

PRODUCT-DETAILS

# FS401MK-C20/0.03

## FS401MK-C20/0.03 Residual Current Circuit Breaker with Overcurrent Protection



### General Information

Extended Product Type	FS401MK-C20/0.03
Product ID	2CCL562310E1204
EAN	7612271472948
Catalog Description	FS401MK-C20/0.03 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 <sub>cn</sub> 10kA Type F; AP-R (high immunity) Tripping characteristic C Rated current I <sub>n</sub> 20AK Rated sensitivity I <sub>Δn</sub> 0.03 Rated voltage U <sub>e</sub> 240VAC

### Technical

Standards	IEC 61009-1 EN 61009-1 DIN EN 61009-1 EN 61009-2-1 DIN EN 61009-2-1
Product Name	Residual Current Circuit Breaker with Overcurrent Protection
Tripping Characteristic	C
Type of Residual Current	F Type
Rated Voltage (U <sub>r</sub> )	240 V
Rated Operational Voltage	240 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 ( $I_{\Delta n}$ )	0.03 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity ( $I_{cn}$ )	(240 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 ( $I_{cs}$ )	(240 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	3 W
Energy Limiting Class	3
Number of Poles	2
Number of Protected Poles	1
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> 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 Rating (SCCR)	0.03 A
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## Dimensions

Width in Number of Modular Spacings	2
Product Net Width	36 mm

Product Net Height	91 mm
Product Net Depth / Length	91 mm
Product Net Weight	200 g
Product Net Length	91 mm
Built-In Depth (t <sub>2</sub> )	91 mm

## 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 / Length	44 mm
Package Level 1 Gross Weight	239 g
Package Level 1 EAN	7612271472948

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020
E-Number (Switzerland)	809150137
Country of Origin	Switzerland (CH)
Selling Unit of Measure	piece

## Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC451036D0201
Environmental Information	2CCC451024D0201
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

