



 PRODUCT-DETAILS

F202 A-40/0.03 AP-R

Residual Current Circuit Breaker - 2P - Type A - 30 mA - 40 A



General Information

Extended Product Type	F202 A-40/0.03 AP-R
Product ID	2CSF202401R1400
EAN	8012542785200
Catalog Description	Residual Current Circuit Breaker - 2P - Type A - 30 mA - 40 A
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. This product provides the best compromise between safety and continuity in the service, thanks to the resistance to unwanted trippings.

ABB EcoSolutions

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108469A3794
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 82.05 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill UL 2799 Zero Waste To Landfill Validation available
Sustainable Material	Recycled Paper - 00 %

Content in Packaging (wt. %)	Recycled Paper - 04 % Recycled Cardboard - 29 % Recycled Cardboard - 61 % Recycled Cardboard - 03 %
Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	9AKK108470A1748
Environmental Product Declaration - EPD	9AKK108469A9642

Technical

Type of Residual Current	Type A
Test Voltage (Ut)	170-254 V
Maximum Surge Current	3 kA
Leakage Current Type	A
Power Supply Connection	Arbitrary
Electrical Endurance	1000 cycle
Number of Poles	2P
Number of Modular Spacings per DIN Rail	2
Operating Characteristic	Instantaneous (APR High Immunity)
Tightening Torque	2.8 N·m
Accessory Type	Auxiliary contact Auxiliary/Signal contact Shunt trip Undervoltage release Overvoltage release Motor Operating Device Bottom fitting auxiliary contact Autoreclosing Unit Home automatic resetting unit
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal Cage Terminal Failsafe Biconnect Fork Top/Bottom Failsafe Biconnect Fork Bottom
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
Wire Stripping Length	12 mm
Terminal Type	Screw Terminals

Electrical

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
Input Voltage Type	AC

Rated Current (I _n)	40 A
Rated Residual Current	30 mA
Rated Conditional Short-Circuit Current (I _{nc})	10 kA
Frequency (f)	50/60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	at Rated Operating Conditions per Pole 2.4 W Total 4.8 W

Technical UL/CSA

Maximum Operating Voltage UL/CSA	277 V AC
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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
SCIP	18f132b0-8f03-4611-9c59-dba03cc369bf Italy
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer

Environmental

Ambient Air Temperature	Operation -25 ... 55 °C Storage -40 ... 70 °C
Degree of Protection	Terminals IP20 Housing IP40
Pollution Degree	2
Resistance to Vibrations	20 Cycles with Load 0.8 In: 1g or 1mm 5 ... 150 ... 5 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms
Environmental Information	Refer to RoHS

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

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.235 kg
E-Number (Finland)	3259664
E-Number (Norway)	1662938
E-Number (Sweden)	2160176

Certificates and Declarations

Declaration of Conformity - CE	9AKK106713A5602
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Installation

Instructions and Manuals	9AKK107991A6127
Mounting Type	DIN-Rail
Mounting Position	Any

Popular Downloads

Data Sheet, Technical Information	9AKK107991A8329
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External Classifications and Standards

ETIM 9	EC000003 - Residual current circuit breaker (RCCB)
UNSPSC	39121601
eClass	V11.0 : 27142201
IDEA Granular Category Code (IGCC)	4875 >> Residual current circuit breaker (RCCB)
Object Classification Code	F
Standards	IEC/EN 61008 UL 1053

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
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	Oversvoltage Release	S2C-OVP1	1	piece
2CSS200993R0005	Oversvoltage Release	S2C-OVP2	1	piece
2CSF200992R0005	Auto-reclosing unit	F2C-ARH	1	piece
2CSF200991R0005	Auto-reclosing unit with autotest	F2C-ARH -T	1	piece
2CSF201998R0034	Autoreclosing unit	F3C-AR24	1	piece
2CSF202998R0034	Autoreclosing unit	F3C-AR230	1	piece
2CSF203998R0034	Autoreclosing unit	F3C-AR230 D	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



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