

## PRODUCT-DETAILS

# SZ201-B40

## Miniature Circuit Breakers MCBs - SZ200 - 1P - B - 40 ampere



### General Information

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| Extended Product Type | SZ201-B40                                                    |
| Product ID            | 2CDS251025R0405                                              |
| EAN                   | 4016779996280                                                |
| Catalog Description   | Miniature Circuit Breakers MCBs - SZ200 - 1P - B - 40 ampere |
| Long Description      | SZ201-B40 Miniature Circuit Breaker B-Char., 6kA, 40A, 1P    |

### Technical

|                                    |                                                             |
|------------------------------------|-------------------------------------------------------------|
| Number of Poles                    | 1                                                           |
| Number of Protected Poles          | 1                                                           |
| Tripping Characteristic            | B                                                           |
| Rated Current ( $I_n$ )            | 40 A                                                        |
| Rated Operational Voltage          | acc. to IEC 60898-1 230 / 400 V AC                          |
| Power Loss                         | at Rated Operating Conditions per Pole 4.8 W                |
| Rated Insulation Voltage ( $U_i$ ) | acc. to IEC/EN 60664-1 440 V<br>Phase to Phase 440 V        |
| Operational Voltage                | Maximum (Incl. Tolerance) 253 / 440 V AC<br>Minimum 12 V AC |
| Rated Frequency (f)                | 50 Hz<br>60 Hz                                              |
| Energy Limiting Class              | 3                                                           |
| Overvoltage Category               | III                                                         |
| Pollution Degree                   | 2                                                           |

|                                       |                                                                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Impulse                         | 4 kV                                                                                                                                                                                                     |
| Withstand Voltage (U <sub>imp</sub> ) | (6.2 kV @ sea level)<br>(5.0 kV @ 2000 m)                                                                                                                                                                |
| Dielectric Test Voltage               | 50/60 Hz, 1 min: 2 kV                                                                                                                                                                                    |
| Housing Material                      | Insulation Group I, RAL 7035                                                                                                                                                                             |
| Actuator Type                         | Toggle                                                                                                                                                                                                   |
| Actuator Material                     | Insulation Group II, Black, Sealable                                                                                                                                                                     |
| Actuator Marking                      | I / O                                                                                                                                                                                                    |
| Contact Position Indication           | ON / OFF                                                                                                                                                                                                 |
| Degree of Protection                  | IP20                                                                                                                                                                                                     |
| Remarks                               | IP40 in enclosure with cover                                                                                                                                                                             |
| Electrical Endurance                  | 10000 AC cycle<br>20000 cycle                                                                                                                                                                            |
| Terminal Type                         | Screw Terminals                                                                                                                                                                                          |
| Screw Terminal Type                   | Failsafe Bi-directional Cylinder-lift Terminal                                                                                                                                                           |
| Connecting Capacity                   | Busbar 10 / 10 mm <sup>2</sup><br>Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup><br>Flexible 0.75 ... 25 mm <sup>2</sup><br>Rigid 0.75 ... 35 mm <sup>2</sup><br>Stranded 0.75 ... 35 mm <sup>2</sup> |
| Tightening Torque                     | 2.8 N·m                                                                                                                                                                                                  |
| Recommended Screw Driver              | Pozidriv 2                                                                                                                                                                                               |
| Mounting on DIN Rail                  | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715<br>TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715                                                                                           |
| Mounting Position                     | Any                                                                                                                                                                                                      |
| Built-In Depth (t <sub>2</sub> )      | 69 mm                                                                                                                                                                                                    |
| Installation Size                     | acc. to DIN 43880 1                                                                                                                                                                                      |
| Power Supply Connection               | Arbitrary                                                                                                                                                                                                |
| Suitable for Isolation                | Yes                                                                                                                                                                                                      |

## Environmental

|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| Ambient Air Temperature                        | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C        |
| Reference Ambient Air Temperature              | 30 °C                                                     |
| Resistance to Shock acc. to IEC 60068-2-27     | 25g / 2 shocks / 13 ms                                    |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In      |
| Environmental Conditions                       | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 % |
| RoHS Status                                    | Following EU Directive 2011/65/EU                         |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 17.5 mm  |
| Product Net Depth / Length | 69 mm    |
| Product Net Height         | 85 mm    |
| Product Net Weight         | 0.115 kg |

## Container Information

|                       |                 |
|-----------------------|-----------------|
| Package Level 1 Units | carton 10 piece |
| Package Level 1 Width | 92 mm           |

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Depth / Length | 183 mm        |
| Package Level 1 Height         | 80 mm         |
| Package Level 1 Gross Weight   | 1.2 kg        |
| Package Level 1 EAN            | 4016779996624 |
| Package Level 2 Units          | 120 piece     |
| Package Level 2 Width          | 275 mm        |
| Package Level 2 Depth / Length | 395 mm        |
| Package Level 2 Height         | 210 mm        |
| Package Level 2 Gross Weight   | 14.8 kg       |
| Package Level 2 EAN            | 4016779996822 |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85362010 |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 9AKK107492A7641 |
| Instructions and Manuals       | 2CDS207104P0001 |
| RoHS Information               | 9AKK107492A7656 |

## Popular Downloads

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 2CDS207104P0001 |
|--------------------------|-----------------|

## Classifications

|        |                                            |
|--------|--------------------------------------------|
| ETIM 6 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
| eClass | V11.0 : 27141901                           |
| UNSPSC | 39121614                                   |

## Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs

