

PRODUCT-DETAILS

# S401M-B8

## S401M-B8 Miniature Circuit Breaker



### General Information

Extended Product Type	S401M-B8
Product ID	2CCS571001R0085
EAN	7612270108411
Catalog Description	S401M-B8 Miniature Circuit Breaker
Long Description	Pluggable Miniature circuit-breaker for the SMISLINE TP System acc. IEC/EN 60898-1 Rated short-circuit capacity I <sub>cn</sub> 10 kA Rated current I <sub>n</sub> 8A Tripping characteristic B Poles 1L Rated voltage U <sub>e</sub> 230 VAC

### Technical

Standards	IEC/EN 60898-1
Product Name	Miniature Circuit Breaker
Tripping Characteristic	B
Rated Voltage (U <sub>r</sub> )	230 V
Rated Operational Voltage	acc. to IEC 60898-1 240 V AC
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 kV
Input Voltage Type	AC
Rated Current (I <sub>n</sub> )	8 A
Rated Operational Current (I <sub>e</sub> )	8 A

Rated Short-Circuit Capacity ( $I_{cn}$ )	(400 V) 10 kA (230 V) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(240 V AC) 10 kA (230 V) 25 kA (400 V) 10 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(400 V) 10 kA (230 V) 25 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(230 V AC) 7.5 kA
Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ )	50 %
Frequency (f)	50 ... 60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	1.9 W
Energy Limiting Class	3
Number of Poles	1
Number of Protected Poles	1
Overvoltage Category	III
Release Type	B
Accessories Available	Yes
Connecting Capacity	Rigid 0.75 ... 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	2CCY451206D0201

## Dimensions

Width in Number of Modular Spacings	1
Product Net Width	18 mm
Product Net Height	91 mm
Product Net Depth / Length	75 mm
Product Net Weight	140 g
Product Net Length	82 mm
Size	1 module
Built-In Depth ( $t_2$ )	75 mm

## Container Information

Package Level 1 Units	carton 10 piece
Package Level 1 Width	100 mm
Package Level 1 Height	125 mm
Package Level 1 Depth / Length	185 mm
Package Level 1 Gross Weight	170 g
Package Level 1 EAN	7612270108411

---

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020
E-Number (Switzerland)	809017807
Country of Origin	Switzerland (CH)
Selling Unit of Measure	piece

---



---

## Certificates and Declarations (Document Number)

Declaration of Conformity - CE	9AKK107991A9634
Environmental Information	2CCY451206D0201
Instructions and Manuals	2CCC451019M0109
RoHS Information	2CCC413008D0206_RoHS

---



---

## Popular Downloads

Data Sheet, Technical Information	9AKK107492A6192
Instructions and Manuals	2CCC451019M0109
Dimension Diagram	9AKK107492A6192

---



---

## Classifications

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

---



---

## Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Plug-in Distribution Systems → Miniature Circuit Breakers  
MCBs

