

PRODUCT-DETAILS

FS451MK-C20/0.03

FS451MK-C20/0.03 Residual Current Circuit Breaker with Overcurrent Protection



General Information

Extended Product Type	FS451MK-C20/0.03
Product ID	2CCL462310E1204
EAN	7612271472443
Catalog Description	FS451MK-C20/0.03 Residual Current Circuit Breaker with Overcurrent Protection
Long Description	ABB RCBO short delay SMISSLINE TP 1LN ,C, 20A, 30mA, 10kA

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_r)	240 V
Rated Operational Voltage	240 V AC
Rated Insulation Voltage (U_i)	500 V
Rated Impulse Withstand Voltage (U_{imp})	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 Conditional Short-Circuit Current (I_{nc})	10 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
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 ² 4 - Multi-Wired 0...35 mm ²

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
-------------------------------------	--------

Dimensions

Width in Number of Modular Spacings	2
Product Net Width	36 mm
Product Net Height	87 mm
Product Net Depth / Length	87 mm
Product Net Weight	210 g
Product Net Length	87 mm
Built-In Depth (t_2)	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	62 mm
Package Level 1 Gross Weight	248 g
Package Level 1 EAN	7612271472443

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020
E-Number (Switzerland)	809150132
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	9AKK107680A1666
RoHS Information	2CCC413008D0206_RoHS

Popular Downloads

Data Sheet, Technical Information	2CCC451027C0106 Ind B
Instructions and Manuals	9AKK107680A1666
Dimension Diagram	2CCC451027C0106 Ind B

Classifications

ETIM 6	EC000905 - Earth leakage circuit breaker
ETIM 7	EC000905 - Earth leakage circuit breaker
ETIM 8	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
Object Classification Code	FB

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → SMISSLINE Classic

