

PRODUCT-DETAILS

# FS402MK-B16/0.03

## FS402MK-B16/0.03 Residual Current Circuit Breaker with Overcurrent Protection



### General Information

|                       |                                                                                                                                                                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | FS402MK-B16/0.03                                                                                                                                                                                                                                                                                             |
| Product ID            | 2CCL563010E0165                                                                                                                                                                                                                                                                                              |
| EAN                   | 7612271474010                                                                                                                                                                                                                                                                                                |
| Catalog Description   | FS402MK-B16/0.03 Residual Current Circuit Breaker with Overcurrent Protection                                                                                                                                                                                                                                |
| Long Description      | Pluggable Residual Current Circuit Breaker with overcurrent Protection for the SMISLINE TP System acc. IEC/EN/DIN EN 61009-1, EN/DIN EN 61009-2-1 Rated breaking capacity Icn 10kA Type F; AP-R (high immunity) Tripping characteristic B Rated current In 16AK Rated sensitivity I Δn 0.03 Rated voltage Ue |

### 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         | B                                                                               |
| Type of Residual Current        | F Type                                                                          |
| Rated Voltage (U <sub>r</sub> ) | 240 V                                                                           |
| Rated Operational Voltage       | 240 V AC                                                                        |
| Rated Insulation Voltage        | 500 V                                                                           |

(U<sub>I</sub>)

|                                                                                           |                                                                                 |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )                                       | 4 kV                                                                            |
| Input Voltage Type                                                                        | AC                                                                              |
| Rated Current (I <sub>n</sub> )                                                           | 16 A                                                                            |
| Rated Residual Operating Current (I <sub>Δn</sub> )                                       | 0.03 A                                                                          |
| Rated Residual Current                                                                    | 30 mA                                                                           |
| Rated Short-Circuit Capacity (I <sub>cn</sub> )                                           | (240 V AC) 10 kA                                                                |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )                         | 10 kA                                                                           |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> )                                | 10 kA                                                                           |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )                          | (240 V AC) 7.5 kA                                                               |
| Rated Service Short-Circuit Breaking Capacity, in % of I <sub>cu</sub> (I <sub>cs</sub> ) | 10 kA                                                                           |
| Maximum Surge Current                                                                     | 3 kA                                                                            |
| Leakage Current Type                                                                      | A                                                                               |
| Frequency (f)                                                                             | 50/60 Hz                                                                        |
| Rated Frequency (f)                                                                       | 50 ... 60 Hz                                                                    |
| Energy Limiting Class                                                                     | 3                                                                               |
| Number of Poles                                                                           | 2                                                                               |
| Number of Protected Poles                                                                 | 2                                                                               |
| Operating Characteristic                                                                  | Instantaneous (APR High Immunity)                                               |
| Overvoltage Category                                                                      | III                                                                             |
| Position of Neutral Terminals                                                             | Right                                                                           |
| Earthing Switch Type                                                                      | Short-Time Delayed                                                              |
| Release Type                                                                              | B                                                                               |
| 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 |
| Environmental Information | 2CCC451024D0201                                                 |

## Technical UL/CSA

|                                        |        |
|----------------------------------------|--------|
| Short-Circuit Current<br>Rating (SCCR) | 0.03 A |
|----------------------------------------|--------|

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## Dimensions

|                                        |       |
|----------------------------------------|-------|
| Width in Number of<br>Modular Spacings | 2     |
| Product Net Width                      | 91 mm |
| Product Net Height                     | 91 mm |
| Product Net Depth /<br>Length          | 91 mm |
| Product Net Weight                     | 312 g |
| Product Net Length                     | 91 mm |
| Built-In Depth (t <sub>2</sub> )       | 91 mm |

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## Container Information

|                                   |                |
|-----------------------------------|----------------|
| Package Level 1 Units             | carton 1 piece |
| Package Level 1 Width             | 95 mm          |
| Package Level 1 Height            | 95 mm          |
| Package Level 1 Depth /<br>Length | 62 mm          |
| Package Level 1 Gross<br>Weight   | 353 g          |
| Package Level 1 EAN               | 7612271474010  |

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## Ordering

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

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## Certificates and Declarations (Document Number)

|                                   |                      |
|-----------------------------------|----------------------|
| Declaration of Conformity<br>- CE | 2CCC451036D0201      |
| Environmental Information         | 2CCC451024D0201      |
| Instructions and Manuals          | 9AKK107992A6811      |
| RoHS Information                  | 2CCC413008D0206_RoHS |

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## Popular Downloads

|                                      |                 |
|--------------------------------------|-----------------|
| Data Sheet, Technical<br>Information | 2CCC404004C0203 |
| Instructions and Manuals             | 9AKK107992A6811 |
| Dimension Diagram                    | 2CCC404004C0203 |

| 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                                                         |  |

Categories

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

