



 PRODUCT-DETAILS

F204 AC-40/0.1

Residual Current Circuit Breaker F200 - 4P - 100 mA - 40 A - Type AC



General Information

Extended Product Type:	F204 AC-40/0.1
Product ID:	2CSF204001R2400
EAN:	8012542781608
Catalog Description:	Residual Current Circuit Breaker F200 - 4P - 100 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:	F204 AC-40/0.1

ABB EcoSolutions

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 Bottom fitting auxiliary contact Autoreclosing 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):	230/400 V
---------------------------------------	-----------

Rated Operational Voltage:	230 ... 400 V AC
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:	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 3.2 W Total 9.6 W

Design

RAL Number:	Similar to RAL 7035
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:	360 g
Built-In Depth (t ₂):	69 mm

Engineering

EPLAN Data: 9AAC202084_EPLAN

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	80 mm
Package Level 1 Height:	82 mm
Package Level 1 Depth / Length:	94 mm
Package Level 1 Gross Weight:	0.415 kg
Package Level 1 EAN:	8012542781608
Package Level 2 Units:	box 3 piece
Package Level 2 Width:	96 mm
Package Level 2 Height:	85 mm
Package Level 2 Depth / Length:	240 mm
Package Level 2 Gross Weight:	1125 g
Package Level 2 EAN:	8012542781615

Ordering

Minimum Order Quantity: 1 piece

Certificates and Declarations

Declaration of Conformity - CE: 9AKK106713A5602

Installation

Instructions and Manuals: 9AKK107991A6127

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
2CSS200911R0005	S2C-UA 230 AC Undervoltage release	S2C-UA 230 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC Undervoltage release	S2C-UA 24 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage release	S2C-UA 24 AC	1	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage release	S2C-UA 48 DC	1	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage release	S2C-UA 110 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC Undervoltage release	S2C-UA 400 AC	1	piece
2CSS200911R0001	S2C-UA 12 DC Undervoltage release	S2C-UA 12 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC Undervoltage release	S2C-UA 230 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC Undervoltage release	S2C-UA 110 DC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage release	S2C-UA 48 AC	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

Identifier	Description	Type	Qty	Unit Of Measure
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

