

## PRODUCT-DETAILS

# FS403MK-C20/0.3

## FS403MK-C20/0.3 Residual Current Circuit Breaker with Overcurrent Protection



### General Information

|                       |                                                                                                                                                                                                                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | FS403MK-C20/0.3                                                                                                                                                                                                                                                                                                        |
| Product ID            | 2CCL563330E0204                                                                                                                                                                                                                                                                                                        |
| EAN                   | 7612271470876                                                                                                                                                                                                                                                                                                          |
| Catalog Description   | FS403MK-C20/0.3 Residual Current Circuit Breaker with Overcurrent Protection                                                                                                                                                                                                                                           |
| Long Description      | Pluggable Residual Current Circuit Breaker with overcurrent Protection for the SMISSLINE TP System acc. IEC/EN/DIN EN 61009-1, EN/DIN EN 61009-2-1 Rated breaking capacity Icn 10kAType F; AP-R (high immunity) Tripping characteristic C Rated current In 20A Rated sensitivity I Δn 0.3A Rated voltage Ue 240/415VAC |

### Technical

|                                                     |                                                                                 |
|-----------------------------------------------------|---------------------------------------------------------------------------------|
| Standards                                           | IEC 61009-1<br>EN 61009-1<br>DIN EN 61009-1<br>EN 61009-2-1<br>DIN EN 61009-2-1 |
| Product Name                                        | Residual Current Circuit Breaker with Overcurrent Protection                    |
| Tripping Characteristic                             | C                                                                               |
| Type of Residual Current                            | A K type                                                                        |
| Rated Voltage (U <sub>r</sub> )                     | 240 / 415 V                                                                     |
| Rated Operational Voltage                           | 240 ... 415 V AC                                                                |
| Rated Insulation Voltage (U <sub>i</sub> )          | 500 V                                                                           |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 4 kV                                                                            |

|                                                                              |                                                                                 |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Input Voltage Type                                                           | AC                                                                              |
| Rated Current ( $I_n$ )                                                      | 20 A                                                                            |
| Rated Residual Operating Current ( $I_{\Delta n}$ )                          | 0.3 A                                                                           |
| Rated Residual Current                                                       | 300 mA                                                                          |
| Rated Short-Circuit Capacity ( $I_{cn}$ )                                    | (240 / 415 V AC) 10 kA                                                          |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )                  | 10 kA                                                                           |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )                         | 10 kA                                                                           |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )                   | (415 V AC) 7.5 kA                                                               |
| Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ ) | 10 kA                                                                           |
| Maximum Surge Current                                                        | 3 kA                                                                            |
| Leakage Current Type                                                         | A                                                                               |
| Frequency (f)                                                                | 50/60 Hz                                                                        |
| Rated Frequency (f)                                                          | 50 ... 60 Hz                                                                    |
| Power Loss                                                                   | 7.5 W                                                                           |
| Energy Limiting Class                                                        | 3                                                                               |
| Number of Poles                                                              | 4                                                                               |
| Number of Protected Poles                                                    | 3                                                                               |
| Operating Characteristic                                                     | Instantaneous (APR High Immunity)                                               |
| Overvoltage Category                                                         | III                                                                             |
| Position of Neutral Terminals                                                | Right                                                                           |
| Earthing Switch Type                                                         | Short-Time Delayed                                                              |
| Release Type                                                                 | C                                                                               |
| Accessories Available                                                        | Yes                                                                             |
| Rated Cross-Section                                                          | 1 - Solid-Core 0...35 mm <sup>2</sup><br>4 - Multi-Wired 0...35 mm <sup>2</sup> |

## Environmental

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Ambient Temperature     | -25...40 °C                                                     |
| Ambient Air Temperature | Operation -25...40 °C                                           |
| Degree of Protection    | IP20                                                            |
| Pollution Degree        | 2                                                               |
| RoHS Status             | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## Technical UL/CSA

|                                     |       |
|-------------------------------------|-------|
| Short-Circuit Current Rating (SCCR) | 0.3 A |
|-------------------------------------|-------|

## Dimensions

|                                     |       |
|-------------------------------------|-------|
| Width in Number of Modular Spacings | 4     |
| Product Net Width                   | 72 mm |
| Product Net Height                  | 91 mm |

|                                  |       |
|----------------------------------|-------|
| Product Net Depth / Length       | 97 mm |
| Product Net Weight               | 545 g |
| Product Net Length               | 97 mm |
| Built-In Depth (t <sub>2</sub> ) | 91 mm |

## Container Information

|                                |                |
|--------------------------------|----------------|
| Package Level 1 Units          | carton 1 piece |
| Package Level 1 Width          | 100 mm         |
| Package Level 1 Height         | 90 mm          |
| Package Level 1 Depth / Length | 75 mm          |
| Package Level 1 Gross Weight   | 466 g          |
| Package Level 1 EAN            | 7612271470876  |

## Ordering

|                         |                  |
|-------------------------|------------------|
| Minimum Order Quantity  | 1 piece          |
| Customs Tariff Number   | 85362020         |
| E-Number (Switzerland)  | 809180792        |
| Country of Origin       | Switzerland (CH) |
| Selling Unit of Measure | piece            |

## Certificates and Declarations (Document Number)

|                                |                      |
|--------------------------------|----------------------|
| Declaration of Conformity - CE | 2CCC005001D0201      |
| Instructions and Manuals       | 9AKK107680A1664      |
| RoHS Information               | 2CCC413008D0206_RoHS |

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107492A6192 |
| Instructions and Manuals          | 9AKK107680A1664 |
| Dimension Diagram                 | 9AKK107492A6192 |

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 6                     | EC000905 - Earth leakage circuit breaker                   |
| ETIM 7                     | EC000905 - Earth leakage circuit breaker                   |
| ETIM 8                     | EC000905 - Earth leakage circuit breaker                   |
| EPLAN Catalog Tree         | Electrical engineering / Protection devices / General      |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B             | Business To Business                                       |
| CN8                        | 85362020                                                   |
| Object Classification Code | FB                                                         |

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## Categories

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Low Voltage Products and Systems → Modular DIN Rail Products → Plug-in Distribution Systems → Residual Current Circuit Breakers with Overcurrent Protection RCBO

