



PRODUCT-DETAILS

F202 AC-40/0.3

Residual Current Circuit Breaker - 2P - Type AC  
- 300 mA - 40 A



| General Information   |  |
|-----------------------|--|
| Extended Product Type | F202 AC-40/0.3   |
| Product ID            | 2CSF202001R3400  |
| EAN                   | 8012542780700  |
| Catalog Description   | Residual Current Circuit Breaker - 2P - Type AC - 300 mA - 40 A  |
| Long Description      | The RCCBs F200 series assures protection to people and installations against fault current to earth. A large offer for standard instantaneous and selective AC and A types is completed with some configurations for special applications. |

| ABB EcoSolutions                                  |   |
|---|---|
| ABB EcoSolutions                                  | Yes   |
| EcoSolutions Profile                              | 9AKK108469A3794   |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 82.05 %                                      |
| ABB Site Meeting Group Waste To Landfill Target   | No non-hazardous waste is sent to a landfill<br>UL 2799 Zero Waste To Landfill Validation available |
| Sustainable Material Content in Packaging (wt. %) | Recycled Paper - 00 %<br>Recycled Paper - 04 %<br>Recycled Cardboard - 29 %                         |

|   |  |
|---|--|
|   | Recycled Cardboard - 61 %<br>Recycled Cardboard - 03 % |
| Extended Product Lifetime               | Product Durability                                     |
| End Of Life Disassembling Instructions  | 9AKK108470A1748  |
| Environmental Product Declaration - EPD | 9AKK108469A9642  |

## Technical

|  |  |
|--|--|
| Type of Residual Current                             | Type AC  |
| Rated Voltage ( $U_r$ )                              | 230 V  |
| Rated Operational Voltage                            | 230 V  |
| Rated Insulation Voltage ( $U_i$ )                   | 500 V  |
| Test Voltage ( $U_t$ )                               | 110-254 V  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )        | 4 kV   |
| Input Voltage Type                                   | AC   |
| Rated Current ( $I_n$ )                              | 40 A   |
| Rated Residual Current                               | 300 mA   |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ ) | 10 kA  |
| Maximum Surge Current                                | 0.25 kA  |
| Leakage Current Type                                 | AC   |
| Frequency (f)  | 50/60 Hz   |
| Rated Frequency (f)                                  | 50 ... 60 Hz   |
| Power Loss   | at Rated Operating Conditions per Pole 2.4 W   |
| Power Supply Connection                              | Arbitrary  |
| Electrical Endurance                                 | 1000 cycle   |
| Number of Poles                                      | 2P   |
| Number of Modular Spacings per DIN Rail              | 2  |
| Operating Characteristic                             | Instantaneous  |
| Tightening Torque                                    | 2.8 N·m  |
| Accessory Type                                       | Auxiliary contact<br>Auxiliary/Signal contact<br>Shunt trip<br>Undervoltage release<br>Overvoltage release<br>Motor Operating Device<br>Bottom fitting auxiliary contact<br>Autoreclosing Unit |
| Mounting Type  | DIN-Rail   |
| Screw Terminal Type                                  | Failsafe Bi-directional Cylinder-lift Terminal<br>Cage Terminal<br>Failsafe Biconnect Fork Top/Bottom<br>Failsafe Biconnect Fork Bottom  |
| Options Provided                                     | None   |
| Mounting Position                                    | Any  |
| 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 0...25 mm <sup>2</sup><br>1 - Solid-Core 25...25 mm <sup>2</sup> |
| Wire Stripping Length | 12 mm  |
| Terminal Type         | Screw Terminals  |

### Material Compliance

|   |  |
|---|--|
| RoHS Information                                  | 9AKK106713A5602  |
| RoHS Status                                       | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date   | 20211115   |
| REACH Declaration                                 | 9AKK108467A9482  |
| REACH Information                                 | True - contains substances > 0.1 mass percentage                       |
| REACH Date  | 20240429   |
| Conflict Minerals<br>Reporting Template<br>(CMRT) | 9AKK108468A3363  |

### Environmental

|   |  |
|---|--|
| Ambient Air<br>Temperature                    | Operation -25 ... 55 °C<br>Storage -40 ... 70 °C         |
| Degree of Protection                          | Terminals IP20<br>Housing IP40                           |
| Pollution Degree                              | 2  |
| Resistance to Vibrations                      | 20 Cycles with Load 0.8 In: 1g or 1mm 5 ... 150 ... 5 Hz |
| Resistance to Shock acc.<br>to IEC 60068-2-27 | 25g 2 shocks 13 ms                                       |
| Environmental<br>Information                  | Refer to RoHS  |

### Technical UL/CSA

|  |          |
|--|----------|
| Maximum Operating<br>Voltage UL/CSA    | 277 V AC |
| Short-Circuit Current<br>Rating (SCCR) | 300 mA   |

### Dimensions

|  |                 |
|--|-----------------|
| Width in Number of<br>Modular Spacings | 2               |
| Product Net Width                      | 35 mm           |
| Product Net Height                     | 85 mm           |
| Product Net Depth /<br>Length          | 69 mm           |
| Product Net Weight                     | 200 g           |
| Built-In Depth (t <sub>2</sub> )       | 69 mm           |
| Dimension Diagram                      | 9AKK106354A0758 |

### Ordering

|                                 |             |
|---------------------------------|-------------|
| Package Level 1 Units           | box 1 piece |
| Package Level 1 Gross<br>Weight | 0.235 kg    |

| Certificates and Declarations     |                 |
|-----------------------------------|-----------------|
| Declaration of<br>Conformity - CE | 9AKK106713A5602 |

| Installation                |                 |
|-----------------------------|-----------------|
| Instructions and<br>Manuals | 9AKK107991A6127 |

| Popular Downloads                    |                 |
|--------------------------------------|-----------------|
| Data Sheet, Technical<br>Information | 9AKK107991A8329 |

| External Classifications and Standards |  |
|--|--|
| ETIM 8                                 | EC000003 - Residual current circuit breaker (RCCB)         |
| ETIM 9                                 | EC000003 - Residual current circuit breaker (RCCB)         |
| WEEE Category                          | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B                         | Business To Consumer                                       |
| CN8                                    | 85363030   |
| UNSPSC                                 | 39121601   |
| eClass                                 | V11.0 : 27142201   |
| IDEA Granular Category<br>Code (IGCC)  | 4875 >> Residual current circuit breaker (RCCB)            |
| Object Classification<br>Code          | F  |
| Standards                              | IEC/EN 61008<br>UL 1053                                    |

| Accessories |  |
|-------------|--|
|-------------|--|

| Identifier      | Description                | Type          | Quantity | Unit Of Measure |
|-----------------|----------------------------|---------------|----------|-----------------|
| 2CDS200912R0001 | Auxiliary Contact          | S2C-H6R       | 2        | piece           |
| 2CDS200922R0001 | Signal / Auxiliary Contact | S2C-S/H6R     | 2        | piece           |
| 2CDS200946R0001 | Auxiliary Contact          | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0003 | Auxiliary Contact          | S2C-H6-02R    | 1        | piece           |
| 2CDS200946R0002 | Auxiliary Contact          | S2C-H6-20R    | 1        | piece           |
| 2CSS200933R0011 | Shunt trip                 | F2C-A1        | 1        | piece           |
| 2CSS200933R0012 | Shunt trip                 | F2C-A2        | 1        | piece           |
| 2CSS200911R0005 | Undervoltage Release       | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0007 | Undervoltage Release       | S2C-UA 24 DC  | 1        | piece           |
| 2CSS200911R0002 | Undervoltage Release       | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0008 | Undervoltage Release       | S2C-UA 48 DC  | 1        | piece           |
| 2CSS200911R0004 | Undervoltage Release       | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0006 | Undervoltage Release       | S2C-UA 400 AC | 1        | piece           |
| 2CSS200911R0001 | Undervoltage Release       | S2C-UA 12 DC  | 1        | piece           |
| 2CSS200911R0010 | Undervoltage Release       | S2C-UA 230 DC | 1        | piece           |
| 2CSS200911R0009 | Undervoltage Release       | S2C-UA 110 DC | 1        | piece           |
| 2CSS200911R0003 | Undervoltage Release       | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200910R0005 | Overvoltage Release        | S2C-OVP1      | 1        | piece           |
| 2CSS200993R0005 | Overvoltage Release        | S2C-OVP2      | 1        | piece           |
| 2CSF201998R0034 | Autoreclosing unit         | F3C-AR24      | 1        | piece           |
| 2CSF202998R0034 | Autoreclosing unit         | F3C-AR230     | 1        | piece           |
| 2CSS201998R0033 | Motor Operating Device     | S3C-MOD24     | 1        | piece           |
| 2CSS202998R0033 | Motor Operating Device     | S3C-MOD230    | 1        | piece           |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Residual Current Devices RCDs → Residual Current Devices RCDs



