

PRODUCT-DETAILS

# S803U-K20

## S803U-K20 High Performance MCB



### General Information

|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Extended Product Type | S803U-K20                                                                                   |
| Product ID            | 2CCS863017R0487                                                                             |
| EAN                   | 7612271214104                                                                               |
| Catalog Description   | S803U-K20 High Performance MCB                                                              |
| Long Description      | S803U-K20 3 Pole K Characteristic 20A 50kA 240/415VAC High Performance Circuit Breaker HPCB |

### Technical

|                                           |                                                 |
|-------------------------------------------|-------------------------------------------------|
| Standards                                 | IEC/EN 60947-2<br>UL 489                        |
| Number of Poles                           | 3                                               |
| Number of Protected Poles                 | 3                                               |
| Tripping Characteristic                   | K                                               |
| Rated Current ( $I_n$ )                   | 20 A                                            |
| Rated Operational Voltage                 | 240 V AC                                        |
| Rated Voltage ( $U_r$ )                   | 240 / 415 V AC                                  |
| Power Loss                                | 3.5 W<br>at Rated Operating Conditions per Pole |
| Rated Insulation Voltage ( $U_i$ )        | 690 V                                           |
| Rated Short-Circuit Capacity ( $I_{cn}$ ) | (400 V) 40 kA<br>(230 V) 40 kA                  |

|                                                             |                                                                     |
|-------------------------------------------------------------|---------------------------------------------------------------------|
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (415 V AC) 50 kA                                                    |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (415 V AC) 40 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 ( $t_2$ )                                    | 82.5 mm                                                             |

## Environmental

|                         |                                   |
|-------------------------|-----------------------------------|
| Ambient Air Temperature | Operation -25...60 °C             |
| RoHS Status             | Following EU Directive 2011/65/EU |

## Technical UL/CSA

|                                   |                  |
|-----------------------------------|------------------|
| Interrupting Rating acc. to UL489 | (240 V AC) 50 kA |
|-----------------------------------|------------------|

## 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            | 7612271214104 |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85362020 |

## Certificates and Declarations (Document Number)

|                                |                                    |
|--------------------------------|------------------------------------|
| Declaration of Conformity - CE | 2CCC413009D0201                    |
| Environmental Information      | 2CCY413207D0203                    |
| Instructions and Manuals       | 2CCC413015M0403                    |
| RoHS Information               | 2CCC413009D0201<br>9AKK107680A3903 |

Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CCC413003C0208 |
| Instructions and Manuals          | 2CCC413015M0403 |
| Dimension Diagram                 | 2CCC413003C0201 |

Classifications

|                            |                                            |
|----------------------------|--------------------------------------------|
| Object Classification Code | F                                          |
| ETIM 6                     | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7                     | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8                     | EC000042 - Miniature circuit breaker (MCB) |

Categories

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

