

## PRODUCT-DETAILS

# DS202 M AC-B50/0.03

## DS202 M AC-B50/0.03 Residual Current Circuit Breaker with Overcurrent Protection



### General Information

|                       |                                                                                                                                                                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | DS202 M AC-B50/0.03                                                                                                                                                                                                                                                   |
| Product ID            | 2CSR272001R1505                                                                                                                                                                                                                                                       |
| EAN                   | 8012542933007                                                                                                                                                                                                                                                         |
| Catalog Description   | DS202 M AC-B50/0.03 Residual Current Circuit Breaker with Overcurrent Protection                                                                                                                                                                                      |
| Long Description      | The RCBs DS200 series has the function to protect 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. |

### Technical

|                                                             |                                                              |
|-------------------------------------------------------------|--------------------------------------------------------------|
| Standards                                                   | IEC/EN 60947-2<br>IEC/EN 61009-1                             |
| Product Name                                                | Residual Current Circuit Breaker with Overcurrent Protection |
| Tripping Characteristic                                     | B                                                            |
| Type of Residual Current                                    | AC type                                                      |
| Rated Voltage ( $U_r$ )                                     | 230 V AC                                                     |
| Rated Operational Voltage                                   | 230 V AC                                                     |
| Rated Current ( $I_n$ )                                     | 50 A                                                         |
| Rated Residual Current                                      | 30 mA                                                        |
| Rated Short-Circuit Capacity ( $I_{cn}$ )                   | 10 kA                                                        |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (400 V AC) 15 kA                                             |

|                                                  |                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Maximum Breaking Capacity                        | 6 kA                                                                                               |
| Rated Frequency (f)                              | 50/60 Hz                                                                                           |
| Power Loss                                       | 11.4 W                                                                                             |
| Power Supply Connection                          | Arbitrary                                                                                          |
| Electrical Endurance                             | 10000 cycle                                                                                        |
| Number of Poles                                  | 2                                                                                                  |
| Number of Protected Poles                        | 2                                                                                                  |
| Number of Earth Leakage Circuit Breakers (ELCBs) | 1                                                                                                  |
| Operating Characteristic                         | Instantaneous                                                                                      |
| Position of Neutral Terminals                    | Right                                                                                              |
| Release Type                                     | B                                                                                                  |
| Options Provided                                 | None                                                                                               |
| Accessories Available                            | Yes                                                                                                |
| Connecting Capacity                              | Busbar 10 mm <sup>2</sup><br>Rigid 25 ... 25 mm <sup>2</sup><br>Flexible 25 ... 25 mm <sup>2</sup> |

## Environmental

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Ambient Air Temperature   | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C |
| Environmental Information | Refer to RoHS                                      |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 70 mm    |
| Product Net Height         | 0.093 m  |
| Product Net Depth / Length | 69 mm    |
| Product Net Weight         | 0.440 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 80 mm         |
| Package Level 1 Height         | 105 mm        |
| Package Level 1 Depth / Length | 80 mm         |
| Package Level 1 Gross Weight   | 0.48 kg       |
| Package Level 1 EAN            | 8012542933007 |

## Ordering

|                         |            |
|-------------------------|------------|
| Minimum Order Quantity  | 1 piece    |
| Customs Tariff Number   | 85363030   |
| Country of Origin       | Italy (IT) |
| Selling Unit of Measure | piece      |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 9AKK106713A5607 |
| Environmental Information      | Refer to RoHS   |
| Instructions and Manuals       | 9AKK107045A1451 |
| RoHS Information               | 2CSC423002K2701 |

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107991A8329 |
| Instructions and Manuals          | 9AKK107045A1451 |
| EPLAN Macro                       | 9AKK106930A1225 |

## Classifications

|                            |                                                                                    |
|----------------------------|------------------------------------------------------------------------------------|
| ETIM 6                     | EC002281 - Distributor assembly with combination RCCB/MCB                          |
| ETIM 7                     | EC002281 - Distributor assembly with combination RCCB/MCB                          |
| ETIM 8                     | EC002281 - Distributor assembly with combination RCCB/MCB                          |
| 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                        | 85363030                                                                           |
| Object Classification Code | F                                                                                  |

## Accessories

| Identifier      | Description                          | Type          | Quantity | Unit Of Measure |
|-----------------|--------------------------------------|---------------|----------|-----------------|
| 2CDS200909R0001 | S2C-A1 Shunt Trip                    | S2C-A1        | 1        | piece           |
| 2CDS200909R0002 | S2C-A2 Shunt Trip                    | S2C-A2        | 1        | piece           |
| 2CDS200912R0001 | S2C-H6R Auxiliary Contact            | S2C-H6R       | 1        | piece           |
| 2CDS200922R0001 | S2C-S/H6R Signal / Auxiliary Contact | S2C-S/H6R     | 1        | piece           |
| 2CDS200946R0001 | S2C-H6-11R Auxiliary Contact         | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0002 | S2C-H6-20R Auxiliary Contact         | S2C-H6-20R    | 1        | piece           |
| 2CDS200946R0003 | S2C-H6-02R Auxiliary Contact         | S2C-H6-02R    | 1        | piece           |
| 2CSS200911R0002 | S2C-UA 24 AC Undervoltage release    | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0003 | S2C-UA 48 AC Undervoltage release    | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200911R0004 | S2C-UA 110 AC Undervoltage release   | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0005 | S2C-UA 230 AC Undervoltage release   | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0006 | S2C-UA 400 AC Undervoltage release   | S2C-UA 400 AC | 1        | piece           |
| 2CSS200998R0001 | S2C-BP Mechanical tripping device    | S2C-BP        | 1        | piece           |

## Categories

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

