

## PRODUCT-DETAILS

# F202 A-100/0.03 AP-R

## F202 A-100/0.03 AP-R Residual Current Circuit Breaker



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | F202 A-100/0.03 AP-R                                                                                                                                                                                                                                                                                                                                                               |
| Product ID            | 2CSF202401R1900                                                                                                                                                                                                                                                                                                                                                                    |
| EAN                   | 8012542916505                                                                                                                                                                                                                                                                                                                                                                      |
| Catalog Description   | F202 A-100/0.03 AP-R Residual Current Circuit Breaker                                                                                                                                                                                                                                                                                                                              |
| 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. This product provides the best compromise between safety and continuity in the service, thanks to the resistance to unwanted trippings. |

### Technical

|                                               |                                  |
|-----------------------------------------------|----------------------------------|
| Standards                                     | IEC/EN 61008<br>UL 1053          |
| Product Name                                  | Residual Current Circuit Breaker |
| Type of Residual Current                      | A type                           |
| Rated Voltage ( $U_r$ )                       | 230 V                            |
| Rated Operational Voltage                     | 230 V                            |
| Rated Insulation Voltage ( $U_i$ )            | 500 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                                                                                               |
| Maximum Surge Current                                      | 3 kA                                                                                               |
| Leakage Current Type                                       | A                                                                                                  |
| Rated Frequency (f)                                        | 50 / 60 Hz                                                                                         |
| Power Loss                                                 | at Rated Operating Conditions per Pole 6.5 W                                                       |
| Power Supply Connection                                    | Arbitrary                                                                                          |
| Electrical Endurance                                       | 10000 cycle                                                                                        |
| Number of Poles                                            | 2                                                                                                  |
| Operating Characteristic                                   | Instantaneous (APR High Immunity)                                                                  |
| Mounting Type                                              | DIN rail                                                                                           |
| Options Provided                                           | None                                                                                               |
| 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                                 |
| RoHS Status               | Following EU Directive 2011/65/EU |
| Environmental Information | Refer to RoHS                     |

## Technical UL/CSA

|                                     |          |
|-------------------------------------|----------|
| Maximum Operating Voltage UL/CSA    | 277 V AC |
| Short-Circuit Current Rating (SCCR) | 0.03 A   |

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 2        |
| Product Net Width                   | 0.035 m  |
| Product Net Height                  | 0.085 m  |
| Product Net Depth / Length          | 0.069 m  |
| Product Net Weight                  | 0.200 kg |
| Built-In Depth ( $t_2$ )            | 69 mm    |

## Container Information

|                        |             |
|------------------------|-------------|
| Package Level 1 Units  | box 1 piece |
| Package Level 1 Width  | 80 mm       |
| Package Level 1 Height | 41 mm       |

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Depth / Length | 94 mm         |
| Package Level 1 Gross Weight   | 0.235 kg      |
| Package Level 1 EAN            | 8012542916505 |

## Ordering

|                         |            |
|-------------------------|------------|
| Minimum Order Quantity  | 1 piece    |
| Customs Tariff Number   | 85363030   |
| Country of Origin       | Italy (IT) |
| Selling Unit of Measure | piece      |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 9AKK106713A5602 |
| Environmental Information      | Refer to RoHS   |
| Instructions and Manuals       | 9AKK107991A6127 |
| RoHS Information               | 2CSC423001K2702 |

## Popular Downloads

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

## Classifications

|                            |                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ETIM 6                     | EC000003 - Residual current circuit breaker (RCCB)                                                                                                                 |
| ETIM 7                     | EC000003 - Residual current circuit breaker (RCCB)                                                                                                                 |
| ETIM 8                     | EC000003 - Residual current circuit breaker (RCCB)                                                                                                                 |
| EPLAN Catalog Tree         | Electrical engineering / Protection devices / Ground fault current circuit breaker                                                                                 |
| EPLAN Function Definition  | Ground fault current circuit-breaker / Ground fault current circuit breakers, 4 connection points / Ground fault current circuit breaker, two-pole 1/2 2/1 3/4 4/3 |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm)                                                                                                         |
| WEEE B2C / B2B             | Business To Consumer                                                                                                                                               |
| CN8                        | 85363030                                                                                                                                                           |
| Object Classification Code | F                                                                                                                                                                  |

## Categories

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

