

PRODUCT-DETAILS

# S802S-UCB80

## S802S-UCB80 High Performance MCB



### General Information

|                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
| Extended Product Type | S802S-UCB80                                                                                        |
| Product ID            | 2CCS862001R1805                                                                                    |
| EAN                   | 7612271203054                                                                                      |
| Catalog Description   | S802S-UCB80 High Performance MCB                                                                   |
| Long Description      | S802S-UCB80 High Performance Miniature Circuit Breaker 2 Poles B Characteristic 80A<br>50kA 250VDC |

### Technical

|                                                             |                                                        |
|-------------------------------------------------------------|--------------------------------------------------------|
| Standards                                                   | IEC/EN 60947-2                                         |
| Number of Poles                                             | 2                                                      |
| Number of Protected Poles                                   | 2                                                      |
| Tripping Characteristic                                     | UC-B                                                   |
| Rated Current ( $I_n$ )                                     | 80 A                                                   |
| Rated Operational Voltage                                   | 500 V DC                                               |
| Rated Voltage ( $U_r$ )                                     | 230 / 400 V                                            |
| Power Loss                                                  | 12.8 W<br>at Rated Operating Conditions per Pole 6.4 W |
| Rated Insulation Voltage ( $U_i$ )                          | 1500 V DC                                              |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (500 V DC) 50 kA                                       |

|                                                            |                                                                     |
|------------------------------------------------------------|---------------------------------------------------------------------|
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ) | (500 V DC) 50 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                                                                                                                                                                                                                                                                          |
| Environmental Conditions | Damp Heat Cyclic acc. to IEC 60068-2-30 317 + 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          | 54 mm   |
| Product Net Depth / Length | 82.5 mm |
| Product Net Height         | 95 mm   |
| Product Net Weight         | 490 g   |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 105 mm        |
| Package Level 1 Depth / Length | 60 mm         |
| Package Level 1 Height         | 99 mm         |
| Package Level 1 Gross Weight   | 510 g         |
| Package Level 1 EAN            | 7612271203054 |

## Ordering

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

## 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) |
| ETIM 8                     | EC000042 - Miniature circuit breaker (MCB) |

Categories

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

