



PRODUCT-DETAILS

# S202CM-B10

## S202CM-B10 Miniature circuit breaker - 2P - B - 10 A



| General Information   |                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | S202CM-B10                                                                                                                               |
| Product ID            | 2CDS272280R0105                                                                                                                          |
| EAN                   | 4053546039511                                                                                                                            |
| Catalog Description   | S202CM-B10 Miniature circuit breaker - 2P - B - 10 A                                                                                     |
| Long Description      | The S202C series miniature circuit breaker is a 2P device in 1 module for the protection of circuits against overload and short circuit. |

| ABB EcoSolutions |     |
|------------------|-----|
| ABB EcoSolutions | Yes |

| Circular Value             |                                                             |
|----------------------------|-------------------------------------------------------------|
| Circular Design Principles | Design for Closing Resource Loops - Standard EN45555 - 84 % |
| Recyclability Rate         |                                                             |
| End of Life Instructions   | 9AKK108468A3913                                             |

|                                                                   |                                                                                                                |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Eco Transparency                                                  |                                                                                                                |
| Environmental Product Declaration - EPD                           | 9AKK108467A5789                                                                                                |
| Technical                                                         |                                                                                                                |
| Standards                                                         | IEC/EN 60898-1                                                                                                 |
| Tripping Characteristic                                           | B                                                                                                              |
| Rated Operational Voltage                                         | acc. to IEC 60898-1 240 V                                                                                      |
| Operational Voltage                                               | Maximum (Incl. Tolerance) 264 V AC<br>Maximum 264 V AC<br>Minimum 12 V AC                                      |
| Rated Insulation Voltage (U <sub>i</sub> )                        | acc. to IEC/EN 60664-1 500 V                                                                                   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )               | 4 kV                                                                                                           |
| Dielectric Test Voltage                                           | 50/60 Hz, 1 min: 2.5 kV                                                                                        |
| Input Voltage Type                                                | AC                                                                                                             |
| Rated Current (I <sub>n</sub> )                                   | 10 A                                                                                                           |
| Rated Short-Circuit Capacity                                      | (230 V) 10 kA                                                                                                  |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (230 V) 10 kA                                                                                                  |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> )        | (230 V) 10 kA                                                                                                  |
| Rated Frequency (f)                                               | 50/60 Hz                                                                                                       |
| Power Loss                                                        | 3.3 W                                                                                                          |
| Power Supply Connection                                           | Arbitrary                                                                                                      |
| Energy Limiting Class                                             | 3                                                                                                              |
| Electrical Endurance                                              | 10000 cycle                                                                                                    |
| Mechanical Endurance                                              | 20000 cycle                                                                                                    |
| Number of Protected Poles                                         | 2                                                                                                              |
| Number of Poles                                                   | 2                                                                                                              |
| Overvoltage Category                                              | III                                                                                                            |
| Tightening Torque                                                 | 3 N·m                                                                                                          |
| Actuator Marking                                                  | I / O                                                                                                          |
| Housing Material                                                  | Insulation Group I, RAL 7035                                                                                   |
| Options Provided                                                  | G2C accessories                                                                                                |
| Mounting on DIN Rail                                              | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 |
| Mounting Position                                                 | Any                                                                                                            |
| Accessories Available                                             | Yes                                                                                                            |
| Connecting Capacity                                               | Flexible 1 ... 10 mm²<br>Rigid 1 ... 16 mm²                                                                    |
| Installation Size                                                 | acc. to DIN 43880 1                                                                                            |
| Terminal Type                                                     | Screw Terminals                                                                                                |
| Material Compliance                                               |                                                                                                                |
| RoHS Information                                                  | 9AKK107492A9802                                                                                                |
| RoHS Status                                                       | Following EU Directive 2011/65/EU                                                                              |
| RoHS Date                                                         | 20191001                                                                                                       |
| Conflict Minerals Reporting Template (CMRT)                       | 9AKK108468A3363                                                                                                |

|                                               |                                                             |
|-----------------------------------------------|-------------------------------------------------------------|
| Environmental                                 |                                                             |
| Ambient Air Temperature                       | Operation -25 ... 55 °C                                     |
| Reference Ambient Air Temperature             | 30 °C                                                       |
| Degree of Protection                          | IP20                                                        |
| Pollution Degree                              | 2                                                           |
| Environmental Conditions                      | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 %   |
| Resistance to Vibrations                      | 20 Cycles with Load 0.8 In: 5g or 0.35mm 5 ... 150 ... 5 Hz |
| Resistance to Shock acc.<br>to IEC 60068-2-27 | 40g / 18 shocks / 5 ms                                      |

|                                     |         |
|-------------------------------------|---------|
| Dimensions                          |         |
| Width in Number of Modular Spacings | 1       |
| Product Net Width                   | 18 mm   |
| Product Net Height                  | 86 mm   |
| Product Net Depth / Length          | 70 mm   |
| Product Net Weight                  | 0.16 kg |
| Built-In Depth (t <sub>2</sub> )    | 70 mm   |

|                              |                 |
|------------------------------|-----------------|
| Ordering                     |                 |
| Package Level 1 Units        | carton 12 piece |
| Package Level 1 Gross Weight | 1.97 kg         |

|                                |                 |
|--------------------------------|-----------------|
| Certificates and Declarations  |                 |
| Certification Agency           | EN IEC          |
| Declaration of Conformity - CE | 9AKK107492A9802 |

|                          |                    |
|--------------------------|--------------------|
| Installation             |                    |
| Instructions and Manuals | No document needed |

|                                   |                 |
|-----------------------------------|-----------------|
| Popular Downloads                 |                 |
| Data Sheet, Technical Information | 9AKK107492A9936 |

|                 |                                                            |
|-----------------|------------------------------------------------------------|
| Classifications |                                                            |
| ETIM 8          | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 9          | EC000042 - Miniature circuit breaker (MCB)                 |
| WEEE Category   | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B  | Business To Consumer                                       |
| CN8             | 8536 20 10                                                 |
| UNSPSC          | 39121614                                                   |
| eClass          | V7.0 : 27141901                                            |

Object Classification Code F

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Categories

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

