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 PRODUCT-DETAILS

## F202 AC-40/0.03 IEC

### F202 AC-40/0.03 IEC Residual Current Circuit Breaker 2P Type AC 30 mA




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#### General Information

Extended Product Type	F202 AC-40/0.03 IEC
Product ID	2CSF202005R1400
EAN	8012542814801
Catalog Description	F202 AC-40/0.03 IEC Residual Current Circuit Breaker 2P Type AC 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.

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#### ABB EcoSolutions

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108469A3794

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#### Circular Value

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

Environmental Product Declaration - EPD	9AKK108467A3700
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## Technical

Standards	IEC 61008
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	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 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 <sup>2</sup> Rigid 25 ... 25 mm <sup>2</sup> Flexible 25 ... 25 mm <sup>2</sup>
Rated Cross-Section	4 - Multi-Wired 0...25 mm <sup>2</sup> 1 - Solid-Core 25...25 mm <sup>2</sup>

## 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 Reporting Template (CMRT)	9AKK108468A3363

### Environmental

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

Maximum Operating Voltage UL/CSA	277 V AC
Short-Circuit Current Rating (SCCR)	30 mA

### Dimensions

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 <sub>2</sub> )	69 mm

### Ordering

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

### Certificates and Declarations

Declaration of Conformity - CE	9AKK106713A5602
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### Installation

Instructions and Manuals	9AKK107991A6127
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**Popular Downloads**

Data Sheet, Technical Information

9AKK107991A8329

**Classifications**

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
2CSF200992R0005	F2C-ARH Auto-reclosing unit	F2C-ARH	1	piece
2CSF200991R0005	F2C-ARH -T Auto-reclosing unit with autotest	F2C-ARH -T	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

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## Categories

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

