

PRODUCT-DETAILS

# S803S-KM32

## S803S-KM32 High Performance MCB



### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | S803S-KM32   |
| Product ID            | 2CCS863001R0536  |
| EAN                   | 7612271202217  |
| Catalog Description   | S803S-KM32 High Performance MCB  |
| Long Description      | S803S-KM32 High Performance Miniature Circuit Breaker 3 Poles KM Characteristic 32A<br>50kA 230AETBC400VAC |

### Technical

|   |   |
|---|---|
| Standards   | IEC/EN 60947-2  |
| Number of Poles   | 3   |
| Number of Protected Poles                                   | 3   |
| Tripping Characteristic                                     | KM  |
| Rated Current ( $I_n$ )                                     | 32 A  |
| Rated Operational Voltage                                   | 400/690 V   |
| Power Loss  | 9.3 W<br>at Rated Operating Conditions per Pole 3.1 W   |
| Rated Insulation Voltage ( $U_i$ )                          | 690 V AC  |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (240 / 415 V AC) 50 kA<br>(254 / 440 V AC) 30 kA<br>(400 / 690 V AC) 6 kA<br>(375 V DC) 30 kA |
| Rated Service Short-  | (240 / 415 V AC) 40 kA  |

|   |   |
|---|---|
| Circuit Breaking Capacity ( $I_{cs}$ )        | (254 / 440 V AC) 22.5 kA<br>(400 / 690 V AC) 4 kA<br>(375 V DC) 30 kA |
| Energy Limiting Class                         | 3   |
| Overvoltage Category                          | III   |
| Pollution Degree                              | 2   |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | 8 kV  |
| Actuator Marking                              | I / O   |
| Contact Position Indication                   | ON / OFF / TRIP   |
| Degree of Protection                          | IP20  |
| Connecting Capacity                           | Rigid 0 ... 50 mm <sup>2</sup><br>Flexible 0 ... 70 mm <sup>2</sup>   |
| Built-In Depth ( $t_2$ )                      | 88.5 mm   |

## Environmental

|                          |  |
|--------------------------|--|
| Ambient Air Temperature  | Operation -25...60 °C  |
| Environmental Conditions | Damp Heat Cyclic acc. to IEC 60068-2-30 333 + 12 cycle<br>Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-96 %<br>Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-100 %<br>Dry Heat Test B acc. to IEC 60068-2-2 16 hours @ 55 °C<br>Dry Heat Test B acc. to IEC 60068-2-2 2 hours @ 70 °C |
| RoHS Status              | Following EU Directive 2011/65/EU  |

## Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 81 mm   |
| Product Net Depth / Length | 82.5 mm |
| Product Net Height         | 95 mm   |
| Product Net Weight         | 735 g   |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 105 mm        |
| Package Level 1 Depth / Length | 86 mm         |
| Package Level 1 Height         | 99 mm         |
| Package Level 1 Gross Weight   | 770 g         |
| Package Level 1 EAN            | 7612271202217 |

## Ordering

|                        |           |
|------------------------|-----------|
| Minimum Order Quantity | 1 piece   |
| Customs Tariff Number  | 85362020  |
| E-Number (Switzerland) | 807922315 |
| E-Number (Finland)     | 3212396   |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CCC413016D0601 |
|--------------------------------|-----------------|

|                           |                                    |
|---------------------------|------------------------------------|
| Environmental Information | 2CCY413207D0203                    |
| Instructions and Manuals  | 2CCC413016M0008                    |
| RoHS Information          | 2CCC413016D0601<br>9AKK107680A3903 |

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CCC413003C0208 |
| Instructions and Manuals          | 2CCC413016M0008 |
| Dimension Diagram                 | 2CCC413003C0201 |

## Classifications

|                            |  |
|----------------------------|--|
| Object Classification Code | F  |
| ETIM 6                     | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7                     | EC000042 - Miniature circuit breaker (MCB) |

## Categories

Low Voltage Products and Systems → Modular DIN Rail Products → High Performance Circuit Breakers HPCBs

