

## PRODUCT-DETAILS

# S801S-UCB100

## S801S-UCB100 High Performance MCB



### General Information

|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| Extended Product Type | S801S-UCB100                                                                                        |
| Product ID            | 2CCS861001R1825                                                                                     |
| EAN                   | 7612271202941                                                                                       |
| Catalog Description   | S801S-UCB100 High Performance MCB                                                                   |
| Long Description      | S801S-UCB100 High Performance Miniature Circuit Breaker 1 Pole B Characteristic<br>100A 50kA 250VDC |

### Technical

|                                                             |                                                       |
|-------------------------------------------------------------|-------------------------------------------------------|
| Standards                                                   | IEC/EN 60947-2                                        |
| Number of Poles                                             | 1                                                     |
| Number of Protected Poles                                   | 1                                                     |
| Tripping Characteristic                                     | UC-B                                                  |
| Rated Current ( $I_n$ )                                     | 100 A                                                 |
| Rated Operational Voltage                                   | 250 V DC                                              |
| Rated Voltage ( $U_r$ )                                     | 230 / 400 V                                           |
| Power Loss                                                  | 8.3 W<br>at Rated Operating Conditions per Pole 8.3 W |
| Rated Insulation Voltage ( $U_i$ )                          | 1500 V DC                                             |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (250 V DC) 50 kA                                      |

|                                                            |                                                                     |
|------------------------------------------------------------|---------------------------------------------------------------------|
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ) | (250 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 60068-2-30 282 + 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          | 27 mm   |
| Product Net Depth / Length | 82.5 mm |
| Product Net Height         | 95 mm   |
| Product Net Weight         | 245 g   |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 105 mm        |
| Package Level 1 Depth / Length | 33 mm         |
| Package Level 1 Height         | 99 mm         |
| Package Level 1 Gross Weight   | 270 g         |
| Package Level 1 EAN            | 7612271202941 |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85362020 |
| E-Number (Sweden)      | 2100370  |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CCC413016D0601 |
| Environmental                  | 2CCY413207D0203 |

Information

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

