

## PRODUCT-DETAILS

# S401M-K20

## S401M-K20 Miniature Circuit Breaker



### General Information

|                       |                                                                                                                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | S401M-K20                                                                                                                                                                                                                  |
| Product ID            | 2CCS571001R0487                                                                                                                                                                                                            |
| EAN                   | 7612270101719                                                                                                                                                                                                              |
| Catalog Description   | S401M-K20 Miniature Circuit Breaker                                                                                                                                                                                        |
| Long Description      | Pluggable Miniature circuit-breaker for the SMISSLINE TP System acc. IEC/EN 60947-2<br>Rated ultimate short-circuit capacity Icu 15 kA Rated current In 20A Tripping<br>characteristic K Poles 1L Rated voltage Ue 240 VAC |

### Ordering

|                        |               |
|------------------------|---------------|
| E-Number (Switzerland) | 809220807     |
| EAN                    | 7612270101719 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362020      |

### Dimensions

|                            |       |
|----------------------------|-------|
| Product Net Width          | 18 mm |
| Product Net Height         | 91 mm |
| Product Net Length         | 82 mm |
| Product Net Depth / Length | 75 mm |
| Product Net Weight         | 140 g |

## 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   | 1458 g          |
| Package Level 1 EAN            | 7612270101719   |

## Environmental

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Ambient Air Temperature | Operation -25...55 °C                                           |
| RoHS Status             | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## 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                   |
| Number of Poles                                                                           | 1                              |
| Number of Protected Poles                                                                 | 1                              |
| Overvoltage Category                                                                      | III                            |
| Pollution Degree                                                                          | 3                              |
| Power Loss                                                                                | 2.9 W                          |
| Product Main Type                                                                         | S400                           |
| Product Name                                                                              | Miniature Circuit Breaker      |
| Rated Service Short-Circuit Breaking Capacity, in % of I <sub>cs</sub> (I <sub>cs</sub> ) | 50 %                           |
| Rated Current (I <sub>n</sub> )                                                           | 20 A                           |
| Rated Voltage (U <sub>r</sub> )                                                           | 240 V                          |
| 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> )                                               | 20 A                           |
| Rated Operational Voltage                                                                 | 240 V AC                       |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )                          | (240 V AC) 7.5 kA              |
| Rated Short-Circuit Capacity (I <sub>cn</sub> )                                           | (400 V) 10 kA<br>(230 V) 10 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )                         | (240 V AC) 15 kA               |
| 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    | 2CCC451034D0201      |
| Environmental Information         | 2CCY451206D0201      |
| Instructions and Manuals          | 2CCC451019M0109      |
| RoHS Information                  | 2CCC413008D0206_RoHS |
| Dimension Diagram                 | 9AKK107492A6192      |

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| 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) |

## Categories

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

