



PRODUCT-DETAILS

SN201 M-B40

SN201 M-B40 Miniature circuit breaker - 1+NP  
- B - 40 A



| General Information   |                                                                                                                                                                    |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | SN201 M-B40                                                                                                                                                        |
| Product ID            | 2CSS275101R0405                                                                                                                                                    |
| EAN                   | 8012542093756                                                                                                                                                      |
| Catalog Description   | SN201 M-B40 Miniature circuit breaker - 1+NP - B - 40 A                                                                                                            |
| Long Description      | The SN201 series miniature circuit breaker is a 1P+N device in 1 module for the protection of circuits against overload and short circuit. Neutral is on the right |

| Technical                                           |                              |
|-----------------------------------------------------|------------------------------|
| Standards                                           | IEC/EN 60898-1               |
| Tripping Characteristic                             | B                            |
| Rated Voltage (U <sub>r</sub> )                     | 230 V AC                     |
| Rated Operational Voltage                           | acc. to IEC 60898-1 230 V    |
| 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                                           | 2 kV                                                                                          |
| Primary Rated Impulse Withstand Voltage                           | 4 kV                                                                                          |
| Input Voltage Type                                                | AC                                                                                            |
| Rated Current (I <sub>n</sub> )                                   | 40 A                                                                                          |
| Rated Short-Circuit Capacity                                      | (230 V) 10 kA                                                                                 |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (230 V) 10 kA                                                                                 |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )  | (230 V AC) 7.5 kA                                                                             |
| Rated Frequency (f)                                               | 50/60 Hz                                                                                      |
| Power Loss                                                        | 7.5 W                                                                                         |
| Power Supply Connection                                           | Arbitrary                                                                                     |
| Contact Position Indication                                       | Red ON / Green OFF                                                                            |
| Energy Limiting Class                                             | 3                                                                                             |
| Electrical Endurance                                              | 10000 cycle                                                                                   |
| Mechanical Endurance                                              | 20000 cycle                                                                                   |
| Number of Protected Poles                                         | 1                                                                                             |
| Number of Poles                                                   | 1+N                                                                                           |
| Number of Modular Spacings per DIN Rail                           | 1                                                                                             |
| Overvoltage Category                                              | III                                                                                           |
| Position of Neutral Terminals                                     | Right                                                                                         |
| Tightening Torque                                                 | 1.2 N·m                                                                                       |
| Accessory Type                                                    | Auxiliary contact<br>Signal contact / auxiliary contact<br>Shunt trip<br>Undervoltage release |
| Actuator Type                                                     | Toggle - Insulation group IIIA, black, sealable in ON-OFF positions                           |
| Housing Type                                                      | Insulation group II, RAL 7035                                                                 |
| Screw Terminal Type                                               | Cage Terminal                                                                                 |
| Mounting Position                                                 | Any                                                                                           |
| Accessories Available                                             | Yes                                                                                           |
| Connecting Capacity                                               | Flexible 1 ... 10 mm <sup>2</sup><br>Rigid 1 ... 16 mm <sup>2</sup>                           |
| Wire Stripping Length                                             | 11 mm                                                                                         |
| Terminal Type                                                     | Screw Terminals                                                                               |

Material Compliance

|                                             |                                   |
|---------------------------------------------|-----------------------------------|
| RoHS Information                            | 9AKK106713A5572                   |
| RoHS Status                                 | Following EU Directive 2011/65/EU |
| RoHS Date                                   | 20190722                          |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                   |

Environmental

|                     |             |
|---------------------|-------------|
| Ambient Temperature | -25...55 °C |
|---------------------|-------------|

|                                            |                                                             |
|--------------------------------------------|-------------------------------------------------------------|
| 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. to IEC 60068-2-27 | 30g 2 shocks 13 ms                                          |
| Environmental Information                  | refer to RoHS information                                   |

Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 1        |
| Product Net Width                   | 0.018 m  |
| Product Net Height                  | 0.085 m  |
| Product Net Depth / Length          | 0.069 m  |
| Product Net Weight                  | 0.110 kg |
| Built-In Depth (t <sub>2</sub> )    | 69 mm    |

Ordering

|                              |             |
|------------------------------|-------------|
| Package Level 1 Units        | box 6 piece |
| Package Level 1 Gross Weight | 0.684 kg    |

Certificates and Declarations

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 9AKK106713A5572 |
|--------------------------------|-----------------|

Installation

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

Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CSC400002D0209 |
|-----------------------------------|-----------------|

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                        | 85362010         |
| eClass                     | V11.0 : 27141901 |
| Object Classification Code | F                |

Accessories

| Identifier      | Description                                      | Type          | Quantity | Unit Of Measure |
|-----------------|--------------------------------------------------|---------------|----------|-----------------|
| 2CSS200924R0001 | SN201-S Signal Contact                           | SN201-S       | 1        | piece           |
| 2CSS200923R0001 | SN201-IH Interface module with auxiliary contact | SN201-IH      | 1        | piece           |
| 2CDS200922R0001 | S2C-S/H6R Signal / Auxiliary Contact             | S2C-S/H6R     | 1        | piece           |
| 2CDS200912R0001 | S2C-H6R Auxiliary Contact                        | S2C-H6R       | 1        | piece           |
| 2CSS200933R0011 | F2C-A1 Shunt trip                                | F2C-A1        | 1        | piece           |
| 2CSS200933R0012 | F2C-A2 Shunt trip                                | F2C-A2        | 1        | piece           |
| 2CSS200911R0001 | S2C-UA 12 DC Undervoltage Release                | S2C-UA 12 DC  | 1        | piece           |
| 2CSS200911R0002 | S2C-UA 24 AC Undervoltage Release                | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0003 | S2C-UA 48 AC Undervoltage Release                | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200911R0004 | S2C-UA 110 AC Undervoltage Release               | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0005 | S2C-UA 230 AC Undervoltage Release               | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0006 | S2C-UA 400 AC Undervoltage Release               | S2C-UA 400 AC | 1        | piece           |
| 2CSS200911R0007 | S2C-UA 24 DC Undervoltage Release                | S2C-UA 24 DC  | 1        | piece           |
| 2CSS200911R0008 | S2C-UA 48 DC Undervoltage Release                | S2C-UA 48 DC  | 1        | piece           |
| 2CSS200911R0009 | S2C-UA 110 DC Undervoltage Release               | S2C-UA 110 DC | 1        | piece           |
| 2CSS200911R0010 | S2C-UA 230 DC Undervoltage Release               | S2C-UA 230 DC | 1        | piece           |

Categories

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

