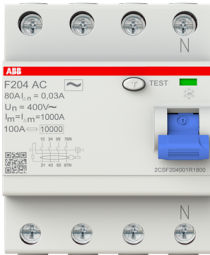




PRODUCT-DETAILS

F204 AC-80/0.03

Residual Current Circuit Breaker F200 - 4P - 30 mA - 80 A - Type AC



General Information	
Extended Product Type:	F204 AC-80/0.03
Product ID:	2CSF204001R1800
EAN:	8012542916604
Catalog Description:	Residual Current Circuit Breaker F200 - 4P - 30 mA - 80 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-80/0.03

ABB EcoSolutions	
Carbon Footprint (Full Lifecycle):	13.531668 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:	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 mm ² Rigid 35 ... 35 mm ² Flexible 35 ... 35 mm ²
Rated Cross-Section:	4 - Multi-Wired 0...35 mm ² 1 - Solid-Core 35...35 mm ²
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): 80 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 5.3 W
Total 15.9 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



