

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                                               |
| 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                        | (500 V DC) 50 kA                                       |

|                                                        |                                                                     |
|--------------------------------------------------------|---------------------------------------------------------------------|
| Capacity (I <sub>cs</sub> )                            |                                                                     |
| Energy Limiting Class                                  | 3                                                                   |
| Overvoltage Category                                   | III                                                                 |
| Pollution Degree                                       | 2                                                                   |
| Rated Impulse<br>Withstand Voltage (U <sub>imp</sub> ) | 8 kV                                                                |
| Actuator Marking                                       | I / O                                                               |
| Contact Position<br>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 <sub>2</sub> )                       | 82.5 mm                                                             |

## Environmental

|                             |                                                                                                                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient Air<br>Temperature  | Operation -25...60 °C                                                                                                                                                                                                                                                                          |
| Environmental<br>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 /<br>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 /<br>Length | 60 mm         |
| Package Level 1 Height            | 99 mm         |
| Package Level 1 Gross<br>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<br>Conformity - CE | 2CCC413016D0601 |
| Environmental<br>Information      | 2CCY413207D0203 |
| Instructions and<br>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

