PRODUCT-DETAILS

F204 AC-25/0.03

Residual Current Circuit Breaker F200 - 4P - Type AC - 30 mA - 25 A

General Information

Extended Product Type	F204 AC-25/0.03
Product ID	2CSF204001R1250
EAN	8012542781202
Catalog Description	Residual Current Circuit Breaker F200 - 4P - Type AC - 30 mA - 25 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.

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 Content in Packaging (wt. %)	Recycled Paper - 00 % Recycled Paper - 04 % Recycled Cardboard - 29 %

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	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 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 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 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 (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

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Input Voltage Type	AC
Rated Current (I_n)	25 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 1.3 W Total 3.9 W

Design

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 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

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Product Net Depth / Length	69 mm
Product Net Weight	360 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)
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

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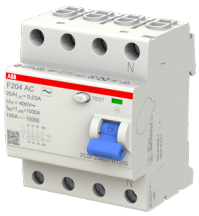
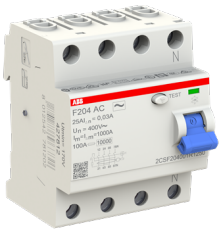
Identifier	Description	Type Quantity		Unit Of Measure
2CDS200912R0001	S2C-H6R Auxiliary Contact 1CO	S2C-H6R	2	piece
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	S2C-S/H6R	2	piece
2CDS200946R0001	S2C-H6-11R Auxiliary contact 1NO/1NC	S2C-H6-11R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary contact 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	Autoreclosing unit F3C-AR	F3C-AR24	1	piece
2CSF202998R0034	Autoreclosing unit F3C-AR	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

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





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