                                                                                                              |
| Position of Neutral Terminals                                     | Right                                                                                                                                                                                  |
| Power Loss                                                        | 3.6 W                                                                                                                                                                                  |
| Number of Modular Spacings per DIN Rail                           | 2                                                                                                                                                                                      |
| Accessory Type                                                    | Auxiliary contact<br>Signal contact / auxiliary contact<br>Shunt trip<br>Auxiliary contact for bottom fitting<br>Undervoltage release<br>Overvoltage release<br>Motor operating device |

## Environmental

Ambient Air Temperature

Operation -25...55 °C

## Technical UL/CSA

Short-Circuit Current  
Rating (SCCR)

0.1 A

## Dimensions

|                               |          |
|-------------------------------|----------|
| Product Net Width             | 0.035 m  |
| Product Net Height            | 0.085 m  |
| Product Net Depth /<br>Length | 0.069 m  |
| Product Net Weight            | 0.200 kg |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | box 1 piece   |
| Package Level 1 Width             | 40 mm         |
| Package Level 1 Height            | 106 mm        |
| Package Level 1 Depth /<br>Length | 80 mm         |
| Package Level 1 Gross<br>Weight   | 225 g         |
| Package Level 1 EAN               | 8012542571711 |
| Package Level 2 Units             | 5 piece       |
| Package Level 2 Width             | 200 mm        |
| Package Level 2 Height            | 106 mm        |
| Package Level 2 Depth /<br>Length | 80 mm         |
| Package Level 2 Gross<br>Weight   | 1125 g        |
| Package Level 2 EAN               | 8012542629818 |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85363030 |
| E-Number (Sweden)      | 2100680  |

## Certificates and Declarations (Document Number)

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ABS Certificate                   | 9AKK107991A2823                    |
| CB Certificate                    | 9AKK107492A6064<br>9AKK107492A6065 |
| CCC Certificate                   | 9AKK107492A6069                    |
| Declaration of Conformity<br>- CE | 9AKK106713A5588                    |
| DNV GL Certificate                | 9AKK107680A3457<br>9AKK107680A3456 |
| EAC Certificate                   | 9AKK107492A6071<br>9AKK107991A7755 |
| Environmental Information         | 2CSC422002K2701                    |

|                          |                                    |
|--------------------------|------------------------------------|
| GOST Certificate         | 9AKK107992A1640                    |
| Instructions and Manuals | 9AKK107492A6006                    |
| KEMA Certificate         | 9AKK107492A6077                    |
| ÖVE Certificate          | 9AKK107492A6086                    |
| RMRS Certificate         | 9AKK107680A3454<br>9AKK107680A3455 |
| RoHS Information         | 2CSC422002K2701                    |
| SEV Certificate          | 9AKK107680A1558<br>9AKK107680A1560 |
| VDE Certificate          | 9AKK107492A6093                    |

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## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107492A6187 |
| Instructions and Manuals          | 9AKK107492A6006 |

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## Classifications

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

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## Categories

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

