

PRODUCT-DETAILS

F202 AC-80/0.03 IEC

F202 AC-80/0.03 IEC Residual Current Circuit Breaker 2P AC type 30 mA



| General Information | |
|-----------------------|---|
| Extended Product Type | F202 AC-80/0.03 IEC |
| Product ID | 2CSF202005R1800 |
| EAN | 8012542935902 |
| Catalog Description | F202 AC-80/0.03 IEC Residual Current Circuit Breaker 2P AC type 30 mA |
| Long Description | The RCCBs F200 series assures protection to people and installations against fault current to earth. This product is manufactured according to international IEC standards, for the markets where it is required. |

| ABB EcoSolutions | |
|------------------|-----|
| ABB EcoSolutions | Yes |

| Circular Value | |
|--|---|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 52,5 % |
| Group Waste to Landfill Target | No non-hazardous waste is sent to a landfill |
| Sustainable Material Content in Packaging | Recycled Paper - 78 % |

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| Improved Resource Efficiency for Customers | Digital Efficiency - Product is digitally-supported to optimize usage and eventually optimize customer asset |
| Offered with Extended Lifetime | Product Durability |
| Offered with Takeback Services | Take Back for Recycling |
| End of Life Instructions | 9AKK108468A4361 |

Eco Transparency

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

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| Standards | IEC 61008 |
| Type of Residual Current | AC type |
| 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) | 80 A |
| Rated Residual Current | 30 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 4.5 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 mm² Rigid 35 ... 35 mm² Flexible 35 ... 35 mm² |
| Rated Cross-Section | 4 - Multi-Wired 0...35 mm² 1 - Solid-Core 35...35 mm² |

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 |

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|---|-----------------|
| REACH Declaration | 9AKK108467A9482 |
| 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) | 30 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 |

Ordering

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

Certificates and Declarations

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|--------------------------------|-----------------|
| Declaration of Conformity - CE | 9AKK106713A5602 |
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Installation

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|--------------------------|-----------------|
| Instructions and Manuals | 9AKK107991A6127 |
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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 |
| eClass | V11.0 : 27142201 |
| 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 |
| 2CSF200997R0013 | F2C-CM Motor operating device | F2C-CM | 1 | piece |
| 2CSF200996R0013 | F2C-ARI Auto-reclosing unit | F2C-ARI | 1 | piece |

Categories

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

