

PRODUCT-DETAILS

# F204 A-100/0.03 110V

## F204 A-100/0.03 110V Residual Current Circuit Breaker 4P A type 30 mA



### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | F204 A-100/0.03 110V   |
| Product ID            | 2CSF204199R1100  |
| EAN                   | 8012542079132  |
| Catalog Description   | F204 A-100/0.03 110V Residual Current Circuit Breaker 4P A type 30 mA  |
| Long Description      | 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 (with sensitivity = 30 mA) contacts. Applications: residential, commercial, industrial. This particular series has the minimum operating voltage of test bottom of 110V and it is suitable for application at 230V. |

### Circular Value

|  |   |
|--|---|
| Circular Design Principles<br>Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 52,5 % |
| Sustainable Material<br>Content                  | 0 %   |
| End of Life Instructions                         | 9AKK108468A4361   |

### Eco Transparency

|  |                 |
|--|-----------------|
| Environmental Product<br>Declaration - EPD | 9AKK108467A3700 |
|--|-----------------|

## Technical

|  |  |
|--|--|
| Standards  | IEC 61008<br>UL 1053   |
| Type of Residual Current                                   | A type   |
| Rated Voltage ( $U_r$ )                                    | 230/400 V  |
| Rated Operational Voltage                                  | 230 / 400 V AC   |
| Rated Insulation Voltage ( $U_i$ )                         | 500 V  |
| Test Voltage ( $U_t$ )                                     | 110 V  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )              | 4 kV   |
| Input Voltage Type   | AC   |
| Rated Current ( $I_n$ )                                    | 100 A  |
| Rated Residual Current                                     | 30 mA  |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )       | 10 kA  |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ) | 1 kA   |
| Leakage Current Type                                       | A  |
| Rated Frequency (f)  | 50 ... 60 Hz   |
| Power Loss   | at Rated Operating Conditions per Pole 8.2 W   |
| Power Supply Connection                                    | Arbitrary  |
| Electrical Endurance                                       | 10000 cycle  |
| Number of Poles  | 4  |
| Operating Characteristic                                   | Instantaneous  |
| Position of Neutral Terminals                              | Right  |
| Mounting Type  | DIN-Rail   |
| Options Provided   | None, Suitable for 110V applications   |
| Accessories Available                                      | Yes  |
| Connecting Capacity  | Busbar 10 mm <sup>2</sup><br>Rigid 35 ... 35 mm <sup>2</sup><br>Flexible 35 ... 35 mm <sup>2</sup> |
| Rated Cross-Section  | 4 - Multi-Wired 0...35 mm <sup>2</sup><br>1 - Solid-Core 35...35 mm <sup>2</sup>                   |

## Environmental

|  |  |
|--|--|
| Ambient Temperature                            | -25...55 °C  |
| Ambient Air Temperature                        | Operation -25...55 °C  |
| Degree of Protection                           | IP2X   |
| Pollution Degree                               | 2  |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 0.1 mm or 1 g - 20 cycles at 5...150..5 Hz                             |
| Resistance to Shock acc. to IEC 60068-2-27     | 25g 2 shocks 13 ms   |
| RoHS Status                                    | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Information                               | 9AKK106713A5602  |
| REACH Declaration                              | 9AKK108467A9482  |
| Environmental Information                      | Refer to RoHS  |
| Conflict Minerals Reporting Template (CMRT)    | 9AKK108468A3363  |

## Technical UL/CSA

|                                     |                 |
|-------------------------------------|-----------------|
| Maximum Operating Voltage UL/CSA    | 480Y / 277 V AC |
| Short-Circuit Current Rating (SCCR) | 30 mA           |

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 4        |
| Product Net Width                   | 0.070 m  |
| Product Net Height                  | 0.085 m  |
| Product Net Depth / Length          | 0.069 m  |
| Product Net Weight                  | 0.350 kg |
| Built-In Depth (t <sub>2</sub> )    | 69 mm    |

## Ordering

|                              |             |
|------------------------------|-------------|
| Minimum Order Quantity       | 1 piece     |
| Package Level 1 Units        | box 1 piece |
| Package Level 1 Gross Weight | 0.415 kg    |
| Customs Tariff Number        | 85363030    |
| Country of Origin            | Italy (IT)  |

## Certificates and Declarations

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 9AKK106713A5602 |
|--------------------------------|-----------------|

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107991A8329 |
| Instructions and Manuals          | 9AKK107991A6127 |
| EPLAN Macro                       | 9AKK106930A1239 |

## Classifications

|                                    |  |
|------------------------------------|--|
| ETIM 8                             | EC000003 - Residual current circuit breaker (RCCB)                                 |
| ETIM 9                             | EC000003 - Residual current circuit breaker (RCCB)                                 |
| EPLAN Catalog Tree                 | Electrical engineering / Protection devices / Ground fault current circuit breaker |
| WEEE Category                      | 5. Small Equipment (No External Dimension More Than 50 cm)                         |
| WEEE B2C / B2B                     | Business To Consumer   |
| CN8                                | 85363030   |
| UNSPSC                             | 39121601   |
| eClass                             | V11.0 : 27142201   |
| IDEA Granular Category Code (IGCC) | 4875 >> Residual current circuit breaker (RCCB)                                    |
| Object Classification Code         | F  |

## Accessories

| Identifier      | Description                          | Type          | Quantity | Unit Of Measure |
|-----------------|--------------------------------------|---------------|----------|-----------------|
| 2CDS200912R0001 | S2C-H6R Auxiliary Contact            | S2C-H6R       | 2        | piece           |
| 2CDS200922R0001 | S2C-S/H6R Signal / Auxiliary Contact | S2C-S/H6R     | 2        | piece           |
| 2CDS200946R0001 | S2C-H6-11R Auxiliary Contact         | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0003 | S2C-H6-02R Auxiliary Contact         | S2C-H6-02R    | 1        | piece           |
| 2CDS200946R0002 | S2C-H6-20R Auxiliary Contact         | S2C-H6-20R    | 1        | piece           |
| 2CSS200933R0011 | F2C-A1 Shunt trip                    | F2C-A1        | 1        | piece           |
| 2CSS200933R0012 | F2C-A2 Shunt trip                    | F2C-A2        | 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           |
| 2CSF200997R0013 | F2C-CM Motor operating device        | F2C-CM        | 1        | piece           |
| 2CSF200996R0013 | F2C-ARI Auto-reclosing unit          | F2C-ARI       | 1        | piece           |

## Categories

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

