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 PRODUCT-DETAILS

## F204 A-40/0.03 110V

### Residual Current Circuit Breaker F200 - 4P - 30 mA - 40 A - Type A




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#### General Information

<b>Extended Product Type:</b>	F204 A-40/0.03 110V
<b>Product ID:</b>	2CSF204199R1400
<b>EAN:</b>	8012542342830
<b>Catalog Description:</b>	Residual Current Circuit Breaker F200 - 4P - 30 mA - 40 A - Type A
<b>Long Description:</b>	The RCCBs F200 series assures protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, protection, against indirect contacts and additional protection against direct contacts. Applications: residential, commercial, industrial. This particular series has the minimum operating voltage of test button of 110V and it is suitable for application at 230V.
<b>Display Name:</b>	F204 A-40/0.03 110V

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#### ABB EcoSolutions

<b>Carbon Footprint (Full Lifecycle):</b>	10.476348 kg CO <sub>2</sub> eq
<b>EcoSolutions Profile:</b>	9AKK108469A3794
<b>Recyclability Rate of the Product acc. to EN45555:</b>	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 A
<b>Test Voltage (Ut):</b>	110-254 V
<b>Leakage Current Type:</b>	A
<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>	Instantaneous
<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, Suitable for 110V applications
<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>	40 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 3.2 W Total 9.6 W

## Design

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

## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	480Y / 277 V AC
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## Material Compliance

<b>RoHS Declaration:</b>	9AKK106713A5602
<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>	e8229506-bdcb-47ec-b10f-6ae72c1a19bf 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

**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

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## 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<sub>2</sub>):** 69 mm

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## Engineering

**EPLAN Data:** 9AAC202084\_EPLAN

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## Ordering

**Package Level 1 Units:** box 1 piece

**Package Level 1 Gross Weight:** 0.415 kg

**E-Number (Finland):** 3214089

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## Certificates and Declarations

**Declaration of Conformity - CE:** 9AKK106713A5602

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## Installation

**Instructions and Manuals:** 9AKK107991A6127

**Mounting Type:** DIN-Rail

**Mounting Position:** Any

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## Popular Downloads

**Data Sheet, Technical Information:** 9AKK107991A8329

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## External Classifications and Standards

**ETIM 9:** EC000003 - Residual current circuit breaker (RCCB)

<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 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
2CSS200933R0011	Shunt trip F2C-A	F2C-A1	1	piece
2CSS200933R0012	Shunt trip F2C-A	F2C-A2	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 RCCDs > Residual Current Devices RCCDs > F204



