

## PRODUCT-DETAILS

# DS202C B32 A300

## DS202C B32 A300 Residual Current Circuit Breaker with Overcurrent Protection



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | DS202C B32 A300                                                                                                                                                                                                                                                                                                                                                               |
| Product ID            | 2CSR252140R3325                                                                                                                                                                                                                                                                                                                                                               |
| EAN                   | 8012542133551                                                                                                                                                                                                                                                                                                                                                                 |
| Catalog Description   | DS202C B32 A300 Residual Current Circuit Breaker with Overcurrent Protection                                                                                                                                                                                                                                                                                                  |
| Long Description      | The DS202C series RCBO is a 2P in two-modules device 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 61009-1<br>IEC 61009-2-1<br>EN 61009-1<br>EN 61009-2-1   |
| Product Name                       | Residual Current Circuit Breaker with Overcurrent Protection |
| Tripping Characteristic            | B                                                            |
| Type of Residual Current           | A type                                                       |
| Rated Voltage ( $U_r$ )            | 230-240 V AC                                                 |
| Rated Operational Voltage          | 230 ... 240 V AC                                             |
| Rated Insulation Voltage ( $U_i$ ) | 500 V                                                        |

|                                                                              |                                                                                                    |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Rated Impulse Withstand Voltage ( $U_{imp}$ )                                | 4 kV                                                                                               |
| Input Voltage Type                                                           | AC                                                                                                 |
| Rated Current ( $I_n$ )                                                      | 32 A                                                                                               |
| Rated Residual Current                                                       | 300 mA                                                                                             |
| Rated Short-Circuit Capacity ( $I_{cn}$ )                                    | 6 kA                                                                                               |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )                  | 10 kA                                                                                              |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )                         | 10 kA                                                                                              |
| Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ ) | 6 kA                                                                                               |
| Maximum Surge Current                                                        | 0.25 kA                                                                                            |
| Leakage Current Type                                                         | A                                                                                                  |
| Frequency (f)                                                                | 50/60 Hz                                                                                           |
| Rated Frequency (f)                                                          | 50/60 Hz                                                                                           |
| Power Loss                                                                   | 5.9 W                                                                                              |
| Power Supply Connection                                                      | Arbitrary                                                                                          |
| Energy Limiting Class                                                        | 3                                                                                                  |
| Electrical Endurance                                                         | 10000 cycle<br>20000 cycle                                                                         |
| Number of Poles                                                              | 2                                                                                                  |
| Number of Protected Poles                                                    | 2                                                                                                  |
| Operating Characteristic                                                     | Instantaneous                                                                                      |
| Overvoltage Category                                                         | III                                                                                                |
| Earthing Switch Type                                                         | Undelayed                                                                                          |
| 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> |
| Rated Cross-Section                                                          | 4 - Multi-Wired 1...25 mm <sup>2</sup><br>1 - Solid-Core 25...25 mm <sup>2</sup>                   |

## Environmental

|                           |                                   |
|---------------------------|-----------------------------------|
| Ambient Temperature       | -25...55 °C                       |
| Ambient Air Temperature   | Operation -25...55 °C             |
| Degree of Protection      | IP2X                              |
| Pollution Degree          | 2                                 |
| RoHS Status               | Following EU Directive 2011/65/EU |
| Environmental Information | 9AKK107680A8583                   |

## Technical UL/CSA

|                                        |       |
|----------------------------------------|-------|
| Short-Circuit Current<br>Rating (SCCR) | 0.3 A |
|----------------------------------------|-------|

## Dimensions

|                                        |          |
|----------------------------------------|----------|
| Width in Number of<br>Modular Spacings | 2        |
| Product Net Width                      | 0.035 m  |
| Product Net Height                     | 0.085 m  |
| Product Net Depth /<br>Length          | 0.069 m  |
| Product Net Weight                     | 0.239 kg |
| Built-In Depth (t <sub>2</sub> )       | 69 mm    |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | box 1 piece   |
| Package Level 1 Width             | 106 mm        |
| Package Level 1 Height            | 40 mm         |
| Package Level 1 Depth /<br>Length | 80 mm         |
| Package Level 1 Gross<br>Weight   | 0.225 kg      |
| Package Level 1 EAN               | 8012542133551 |
| Package Level 2 Units             | box 5 piece   |
| Package Level 2 Width             | 0.200 m       |
| Package Level 2 Height            | 0.106 m       |
| Package Level 2 Depth /<br>Length | 0.080 m       |
| Package Level 2 Gross<br>Weight   | 1.125 kg      |
| Package Level 2 EAN               | 8012542123651 |

## 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<br>- CE | 9AKK106713A5589 |
| Environmental Information         | 9AKK107680A8583 |
| Instructions and Manuals          | 9AKK106354A0766 |
| RoHS Information                  | 2CSC422002K2701 |

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107991A8329 |
| Instructions and Manuals          | 9AKK106354A0766 |

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 6                     | EC000905 - Earth leakage circuit breaker                   |
| ETIM 7                     | EC000905 - Earth leakage circuit breaker                   |
| ETIM 8                     | EC000905 - Earth leakage circuit breaker                   |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B             | Business To Consumer                                       |
| CN8                        | 85363010                                                   |
| Object Classification Code | F                                                          |

## Accessories

| Identifier      | Description                          | Type          | Quantity | Unit Of Measure |
|-----------------|--------------------------------------|---------------|----------|-----------------|
| 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           |
| 2CSR201997R0013 | DS2C-CM Motor operating device       | DS2C-CM       | 1        | piece           |
| 2CSS200910R0005 | S2C-OVP1 Overvoltage release         | S2C-OVP1      | 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           |
| 2CSS200933R0011 | F2C-A1 Shunt trip                    | F2C-A1        | 1        | piece           |
| 2CSS200933R0012 | F2C-A2 Shunt trip                    | F2C-A2        | 1        | piece           |
| 2CSS200993R0005 | S2C-OVP2 Overvoltage release         | S2C-OVP2      | 1        | piece           |
| 2CSS200999R0001 | S2C-EST Plug-in base                 | S2C-EST       | 1        | piece           |

## Categories

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

