



PRODUCT-DETAILS

FS403M-C32/0.03

FS403M-C32/0.03 Residual Current Circuit Breaker with Overcurrent Protection



General Information	
Extended Product Type	FS403M-C32/0.03
Product ID	2CCG001731R0001
EAN	7612271522001
Catalog Description	FS403M-C32/0.03 Residual Current Circuit Breaker with Overcurrent Protection
Long Description	The FS403 series is a 3P+N pluggable Residual Current Circuit Breaker with overcurrent Protection for the SMISLINE TP System for the protection of end user circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and addition al protection against direct contacts.

ABB EcoSolutions	
End Of Life Disassembling Instructions	9AKK108471A2433
Environmental Product Declaration - EPD	9AKK108470A5866

Technical

Type of Residual Current	Type A
Dielectric Test Voltage	2500 kV
Rated Operational Current (I_e)	32 A
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	15 kA
Rated Residual Breaking Capacity ($I_{\Delta m}$)	6000 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})	10 kA
Maximum Surge Current	3 kA
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	3
Number of Poles	4P
Operating Characteristic	Instantaneous
Position of Neutral Terminals	Right
Tightening Torque	2.8 N·m
Actuator Type	Toggle
Earthing Switch Type	Undelayed
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Material	Insulation Group II, Black, Sealable
Accessories Available	Yes
Connecting Capacity	Stranded 0.75 ... 35 mm ² Flexible 0.75 ... 25 mm ²
Rated Cross-Section	1 - Solid-Core 0.75 ... 35 mm ² 4 - Multi-Wired 0.75 ... 10 mm ²

Electrical

Tripping Characteristic	C
Rated Operational Voltage	acc. to IEC 60898-1 415 V
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 500 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV
Input Voltage Type	AC
Rated Current (I_n)	32 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	10 kA
Rated Frequency (f)	50 ... 60 Hz
Power Loss	12.6 W
Overvoltage Category	III

Design

Housing Material	Insulation Group I, RAL 7035
------------------	------------------------------

Material Compliance

RoHS Declaration	9AKK108469A5446
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20240603
REACH Declaration	9AKK108467A9561
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20230417
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

Environmental

Ambient Air Temperature	Operation -25 ... 60 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20
Pollution Degree	2
Resistance to Vibrations	1 mm 2 ... 13.2 Hz
Environmental Information	9AKK108467A9561

Dimensions

Width in Number of Modular Spacings	4
Product Net Width	72 mm
Product Net Height	91 mm
Product Net Depth / Length	68 mm
Product Net Weight	420 g
Built-In Depth (t ₂)	78 mm
Dimension Diagram	9AKK108469A5766

Ordering

Package Level 1 Units	carton 1 piece
Package Level 1 Gross Weight	456 g
E-Number (Sweden)	2160299

Certificates and Declarations

Declaration of	9AKK108469A5446
----------------	-----------------

Conformity - CE

Installation

Instructions and Manuals	2CCR665901B0001
Mounting Position	Any

Popular Downloads

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

External Classifications and Standards

ETIM 9	EC000905 - Earth leakage circuit breaker
ETIM 10	EC000905 - Earth leakage circuit breaker
Object Classification Code	FB
Standards	IEC 61009-1 EN 61009-1 EN 61009-2-1

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CCS500900R0081	HK40011-L	HK40011-L Auxiliary swtich	1	piece
2CCF201112R0001	HK40020-L	HK40020-L Auxiliary swtich	1	piece
2CCF201114R0001	HK40002-L	HK40002-L Auxiliary swtich	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 swtich	1	piece
2CCS500900R0161	ZLS931	ZLS931 Dummy housing	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 → Plug-in Distribution Systems → Residual Current Circuit Breakers with Overcurrent Protection RCBO

