



 PRODUCT-DETAILS

F202 B-16/0.3

F202 B-16/0.3 Residual Current Circuit Breaker 2P Type B 300 mA



General Information

Extended Product Type	F202 B-16/0.3
Product ID	2CSF202568R3160
EAN	8012542341550
Catalog Description	F202 B-16/0.3 Residual Current Circuit Breaker 2P Type B 300 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
EcoSolutions Profile	9AKK108469A3795
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
Environmental Product Declaration - EPD	9AKK108467A3700

Technical

Standards	IEC/EN 61008-1, IEC/EN 61008-2-1, EN 62423
Type of Residual Current	Type B
Rated Voltage (U_r)	230 V
Rated Operational Voltage	230 V AC
Rated Insulation Voltage (U_i)	440 V
Test Voltage (U_t)	110 ... 253 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV
Dielectric Test Voltage	2500 V
Input Voltage Type	AC
Rated Current (I_n)	16 A
Rated Residual Current	300 mA
Rated Conditional Short-Circuit Current (I_{nc})	(Typ gG/gL fuse, 500 V) 100 A Selective MCB S750-E 63A or S750DR-E/K 100 A
Impulse Current	I (max, 8 / 20 μ s) 3000 A
Maximum Surge Current	3 kA
Leakage Current Type	B
Frequency (f)	50/60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	Total 0.82 W at Rated Operating Conditions per Pole 0.26 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
Actuator Type	Toggle - Insulation group I - II, RAL 5015
Housing Type	Insulation group I - II, RAL 7035
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 ²

Connecting Capacity	Busbar 10 mm ² Flexible 1 ... 25 mm ² Stranded 1 ... 25 mm ²
Rated Cross-Section	1 - Solid-Core 1 ... 25 mm ²
Wire Stripping Length	12 mm
Terminal Type	Screw Terminals

Material Compliance

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

Environmental

Ambient Air Temperature	Operation -25...+70 °C Storage -40...+70 °C
Degree of Protection	Terminals IP20 Housing IP40
Pollution Degree	2
Environmental Conditions	28 cycle 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

Dimensions

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	220 g
Built-In Depth (t ₂)	69 mm
Dimension Diagram	9AKK106354A0758

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.236 kg
E-Number (Finland)	3214059
E-Number (Norway)	1672359
E-Number (Sweden)	2160152

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

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

