

PRODUCT-DETAILS

# FS403MK-C10/0.03

## FS403MK-C10/0.03 Residual Current Circuit Breaker with Overcurrent Protection



### General Information

Extended Product Type	FS403MK-C10/0.03
Product ID	2CCL564310E0104
EAN	7612271470975
Catalog Description	FS403MK-C10/0.03 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 C Rated current In 10A Rated sensitivity I Δn 0.03 Rated voltage Ue 240/415VAC

### Technical

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 ... 415 V AC
Rated Insulation Voltage (U <sub>i</sub> )	500 V

Rated Impulse Withstand Voltage ( $U_{imp}$ )	4 kV
Dielectric Test Voltage	2500 V
Input Voltage Type	AC
Rated Current ( $I_n$ )	10 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	(AC) 10 kA (240 V AC) 10 kA (240 / 415 V AC) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(240 V AC) 25 kA (415 V AC) 25 kA
Rated Residual Breaking Capacity ( $I_{\Delta m}$ )	10000 A
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(240 V AC) 15 kA (415 V AC) 15 kA
Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ )	75 %
Maximum Surge Current	3 kA
Leakage Current Type	F
Frequency (f)	50/60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	4.9 W
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	10000 cycle
Number of Poles	4
Number of Protected Poles	3
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 <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup>
Rated Cross-Section	1 - Solid-Core 0...35 mm <sup>2</sup> 4 - Multi-Wired 0...35 mm <sup>2</sup>

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## 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
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

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## Dimensions

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Width in Number of Modular Spacings	4
Product Net Width	72 mm
Product Net Height	91 mm
Product Net Depth / Length	91 mm
Product Net Weight	410 g
Built-In Depth (t <sub>2</sub> )	91 mm
Dimension Diagram	9AKK107492A6192

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## Ordering

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Minimum Order Quantity	1 piece
Package Level 1 Units	carton 1 piece
Package Level 1 Gross Weight	466 g
E-Number (Switzerland)	809178877

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## Certificates and Declarations

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Declaration of Conformity - CE	2CCC005001D0201
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## Installation

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Instructions and Manuals	9AKK107680A1664
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## Popular Downloads

Data Sheet, Technical  
Information

9AKK107492A6192

## Classifications

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
2CCA880212R0001	CMS-122PS	CMS-122PS Sensor	3	piece
2CCA880102R0001	CMS-102PS	CMS-102PS Sensor	3	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

