



 PRODUCT-DETAILS

F202 AC-40/0.1

F202 AC-40/0.1 Residual Current Circuit Breaker 2P Type AC 100 mA



General Information

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|-----------------------|--|
| Extended Product Type | F202 AC-40/0.1 |
| Product ID | 2CSF202001R2400 |
| EAN | 8012542780403 |
| Catalog Description | F202 AC-40/0.1 Residual Current Circuit Breaker 2P Type AC 100 mA |
| 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 |

Circular Value

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|---|---|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 52.5 % |
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|---|--|
| Group Waste to Landfill Target | No non-hazardous waste is sent to a landfill |
| Sustainable Material Content in Packaging | Recycled Paper - 78 % |
| Offered with Extended Lifetime | Product Durability |
| End of Life Instructions | 9AKK108468A4361 |

Eco Transparency

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|---|-----------------|
| Environmental Product Declaration - EPD | 9AKK108467A3700 |
|---|-----------------|

Technical

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| Standards | IEC/EN 61008 UL 1053 |
| Type of Residual Current | Type AC |
| Rated Voltage (U_r) | 230 V |
| Rated Operational Voltage | 230 V |
| Rated Insulation Voltage (U_i) | 500 V |
| Rated Impulse Withstand Voltage (U_{imp}) | 4 kV |
| Rated Current (I_n) | 40 A |
| Rated Residual Current | 100 mA |
| Rated Conditional Short-Circuit Current (I_{nc}) | 10 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | 1 kA |
| Maximum Surge Current | 0.25 kA |
| Leakage Current Type | AC |
| Rated Frequency (f) | 50 ... 60 Hz |
| Power Loss | at Rated Operating Conditions per Pole 2.4 W |
| Power Supply Connection | Arbitrary |
| Electrical Endurance | 10000 cycle |
| Number of Poles | 2 |
| Operating Characteristic | Instantaneous |
| Mounting Type | DIN-Rail |
| Options Provided | None |
| Accessories Available | Yes |
| Connecting Capacity | Busbar 10 mm ² Rigid 25 ... 25 mm ² Flexible 25 ... 25 mm ² |
| Rated Cross-Section | 4 - Multi-Wired 0...25 mm ² 1 - Solid-Core 25...25 mm ² |

Material Compliance

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|------------------|--|
| 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 Reporting Template (CMRT) | 9AKK108468A3363 |

Environmental

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|--|---|
| Ambient Temperature | -25...55 °C |
| Ambient Air Temperature | Operation -25...55 °C |
| Degree of Protection | IP2X |
| Pollution Degree | 2 |
| Resistance to Vibrations | 20 Cycles with Load 0.8 In: 1g or 1mm 50 ... 150 ... 5 Hz |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g 2 shocks 13 ms |
| Environmental Information | Refer to RoHS |

Technical UL/CSA

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|-------------------------------------|----------|
| Maximum Operating Voltage UL/CSA | 277 V AC |
| Short-Circuit Current Rating (SCCR) | 100 mA |

Dimensions

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|-------------------------------------|----------|
| Width in Number of Modular Spacings | 2 |
| Product Net Width | 0.035 m |
| Product Net Height | 0.085 m |
| Product Net Depth / Length | 0.069 m |
| Product Net Weight | 0.200 kg |
| Built-In Depth (t ₂) | 69 mm |

Container Information

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|--------------------------------|---------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 80 mm |
| Package Level 1 Height | 41 mm |
| Package Level 1 Depth / Length | 94 mm |
| Package Level 1 Gross Weight | 0.235 kg |
| Package Level 1 EAN | 8012542780403 |
| Package Level 2 Units | box 6 piece |
| Package Level 2 Width | 96 mm |
| Package Level 2 Height | 85 mm |
| Package Level 2 Depth / Length | 240 mm |
| Package Level 2 Gross Weight | 1350 g |

Package Level 2 EAN

8012542780410

Ordering

Minimum Order Quantity

1 piece

Certificates and Declarations

Declaration of
Conformity - CE

9AKK106713A5602

Installation

Instructions and
Manuals

9AKK107991A6127

Popular Downloads

Data Sheet, Technical
Information

9AKK107991A8329

Classifications

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|---------------------------------------|--|
| 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 Code (IGCC) | 4875 >> Residual current circuit breaker (RCCB) |
| Object Classification Code | F |

Accessories

| Identifier | Description | Type | Quantity | Unit Of Measure |
|-----------------|---|---------------|----------|-----------------|
| 2CDS200912R0001 | S2C-H6R Auxiliary Contact | S2C-H6R | 2 | piece |
| 2CDS200922R0001 | S2C-S/H6R Signal / Auxiliary Contact | S2C-S/H6R | 2 | piece |
| 2CDS200946R0001 | S2C-H6-11R Auxiliary Contact | S2C-H6-11R | 1 | piece |
| 2CDS200946R0003 | S2C-H6-02R Auxiliary Contact | S2C-H6-02R | 1 | piece |
| 2CDS200946R0002 | S2C-H6-20R Auxiliary Contact | S2C-H6-20R | 1 | piece |
| 2CSS200933R0011 | F2C-A1 Shunt trip | F2C-A1 | 1 | piece |
| 2CSS200933R0012 | F2C-A2 Shunt trip | F2C-A2 | 1 | piece |
| 2CSS200911R0005 | S2C-UA 230 AC Undervoltage Release | S2C-UA 230 AC | 1 | piece |
| 2CSS200911R0007 | S2C-UA 24 DC Undervoltage Release | S2C-UA 24 DC | 1 | piece |
| 2CSS200911R0002 | S2C-UA 24 AC Undervoltage Release | S2C-UA 24 AC | 1 | piece |
| 2CSS200911R0008 | S2C-UA 48 DC Undervoltage Release | S2C-UA 48 DC | 1 | piece |
| 2CSS200911R0004 | S2C-UA 110 AC Undervoltage Release | S2C-UA 110 AC | 1 | piece |
| 2CSS200911R0006 | S2C-UA 400 AC Undervoltage Release | S2C-UA 400 AC | 1 | piece |
| 2CSS200911R0001 | S2C-UA 12 DC Undervoltage Release | S2C-UA 12 DC | 1 | piece |
| 2CSS200911R0010 | S2C-UA 230 DC Undervoltage Release | S2C-UA 230 DC | 1 | piece |
| 2CSS200911R0009 | S2C-UA 110 DC Undervoltage Release | S2C-UA 110 DC | 1 | piece |
| 2CSS200911R0003 | S2C-UA 48 AC Undervoltage Release | S2C-UA 48 AC | 1 | piece |
| 2CSS200910R0005 | S2C-OVP1 Overvoltage Release | S2C-OVP1 | 1 | piece |
| 2CSS200993R0005 | S2C-OVP2 Overvoltage Release | S2C-OVP2 | 1 | piece |
| 2CSF200990R0005 | F2C-ARH100 Auto-reclosing unit | F2C-ARH100 | 1 | piece |
| 2CSF200989R0005 | F2C-ARH -T100 Auto-reclosing unit with autotest | F2C-ARH -T100 | 1 | piece |
| 2CSF201998R0034 | F3C-AR24 Autoreclosing unit | F3C-AR24 | 1 | piece |
| 2CSF202998R0034 | F3C-AR230 Autoreclosing unit | F3C-AR230 | 1 | piece |
| 2CSF203998R0034 | F3C-AR230 D Autoreclosing unit | F3C-AR230 D | 1 | piece |
| 2CSS201998R0033 | S3C-MOD24 Motor Operating Device | S3C-MOD24 | 1 | piece |
| 2CSS202998R0033 | S3C-MOD230 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



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