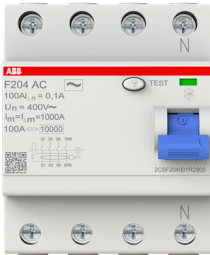




PRODUCT-DETAILS

F204 AC-100/0.1

Residual Current Circuit Breaker F200 - 4P - 100 mA - 100 A - Type AC



General Information	
Extended Product Type:	F204 AC-100/0.1
Product ID:	2CSF204001R2900
EAN:	8012542916901
Catalog Description:	Residual Current Circuit Breaker F200 - 4P - 100 mA - 100 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:	F204 AC-100/0.1

ABB EcoSolutions	
Carbon Footprint (Full Lifecycle):	17.157668 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): 110-254 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: 4P

Number of Modular Spacings per DIN Rail: 4

Operating Characteristic: Instantaneous

Position of Neutral Terminals: Right

Tightening Torque: 2.8 N·m

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

Screw Terminal Type: Cage Terminal

Options Provided: None

Accessories Available: Yes

Connecting Capacity:
 Busbar 10 mm²
 Rigid 35 ... 35 mm²
 Flexible 35 ... 35 mm²

Rated Cross-Section:
 4 - Multi-Wired 0...35 mm²
 1 - Solid-Core 35...35 mm²

Wire Stripping Length:
 Top 12.7 mm
 Bottom 14.9 mm

Terminal Type: Screw Terminals

Electrical

Rated Voltage (Ur): 230/400 V

Rated Operational Voltage: 230 ... 400 V AC

Rated Insulation Voltage (Ui): 500 V

Rated Impulse Withstand Voltage (U_{imp}): 4 kV

Input Voltage Type: AC

Rated Current (I_n): 100 A

Rated Residual Current: 100 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 8.2 W
Total 24.6 W

Design

RAL Number: RAL 7035 - Light Grey

Number of Modules: 4

Technical UL/CSA

Maximum Operating Voltage UL/CSA: 480Y / 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:	4
Product Net Width:	70 mm
Product Net Height:	85 mm
Product Net Depth / Length:	69 mm
Product Net Weight:	380 g
Built-In Depth (t ₂):	69 mm

Engineering

EPLAN Data: 9AAC202084_EPLAN

Ordering

Package Level 1 Units:	box 1 piece
Package Level 1 Gross Weight:	0.415 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
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 > F204



