



## PRODUCT-DETAILS

## F204 F-25/0.03

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



#### General Information

Extended Product Type:	F204 F-25/0.03
Product ID:	2CSF204325R1250
EAN:	8012542993032
Catalog Description:	Residual Current Circuit Breaker F200 - 4P - 30 mA - 25 A - Type F
Long Description:	The RCCBs F200 series assures protection to people and installations against fault current to earth. Type F offers the same range of protection and functionality as an RCCB Type A APR, this means that they detect sinusoidal AC currents as well as pulsating DC currents.
Display Name:	F204 F-25/0.03

#### 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 %

<b>ABB Site Meeting Group Waste To Landfill Target:</b>	No non-hazardous waste is sent to a landfill UL 2799 Zero Waste To Landfill Validation available
<b>Sustainable Material Content in Packaging (wt. %):</b>	Recycled Paper - 0 % Recycled Paper - 3.91 % Recycled Cardboard - 29.08 % Recycled Cardboard - 61.23 % Recycled Cardboard - 2.66 %
<b>Extended Product Lifetime:</b>	Product Durability
<b>Offered with Takeback Services:</b>	Take Back for Recycling
<b>End Of Life Disassembling Instructions:</b>	9AKK108470A1748
<b>Environmental Product Declaration - EPD:</b>	9AKK108469A9642

## Technical

<b>Type of Residual Current:</b>	Type F
<b>Test Voltage (Ut):</b>	170-259 V
<b>Maximum Surge Current:</b>	4 kA
<b>Leakage Current Type:</b>	F
<b>Power Supply Connection:</b>	Arbitrary
<b>Electrical Endurance:</b>	10000 cycle
<b>Mechanical Endurance:</b>	20000 cycle
<b>Number of Poles:</b>	4P
<b>Number of Modular Spacings per DIN Rail:</b>	4
<b>Operating Characteristic:</b>	10ms Delay (High Immunity)
<b>Position of Neutral Terminals:</b>	Right
<b>Tightening Torque:</b>	2.8 N·m
<b>Accessory Type:</b>	Auxiliary contact Auxiliary/Signal contact Shunt trip Undervoltage release Overvoltage release Motor Operating Device Bottom fitting auxiliary contact Autoreclosing Unit
<b>Screw Terminal Type:</b>	Failsafe Bi-directional Cylinder-lift Terminal Cage Terminal Failsafe Biconnect Fork Top/Bottom Failsafe Biconnect Fork Bottom
<b>Options Provided:</b>	None
<b>Accessories Available:</b>	Yes
<b>Connecting Capacity:</b>	Busbar 10 mm <sup>2</sup> Rigid 25 ... 25 mm <sup>2</sup> Flexible 25 ... 25 mm <sup>2</sup>
<b>Rated Cross-Section:</b>	4 - Multi-Wired 0...25 mm <sup>2</sup> 1 - Solid-Core 25...25 mm <sup>2</sup>
<b>Wire Stripping Length:</b>	12 mm
<b>Terminal Type:</b>	Screw Terminals

## Electrical

<b>Rated Voltage (U<sub>r</sub>):</b>	230/400 V
<b>Rated Operational Voltage:</b>	230 ... 400 V AC
<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	500 V
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	4 kV
<b>Input Voltage Type:</b>	AC
<b>Rated Current (I<sub>n</sub>):</b>	25 A
<b>Rated Residual Current:</b>	30 mA
<b>Rated Conditional Short-Circuit Current (I<sub>nc</sub>):</b>	10 kA
<b>Frequency (f):</b>	50/60 Hz
<b>Rated Frequency (f):</b>	50/60 Hz
<b>Power Loss:</b>	at Rated Operating Conditions per Pole 1.3 W Total 3.9 W

## Design

<b>RAL Number:</b>	RAL 7035 - Light Grey
<b>Number of Modules:</b>	4

## Material Compliance

<b>RoHS Declaration:</b>	9AKK106713A5612
<b>RoHS Information:</b>	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
<b>RoHS Date:</b>	20211115
<b>REACH Declaration:</b>	9AKK108467A9482
<b>REACH Information:</b>	True - contains substances > 0.1 mass percentage
<b>REACH Date:</b>	20240429
<b>Conflict Minerals Reporting Template (CMRT):</b>	9AKK108468A3363
<b>SCIP:</b>	18f132b0-8f03-4611-9c59-dba03cc369bf Italy
<b>WEEE Category:</b>	5. Small Equipment (No External Dimension More Than 50 cm)
<b>WEEE B2C / B2B:</b>	Business To Consumer

## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... 55 °C Storage -40 ... 70 °C
<b>Degree of Protection:</b>	Terminals IP20 Housing IP40
<b>Pollution Degree:</b>	2
<b>Resistance to Vibrations:</b>	20 Cycles with Load 0.8 In: 1g or 0.1mm 5...150...5 Hz
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	25g 2 shocks 13 ms
<b>Environmental Information:</b>	Refer to RoHS

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## Dimensions

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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:	375 g
Built-In Depth (t <sub>2</sub> ):	69 mm

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## Container Information

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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:	8012542993032
Package Level 2 Units:	box 3 piece
Package Level 2 EAN:	8012542993049

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## Ordering

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Minimum Order Quantity:	1 piece
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## Certificates and Declarations

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Declaration of Conformity - CE:	9AKK106713A5612
NF Certificate:	9AKK108471A9257

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## Installation

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Instructions and Manuals:	9AKK107991A6127
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## Popular Downloads

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Data Sheet, Technical Information:	9AKK107991A8329
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## External Classifications and Standards

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ETIM 9:	EC000003 - Residual current circuit breaker (RCCB)
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<b>ETIM 10:</b>	EC000003 - Residual current circuit breaker (RCCB)
<b>UNSPSC:</b>	39121601
<b>eClass:</b>	V11.0 : 27142201
<b>IDEA Granular Category Code (IGCC):</b>	4875 >> Residual current circuit breaker (RCCB)
<b>Object Classification Code:</b>	F
<b>Standards:</b>	IEC/EN 61008-1, IEC/EN 61008-2-1, IEC/EN 62423

**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
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

