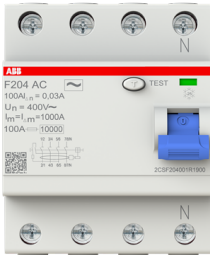




PRODUCT-DETAILS

# F204 AC-100/0.03

Residual Current Circuit Breaker F200 - 4P - 30 mA - 100 A - Type AC



| General Information    |                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type: | F204 AC-100/0.03                                                                                                                                                                                                                           |
| Product ID:            | 2CSF204001R1900                                                                                                                                                                                                                            |
| EAN:                   | 8012542916703                                                                                                                                                                                                                              |
| Catalog Description:   | Residual Current Circuit Breaker F200 - 4P - 30 mA - 100 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-100/0.03                                                                                                                                                                                                                           |

| ABB EcoSolutions                                   |                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Carbon Footprint (Full Lifecycle):                 | 17.157668 kg CO <sub>2</sub> 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<br>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 %  |

**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<sup>2</sup>  
 Rigid 35 ... 35 mm<sup>2</sup>  
 Flexible 35 ... 35 mm<sup>2</sup>

**Rated Cross-Section:**  
 4 - Multi-Wired 0...35 mm<sup>2</sup>  
 1 - Solid-Core 35...35 mm<sup>2</sup>

**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<sub>imp</sub>):** 4 kV

**Input Voltage Type:** AC

**Rated Current (I<sub>n</sub>):** 100 A

**Rated Residual Current:** 30 mA

**Rated Conditional Short-Circuit Current (I<sub>nc</sub>):** 10 kA

**Frequency (f):** 50/60 Hz

**Rated Frequency (f):** 50/60 Hz

**Power Loss:** at Rated Operating Conditions per Pole 8.2 W  
Total 24.6 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 <sub>2</sub> ):    | 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<br>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



