

PRODUCT-DETAILS

FS401M-B16/0.03

FS401M-B16/0.03 Residual Current Circuit Breaker with Overcurrent Protection



General Information

Extended Product Type	FS401M-B16/0.03
Product ID	2CCL562110E0165
EAN	7612270104512
Catalog Description	FS401M-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 I _{cn} 10kA Tripping characteristic B Rated current I _n 16A Rated sensitivity I _{Δn} 0.03A Rated voltage U _e 240VAC

Technical

Standards	IEC 61009-1 EN 61009-1 DIN EN 61009-1 EN 61009-2-1 DIN EN 61009-2-1
Tripping Characteristic	B
Type of Residual Current	A 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
Input Voltage Type	AC

Rated Current (I_n)	16 A
Rated Operational Current (I_e)	16 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) 25 kA
Rated Residual Breaking Capacity ($I_{\Delta m}$)	10000 A
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(240 V AC) 15 kA
Rated Service Short-Circuit Breaking Capacity, in % of I_{cu} (I_{cs})	75 %
Maximum Surge Current	0.25 kA
Leakage Current Type	A
Frequency (f)	50/60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	2.7 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
Overvoltage Category	III
Position of Neutral Terminals	Right
Tightening Torque	2.8 N·m
Actuator Type	Toggle
Earthing Switch Type	Undelayed
Release Type	B
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

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
Environmental Information	2CCY451206D0201

Dimensions

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
Size	2 modules
Built-In Depth (t ₂)	91 mm

Container Information

Package Level 1 Units	carton 1 piece
Package Level 1 Width	44 mm
Package Level 1 Height	100 mm
Package Level 1 Depth / Length	95 mm
Package Level 1 Gross Weight	239 g
Package Level 1 EAN	7612270104512

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020
E-Number (Switzerland)	809019837
Country of Origin	Switzerland (CH)

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC451036D0201
Environmental Information	2CCY451206D0201
Instructions and Manuals	9AKK107680A1664
RoHS Information	2CCC413008D0206_RoHS

Popular Downloads

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

Classifications

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
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	1	piece
2CCA880102R0001	CMS-102PS	CMS-102PS Sensor	1	piece

Categories

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

