

PRODUCT-DETAILS

# S451M-C20

## S451M-C20 Miniature Circuit Breaker



### General Information

Extended Product Type	S451M-C20
Product ID	2CCS471001R0204
EAN	7612270105571
Catalog Description	S451M-C20 Miniature Circuit Breaker
Long Description	S451M-C20 Miniature Circuit Breaker 1 Pole C Characteristic 20A 10000 ~230/400V

### Technical

Standards	IEC/EN 60898-1 IEC/EN 60947-2
Product Name	Miniature Circuit Breaker
Tripping Characteristic	C
Rated Voltage ( $U_r$ )	240 V
Rated Operational Voltage	240 V AC
Rated Insulation Voltage ( $U_i$ )	440 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	4 kV
Input Voltage Type	AC
Rated Current ( $I_n$ )	20 A
Rated Operational Current ( $I_e$ )	20 A
Rated Short-Circuit	(400 V) 10 kA

Capacity ( $I_{cn}$ )	(230 V) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(240 V AC) 25 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(230 V) 25 kA (400 V) 25 kA
Frequency (f)	50 ... 60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	1.6 W
Energy Limiting Class	3
Number of Poles	1
Number of Protected Poles	1
Overvoltage Category	III
Release Type	C
Accessories Available	Yes
Connecting Capacity	Rigid 0 ... 25 mm <sup>2</sup>

## Environmental

Ambient Temperature	-25...55 °C
Ambient Air Temperature	Operation -25...55 °C
Degree of Protection	IP20
Pollution Degree	4
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Environmental Information	2CCC404013D0201

## Dimensions

Width in Number of Modular Spacings	1
Product Net Width	69 mm
Product Net Height	89 mm
Product Net Depth / Length	94.5 mm
Product Net Weight	142 g
Product Net Length	94.5 mm
Size	1 module
Built-In Depth ( $t_2$ )	94.5 mm

## Container Information

Package Level 1 Units	carton 10 piece
Package Level 1 Width	185 mm
Package Level 1 Height	89 mm
Package Level 1 Depth / Length	101 mm
Package Level 1 Gross Weight	1540 g
Package Level 1 EAN	7612270105571

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020
E-Number (Switzerland)	809120802

Country of Origin	Switzerland (CH)
Selling Unit of Measure	piece

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### Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC451034D0201
Environmental Information	2CCC404013D0201
Instructions and Manuals	2CCC404011M0109
RoHS Information	2CCC413008D0206_RoHS

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### Popular Downloads

Data Sheet, Technical Information	2CCC451027C0106 Ind B
Instructions and Manuals	2CCC404011M0109
Dimension Diagram	2CCC451027C0106 Ind B

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### Classifications

ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362020
Object Classification Code	FC

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### Categories

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

