

PRODUCT-DETAILS

# S451M-UCC6

## S451M-UCC6 Miniature Circuit Breaker



### General Information

Extended Product Type	S451M-UCC6
Product ID	2CCS471001R1064
EAN	7612270110483
Catalog Description	S451M-UCC6 Miniature Circuit Breaker
Long Description	Miniature Circuit Breaker ,1P,UCC,6A,10kA,SMISSLINE CLASSIC

### Technical

Standards	IEC/EN 60947-2
Product Name	Miniature Circuit Breaker
Tripping Characteristic	C
Rated Voltage ( $U_r$ )	220 V DC
Rated Operational Voltage	110 V DC 220 V DC 240 V AC
Rated Insulation Voltage ( $U_i$ )	440 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	4 kV
Input Voltage Type	AC/DC
Rated Current ( $I_n$ )	6 A
Rated Short-Circuit Capacity ( $I_{cn}$ )	(400 V) 10 kA (230 V) 10 kA
Rated Ultimate Short-	(240 V AC) 10 kA

Circuit Breaking Capacity ( $I_{cu}$ )	
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	1.87 W
Energy Limiting Class	3
Number of Poles	1
Number of Protected Poles	1
Overvoltage Category	III
Trip Class	UC-C
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	3
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Environmental Information	2CCY000200D0276

## Dimensions

Width in Number of Modular Spacings	1
Product Net Width	18 mm
Product Net Height	87 mm
Product Net Depth / Length	74 mm
Product Net Weight	145 g
Product Net Length	75 mm
Size	1 module
Built-In Depth ( $t_2$ )	92.5 mm

## Container Information

Package Level 1 Units	carton 10 piece
Package Level 1 Width	100 mm
Package Level 1 Height	91 mm
Package Level 1 Depth / Length	185 mm
Package Level 1 Gross Weight	145 g
Package Level 1 EAN	7612270110483

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363000
E-Number (Switzerland)	809516102

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

### Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC451034D0201
Environmental Information	2CCY000200D0276
Instructions and Manuals	2CCC404011M0109
RoHS Information	2CCC413008D0206_RoHS

### Popular Downloads

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

### 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	85363020
Object Classification Code	FC

### Categories

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

