

PRODUCT-DETAILS

FS451E-C10/0.03

FS451E-C10/0.03 Residual Current Circuit Breaker with Overcurrent Protection



General Information

Extended Product Type	FS451E-C10/0.03
Product ID	2CCL462111E1104
EAN	7612271472382
Catalog Description	FS451E-C10/0.03 Residual Current Circuit Breaker with Overcurrent Protection
Long Description	ABB RCBO SMISSLINE TP 1LN ,C, 10A, 30mA, 6kA

Technical

Product Name	Residual Current Circuit Breaker with Overcurrent Protection
Tripping Characteristic	C
Type of Residual Current	A Type
Rated Voltage (U_r)	240 V
Rated Operational Voltage	acc. to IEC 60898-1 240 V
Rated Insulation Voltage (U_i)	500 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV
Input Voltage Type	AC
Rated Current (I_n)	10 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity (I_{cn})	6 kA
Rated Conditional Short-	10 kA

Circuit Current (I_{nc})	
Rated Service Short-Circuit Breaking Capacity, in % of I_{cu} (I_{cs})	10 kA
Maximum Surge Current	0.25 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
Overvoltage Category	III
Position of Neutral Terminals	Right
Earthing Switch Type	Undelayed
Release Type	C
Options Provided	Smissline Classic
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
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Dimensions

Width in Number of Modular Spacings	1
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	7612271472382

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020
E-Number (Switzerland)	809148004
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

