

PRODUCT-DETAILS

FS401MK-C25/0.03

FS401MK-C25/0.03 Residual Current Circuit Breaker with Overcurrent Protection



General Information

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| Extended Product Type | FS401MK-C25/0.03 |
| Product ID | 2CCL562310E1254 |
| EAN | 7612271472986 |
| Catalog Description | FS401MK-C25/0.03 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 I _{cn} 10kA Type F; AP-R (high immunity) Tripping characteristic C Rated current I _n 25AK Rated sensitivity I _{Δn} 0.03 Rated voltage U _e 240VAC |

Technical

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|---|---|
| Standards | IEC 61009-1 EN 61009-1 DIN EN 61009-1 EN 61009-2-1 DIN EN 61009-2-1 |
| Tripping Characteristic | C |
| Type of Residual Current | F type |
| Rated Operational Voltage | 240 V AC |
| Rated Insulation Voltage (U _i) | 500 V |
| Rated Impulse Withstand Voltage (U _{imp}) | 4 kV |
| Dielectric Test Voltage | 2500 V |

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| Input Voltage Type | AC |
| Rated Current (I_n) | 25 A |
| Rated Residual Current | 30 mA |
| Rated Short-Circuit Capacity | (AC) 10 kA (240 / 415 V AC) 10 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (240 V AC) 15 kA |
| Rated Residual Breaking Capacity ($I_{\Delta m}$) | 10000 A |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | (240 V AC) 7.5 kA |
| Rated Service Short-Circuit Breaking Capacity, in % of I_{cu} (I_{cs}) | 50 % |
| Maximum Surge Current | 3 kA |
| Leakage Current Type | F |
| Frequency (f) | 50/60 Hz |
| Rated Frequency (f) | 50 ... 60 Hz |
| Power Loss | 4.4 W |
| Contact Position Indication | Red ON / Green OFF |
| Energy Limiting Class | 3 |
| Electrical Endurance | 10000 cycle |
| Mechanical Endurance | 10000 cycle |
| Number of Poles | 2 |
| Number of Protected Poles | 1 |
| Operating Characteristic | Instantaneous (APR High Immunity) |
| Overvoltage Category | III |
| Position of Neutral Terminals | Right |
| Tightening Torque | 2.8 N·m |
| Actuator Type | Toggle |
| Earthing Switch Type | Short-Time Delayed |
| Release Type | C |
| Screw Terminal Type | Failsafe Bi-directional Cylinder-lift Terminal |
| Actuator Material | Insulation Group II, Black, Sealable |
| Housing Material | Insulation Group I, RAL 7035 |
| Mounting Position | Any |
| Accessories Available | Yes |
| Connecting Capacity | Stranded 0.75 ... 35 mm ² Flexible 0.75 ... 25 mm ² |
| Rated Cross-Section | 1 - Solid-Core 0...35 mm ² 4 - Multi-Wired 0...35 mm ² |

Environmental

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| Ambient Temperature | -25 ... 60 °C |
| Reference Ambient Air Temperature | 30 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 2 |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 2...13.2 Hz/1 mm 13.2...100Hz/0.7 g, 5 cycles |

5...150 ... 5 Hz/1 g, 4 waves

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|---|---|
| RoHS Status | Following EU Directive 2002/95/EC August 18, 2005 and amendment |
| RoHS Information | 2CCC413008D0206_RoHS |
| Environmental Information | 9AKK108467A9561 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Dimensions

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|-------------------------------------|-----------------|
| Width in Number of Modular Spacings | 2 |
| Product Net Width | 36 mm |
| Product Net Height | 91 mm |
| Product Net Depth / Length | 78 mm |
| Product Net Weight | 200 g |
| Built-In Depth (t ₂) | 91 mm |
| Dimension Diagram | 9AKK107492A6192 |

Ordering

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|------------------------------|----------------|
| Minimum Order Quantity | 1 piece |
| Package Level 1 Units | carton 1 piece |
| Package Level 1 Gross Weight | 239 g |
| E-Number (Switzerland) | 809151137 |

Certificates and Declarations

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|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CCC451036D0201 |
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Installation

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|--------------------------|-----------------|
| Instructions and Manuals | 9AKK107680A1664 |
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Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107492A6192 |
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Classifications

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|----------------------------|--|
| ETIM 8 | EC000905 - Earth leakage circuit breaker |
| ETIM 9 | EC000905 - Earth leakage circuit breaker |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Business |
| CN8 | 85362020 |
| eClass | V11.0 : 27142207 |
| Object Classification Code | FB |

Accessories

| Identifier | Description | Type | Quantity | Unit Of Measure |
|-----------------|-------------|--------------------------------------|----------|-----------------|
| 2CCS500900R0081 | HK40011-L | HK40011-L Auxiliary switch | 1 | piece |
| 2CCF201112R0001 | HK40020-L | HK40020-L Auxiliary switch | 1 | piece |
| 2CCF201114R0001 | HK40002-L | HK40002-L Auxiliary switch | 1 | piece |
| 2CCS500900R0101 | SK40011-L | SK40011-L Signal contact | 1 | piece |
| 2CCF201162R0001 | SK40020-L | SK40020-L Signal contact | 1 | piece |
| 2CCF201164R0001 | SK40002-L | SK40002-L Signal contact | 1 | piece |
| 2CCS500900R0141 | SK40010-LSA | SK40010-LSA Signal contact | 1 | piece |
| 2CCF201212R0001 | HK40010-LSA | HK400 10-L SA Auxiliary switch | 1 | piece |
| 2CCS500900R0161 | ZLS931 | ZLS931 Spare parts | 1 | piece |
| 2CCA880211R0001 | CMS-121PS | CMS-121PS Sensor | 1 | piece |
| 2CCA880101R0001 | CMS-101PS | CMS-101PS Sensor | 1 | piece |

Categories

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

