PRODUCT-DETAILS

# S803S-KM80

## S803S-KM80 High Performance MCB



### General Information

| | |
|---|---|
| Extended Product Type | S803S-KM80 |
| Product ID | 2CCS863001R0626 |
| EAN | 7612271202255 |
| Catalog Description | S803S-KM80 High Performance MCB |
| Long Description | S803S-KM80 High Performance Miniature Circuit Breaker 3 Poles KM Characteristic 80A 50kA 230AETBC400VAC |

### Technical

| | |
|---|---|
| Standards | IEC/EN 60947-2 |
| Tripping Characteristic | KM |
| Type of Residual Current | Standard Version |
| Rated Operational Voltage | acc. to IEC 60947-2 690 V AC |
| Rated Insulation Voltage ($U_i$) | acc. to IEC/EN 60664-1 690 V |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 8 kV |

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| | |
|---|---|
| Input Voltage Type | AC/DC |
| Rated Current ($I_n$) | 80 A |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (415 V AC) 50 kA<br>(254 V AC) 30 kA<br>(690 V AC) 6 kA<br>(375 V DC) 30 kA |
| Rated Service Short-Circuit Breaking Capacity ($I_{cs}$) | (375 V DC) 30 kA |
| Frequency (f) | 50 ... 60 Hz |
| Rated Frequency (f) | 50/60 Hz |
| Power Loss | 15 W<br>at Rated Operating Conditions per Pole 5 W |
| Contact Position Indication | ON / OFF / TRIP |
| Energy Limiting Class | 3 |
| Number of Protected Poles | 3 |
| Number of Poles | 3 |
| Overvoltage Category | III |
| Release Type | KM |
| Actuator Marking | I / O |
| Options Provided | Magnetic only protection |
| Accessories Available | Yes |
| Connecting Capacity | Flexible 0 … 50 mm²<br>Rigid 0 … 70 mm² |
| Terminal Type | Screw Terminals |

## Material Compliance

| | |
|---|---|
| RoHS Information | 9AKK107680A3903<br>2CCC005083D0202 |
| RoHS Status | Following EU Directive 2011/65/EU |
| RoHS Date | 20170426 |
| REACH Declaration | 9AKK108469A6125 |
| REACH Information | No data - If REACH inform is not yet available for a certain product |
| REACH Date | 20190320 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

## Environmental

| | |
|---|---|
| Ambient Air Temperature | Operation -25 ... +60 °C<br>Storage -40 ... +70 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 4 |
| Environmental Information | 2CCY413207D0203 |

## Dimensions

| | |
|---|---|
| Width in Number of Modular Spacings | 4.5 |
| Product Net Width | 81 mm |
| Product Net Height | 95 mm |

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| | |
|---|---|
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight | 735 g |
| Size | 3 modules |
| Built-In Depth ($t_2$) | 82.5 mm |
| Dimension Diagram | 2CCC413003C0201 |

## Ordering

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 770 g |

## Certificates and Declarations

| | |
|---|---|
| Declaration of Conformity - CE | 2CCC005083D0202 |
| LR Certificate | 2CCC413017D0201 |
| VDE Certificate | 2CCC413039D0601 |

## Installation

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|---|---|
| Instructions and Manuals | 2CCC413016M0008 |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 9AKK108468A9560<br>9AKK108468A9561<br>9AKK108468A9562 |

## Classifications

| | |
|---|---|
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 9 | EC000042 - Miniature circuit breaker (MCB) |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Business |
| CN8 | 85362020 |
| eClass | V11.0 : 27141901 |
| Object Classification Code | F |

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## Categories

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





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