



PRODUCT-DETAILS

F202 AC-40/0.03

Residual Current Circuit Breaker F200 - 2P - 30 mA - 40 A - Type AC



General Information	
Extended Product Type:	F202 AC-40/0.03
Product ID:	2CSF202001R1400
EAN:	8012542780106
Catalog Description:	Residual Current Circuit Breaker F200 - 2P - 30 mA - 40 A - Type AC
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.
Display Name:	F202 AC-40/0.03

ABB EcoSolutions	
Carbon Footprint (Full Lifecycle):	5.137452 kg CO ₂ eq
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 Content in Packaging (wt. %):	Recycled Paper - 0 %
	Recycled Paper - 3.91 %
	Recycled Cardboard - 29.08 %
	Recycled Cardboard - 61.23 %
	Recycled Cardboard - 2.66 %

Extended Product Lifetime: Product Durability

Offered with Takeback Services: Take Back for Recycling

End Of Life Disassembling Instructions: 9AKK108470A1748

Environmental Product Declaration - EPD: 9AKK108469A9642

Technical

Type of Residual Current: Type AC

Test Voltage (Ut): 170-254 V

Maximum Surge Current: 0.25 kA

Leakage Current Type: AC

Power Supply Connection: Arbitrary

Electrical Endurance: 10000 cycle

Mechanical Endurance: 20000 cycle

Number of Poles: 2P

Number of Modular Spacings per DIN Rail: 2

Operating Characteristic: Instantaneous

Tightening Torque: 2.8 N·m

Accessory Type: Auxiliary contact
Auxiliary/Signal contact
Shunt trip
Undervoltage release
Overvoltage release
Motor Operating Device
Autoreclosing Unit
Home automatic resetting unit

Screw Terminal Type: Failsafe Bi-directional Cylinder-lift Terminal

Options Provided: None

Accessories Available: Yes

Connecting Capacity: Busbar 10 mm²
Rigid 25 ... 25 mm²
Flexible 25 ... 25 mm²

Rated Cross-Section: 4 - Multi-Wired 0...25 mm²
1 - Solid-Core 25...25 mm²

Wire Stripping Length: 12 mm

Terminal Type: Screw Terminals

Electrical

Rated Voltage (Ur): 230 V

Rated Operational Voltage: 230 V

Rated Insulation Voltage (Ui): 500 V

Rated Impulse Withstand Voltage (Uimp): 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:	Total 4.8 W

Design

RAL Number:	Similar to RAL 7035
Number of Modules:	2

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	277 V AC
--	----------

Material Compliance

RoHS Declaration:	9AKK106713A5602
RoHS Information:	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:	e8229506-bdcb-47ec-b10f-6ae72c1a19bf 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 0.1mm 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

Engineering

EPLAN Data:	9AAC202083_EPLAN
-------------	------------------

Ordering

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

Certificates and Declarations

Declaration of Conformity - CE:	9AKK106713A5602
---------------------------------	-----------------

Installation

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

Popular Downloads

Data Sheet, Technical Information:	9AKK107991A8329
------------------------------------	-----------------

External Classifications and Standards

ETIM 9:	EC000003 - Residual current circuit breaker (RCCB)
ETIM 10:	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	Qty	Unit Of Measure
2CDS200912R0001	S2C-H6R Auxiliary Contact 1CO	S2C-H6R	2	piece
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	S2C-S/H6R	2	piece
2CDS200946R0001	S2C-H6-11R Auxiliary contact 1NO/1NC	S2C-H6-11R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary contact 2NC	S2C-H6-02R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary contact 2NO	S2C-H6-20R	1	piece
2CSS200910R0005	S2C-OVP1 Overvoltage release	S2C-OVP1	1	piece
2CSS200993R0005	S2C-OVP2 Overvoltage release	S2C-OVP2	1	piece
2CSF201998R0034	Monitoring unit with automatic reclosing F3C-AR - 4P	F3C-AR24	1	piece
2CSF202998R0034	Monitoring unit with automatic reclosing F3C-AR - 4P	F3C-AR230	1	piece
2CSF203998R0034	Monitoring unit with automatic reclosing F3C-AR - 4P	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

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Residual Current Devices RCDs > Residual Current Devices RCDs > F202



