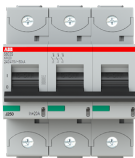




PRODUCT-DETAILS

# S803S-KM20

## S803S-KM20 High Performance MCB



| General Information   |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Extended Product Type | S803S-KM20                                                                                                 |
| Product ID            | 2CCS863001R0486                                                                                            |
| EAN                   | 7612271202194                                                                                              |
| Catalog Description   | S803S-KM20 High Performance MCB                                                                            |
| Long Description      | S803S-KM20 High Performance Miniature Circuit Breaker 3 Poles KM Characteristic<br>20A 50kA 230AETBC400VAC |

| Technical                                           |                              |
|-----------------------------------------------------|------------------------------|
| Standards                                           | IEC/EN 60947-2               |
| Tripping Characteristic                             | KM                           |
| Type of Residual Current                            | Standard Version             |
| Rated Voltage (U <sub>r</sub> )                     | acc. to IEC 60947-2 690 V AC |
| Rated Operational Voltage                           | acc. to IEC 60898-1 400 V    |
| Rated Insulation Voltage (U <sub>i</sub> )          | acc. to IEC/EN 60664-1 690 V |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 8 kV                         |

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|                                                                   |                                                                                                 |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Input Voltage Type                                                | AC/DC                                                                                           |
| Rated Current (I <sub>n</sub> )                                   | 20 A                                                                                            |
| Rated Operational Current (I <sub>e</sub> )                       | 20 A                                                                                            |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (415 V) 50 kA<br>(690 V) 6 kA                                                                   |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )  | (240 / 415 V AC) 40 kA<br>(254 / 440 V AC) 22.5 kA<br>(400 / 690 V AC) 4 kA<br>(375 V DC) 30 kA |
| Frequency (f)                                                     | 50 ... 60 Hz                                                                                    |
| Rated Frequency (f)                                               | 50/60 Hz                                                                                        |
| Power Loss                                                        | 10.5 W<br>at Rated Operating Conditions per Pole 3.5 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 mm <sup>2</sup><br>Rigid 0 ... 70 mm <sup>2</sup>                             |
| Terminal Type                                                     | Screw Terminals                                                                                 |

Material Compliance

|                                             |                                    |
|---------------------------------------------|------------------------------------|
| RoHS Information                            | 9AKK107680A3903<br>2CCC005083D0202 |
| RoHS Status                                 | Following EU Directive 2011/65/EU  |
| RoHS Date                                   | 20170426                           |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                    |

Environmental

|                           |                         |
|---------------------------|-------------------------|
| Ambient Temperature       | -25...60 °C             |
| Ambient Air Temperature   | Operation -25 ... 60 °C |
| Degree of Protection      | IP20                    |
| Pollution Degree          | 2                       |
| Environmental Information | 2CCY413207D0203         |

Dimensions

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

|                                  |                 |
|----------------------------------|-----------------|
| Product Net Height               | 95 mm           |
| Product Net Depth / Length       | 82.5 mm         |
| Product Net Weight               | 735 g           |
| Size                             | 3 modules       |
| Built-In Depth (t <sub>2</sub> ) | 82.5 mm         |
| Dimension Diagram                | 2CCC413003C0201 |

Ordering

|                              |             |
|------------------------------|-------------|
| Package Level 1 Units        | box 1 piece |
| Package Level 1 Gross Weight | 770 g       |
| E-Number (Finland)           | 3212392     |
| E-Number (Switzerland)       | 807920315   |

Certificates and Declarations

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CCC005083D0202 |
|--------------------------------|-----------------|

Installation

|                          |                 |
|--------------------------|-----------------|
| 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

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

