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 PRODUCT-DETAILS

## F202 B-40/0.03

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




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### General Information

Extended Product Type	F202 B-40/0.03
Product ID	2CSF202568R1400
EAN	8012542341352
Catalog Description	F202 B-40/0.03 Residual Current Circuit Breaker 2P Type B 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 <u>markets where it is required.</u>

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### ABB EcoSolutions

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108469A3795

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### Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 51.4 %
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	9AKK108468A4363

## Eco Transparency

Environmental Product Declaration - EPD	9AKK108467A3700
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## Technical

Standards	IEC/EN 61008
Type of Residual Current	Type B
Rated Voltage ( $U_r$ )	230 V
Rated Operational Voltage	230 V
Rated Insulation Voltage ( $U_i$ )	440 V
Test Voltage ( $U_t$ )	170-253 V AC
Rated Impulse Withstand Voltage ( $U_{imp}$ )	4 kV
Dielectric Test Voltage	2500 V
Input Voltage Type	AC
Rated Current ( $I_n$ )	40 A
Rated Residual Current	30 mA
Rated Residual Breaking Capacity ( $I_{\Delta m}$ )	1 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(Typ gG/gLfuse, 500 V) 100 A Selective MCB S750-E 63A or S750DR-E/K 100 A
Impulse Current	I (max, 8 / 20 $\mu$ s) 3000 A
Maximum Surge Current	3 kA
Rated Frequency (f)	50 ... 60 Hz
Power Loss	3.60 W
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Poles	2
Number of Modular Spacings per DIN Rail	2
Operating Characteristic	Instantaneous (APR High Immunity)
Overvoltage Category	III
Tightening Torque	2.8 N·m
Delay Time (T)	10 ms
Accessory Type	Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit
Mounting Type	DIN-Rail
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Options Provided	None
Mounting Position	Any
Accessories Available	Yes
Number of Batteries	0
Cable Size	25 mm <sup>2</sup>
Connecting Capacity	Busbar 10 mm <sup>2</sup> Flexible 1 ... 25 mm <sup>2</sup> Stranded 1 ... 25 mm <sup>2</sup>
Rated Cross-Section	1 - Solid-Core 1 ... 25 mm <sup>2</sup>
Wire Stripping Length	12 mm
Terminal Type	Screw Terminals

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## Material Compliance

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RoHS Information	9AKK106713A5610
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

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## Environmental

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Ambient Air Temperature	Operation -25 ... +70 °C
Degree of Protection	Housing IPX4 Terminals IP2X
Pollution Degree	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
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

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## Dimensions

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Width in Number of Modular Spacings	2
Product Net Width	35 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.220 kg
Built-In Depth (t <sub>2</sub> )	69 mm
Dimension Diagram	9AKK106354A0758

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## 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	0.236 kg
Package Level 1 EAN	8012542341352
Package Level 2 Units	box 6 piece
Package Level 2 Width	246 mm
Package Level 2 Height	94 mm
Package Level 2 Depth / Length	80 mm
Package Level 2 Gross Weight	1.41 kg
Package Level 2 EAN	8012542342953
Package Level 3 Units	pallet (lift) 1560 piece
Package Level 3 Width	760 mm
Package Level 3 Height	1180 mm
Package Level 3 Depth /	820 mm

Length	
Package Level 3 Gross Weight	337.752 kg
Package Level 3 EAN	8012542055853

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## Ordering

Minimum Order Quantity	1 piece
E-Number (Finland)	3214057
E-Number (Sweden)	2160148

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## Certificates and Declarations

Declaration of Conformity - CE	9AKK106713A5610
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## Installation

Instructions and Manuals	9AKK107992A0195
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## Popular Downloads

Data Sheet, Technical Information	9AKK107991A7569
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## 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
UNSPSC	39121601
eClass	V11.0 : 27142201
IDEA Granular Category Code (IGCC)	4875 >> Residual current circuit breaker (RCCB)
Object Classification Code	F

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## 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

## Categories

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



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