



## PRODUCT-DETAILS

# S403M-K50NP

## S403M-K50NP Miniature Circuit Breaker

### General Information

Extended Product Type	S403M-K50NP
Product ID	2CCS573103R8577
EAN	7612270104239
Catalog Description	S403M-K50NP Miniature Circuit Breaker
Long Description	Pluggable Miniature circuit-breaker for the SMISLINE TP System acc. IEC/EN 60947-2 Rated ultimate short-circuit capacity Icu 15 kA Rated current In 50A Tripping characteristic K Poles 3L + N with protected neutral Rated voltage Ue 240 VAC / 415 VAC

### Ordering

E-Number (Switzerland)	809284817
EAN	7612270104239
Minimum Order Quantity	1 piece
Customs Tariff Number	85362020

### Dimensions

Product Net Width	72 mm
Product Net Height	91 mm
Product Net Length	82 mm
Product Net Depth / Length	75 mm
Product Net Weight	535 g

### Container Information

Package Level 1 Units	carton 2 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	1128 g
Package Level 1 EAN	7612270104239

### Environmental

Ambient Air  
Temperature

Operation -25...55 °C

RoHS Status

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

**Additional Information**

Ambient Temperature	-25...55 °C
Connecting Capacity	Rigid 0 ... 25 mm <sup>2</sup>
Degree of Protection	IP20
Energy Limiting Class	3
Frequency (f)	50 ... 60 Hz
Input Voltage Type	AC
Number of Poles	4
Number of Protected Poles	4
Object Classification Code	FC
Overvoltage Category	III
Pollution Degree	3
Power Loss	21.2 W
Product Main Type	S400NP
Product Name	Miniature Circuit Breaker
Rated Current (I <sub>n</sub> )	50 A
Rated Frequency (f)	50-60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 kV
Rated Insulation Voltage (U <sub>i</sub> )	440 V
Rated Operational Current (I <sub>e</sub> )	50 A
Rated Operational Voltage	240 / 415 V AC
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(400 V AC) 7.5 kA
Rated Service Short-Circuit Breaking Capacity, in % of I <sub>cu</sub> (I <sub>cs</sub> )	50 %
Rated Short-Circuit Capacity (I <sub>cn</sub> )	(400 V) 10 kA (230 V) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )	(240 / 415 V AC) 15 kA
Rated Voltage (U <sub>r</sub> )	240 / 415 V
Release Type	K
RoHS Date	20170426
Standards	IEC/EN 60947-2
Tripping Characteristic	K

**Certificates and Declarations (Document Number)**

Data Sheet, Technical Information	9AKK107492A6192
Declaration of Conformity - CE	9AKK107991A9634
Environmental Information	2CCY451206D0201
Instructions and Manuals	2CCC451019M0109
RoHS Information	9AKK107991A9634

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**Classifications**

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ETIM 4	EC000042 - Miniature circuit breaker (MCB)
ETIM 5	EC000042 - Miniature circuit breaker (MCB)
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
Object Classification Code	FC
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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**Categories**

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