

## PRODUCT-DETAILS

# MCB-01

## MCB-01 Contact Block

### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | MCB-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product ID            | 1SFA611610R1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| EAN                   | 7320500544341                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Catalog Description   | MCB-01 Contact Block                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Long Description      | <p>The MCB-01 Contact Block is: - Non-illuminated - Single contact block - Front mounting - silver (Ag) - 0 NO - 1NC - 690 V</p> <p>This Contact Block is part of ABB's modular plastic range, the most versatile range with a high level of flexibility and market-leading electrical ratings. Engineered for total reliability, longer lifetime, and highest mechanical durability. Self-cleaning contacts ensure reliable operation without the need for maintenance, increasing uptime. A high degree of protection guarantees reliability in extreme environments. The innovative design simplifies the entire process, from selection to easy and quick, tool-free installation. The perfect solution for every application.</p> |

### Ordering

|                        |            |
|------------------------|------------|
| Minimum Order Quantity | 10 piece   |
| Customs Tariff Number  | 8536901000 |

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SFC151007C02__ |
| Instructions and                  | 1SFC151011M0201 |

## Manuals

**Dimensions**

|                            |         |
|----------------------------|---------|
| Product Net Width          | 0.01 m  |
| Product Net Height         | 0.044 m |
| Product Net Depth / Length | 0.028 m |
| Product Net Weight         | 0.04 kg |

**Technical**

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient Air Temperature                             | Operation -25 ... +70 °C<br>Storage -40 ... +85 °C                                                                                                                                                                                                                                                                                                                                                                         |
| Illumination                                        | Non-illuminated                                                                                                                                                                                                                                                                                                                                                                                                            |
| Function                                            | Without holder                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mounting Type                                       | Front mounting                                                                                                                                                                                                                                                                                                                                                                                                             |
| Number of Auxiliary Contacts NC                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Number of Auxiliary Contacts NO                     | 0                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Degree of Protection                                | Terminals IP20                                                                                                                                                                                                                                                                                                                                                                                                             |
| Pollution Degree                                    | 3                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Rated Insulation Voltage (U <sub>i</sub> )          | 690 V                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 6 kV                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Rated Frequency (f)                                 | 50 / 60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Rated Operational Voltage                           | Maximum 690 V                                                                                                                                                                                                                                                                                                                                                                                                              |
| Rated Operational Current DC-13 (I <sub>e</sub> )   | (24 V) 5 A<br>(125 V) 0.55 A                                                                                                                                                                                                                                                                                                                                                                                               |
| Rated Operational Current AC-15 (I <sub>e</sub> )   | (230 V AC) 6 A                                                                                                                                                                                                                                                                                                                                                                                                             |
| Power Loss                                          | Maximum 2.5 W                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mechanical Durability                               | 10 million                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Connecting Capacity                                 | Flexible with Ferrule 1 x 0.75...2.5 mm <sup>2</sup><br>Flexible with Ferrule 2 x 0.75...2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1 x 0.75...2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2 x 0.75...2.5 mm <sup>2</sup><br>Flexible 1 x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible 2 x 0.75 ... 2.5 mm <sup>2</sup><br>Solid 1 x 0.75...2.5 mm <sup>2</sup><br>Solid 2 x 0.75...2.5 mm <sup>2</sup> |
| Connection Type                                     | Screw Clamp                                                                                                                                                                                                                                                                                                                                                                                                                |
| Terminal Type                                       | Screw Terminals                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tightening Torque                                   | 0.9 N·m                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Wire Stripping Length                               | 8 mm                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Suitable For                                        | MP1<br>MP2<br>MP3<br>MP4<br>MPD1<br>MPD2<br>MPD3<br>MPD4<br>MPD5<br>MPD11<br>MPD12<br>MPD13<br>MPD14                                                                                                                                                                                                                                                                                                                       |

MPD15  
MPD16  
MPM1  
MPM2  
KP6  
MPET3  
MPEP3  
MPEK3  
MPET4  
MPEP4  
MPEK4  
MPMT3  
MPMT4  
MPMP3  
MPMP4  
M2SS1  
M2SS2  
M2SS3  
M2SS4  
M2SS5  
M2SS6  
M3SS1  
M3SS2  
M3SS3  
M3SS4  
M3SS5  
M3SS6  
M3SS7  
M3SS8  
M3SSC1  
M3SSC2  
M3SSC3  
M3SSC4  
M3SSC5  
M3SSC6  
M3SSC7  
M3SSC8  
M2SSK1  
M2SSK2  
M2SSK3  
M3SSK1  
M3SSK2  
M3SSK3  
MTS1  
MTS2  
MTS3  
MJS1  
MJS2  
MJS5  
MJS6  
MJS7  
MJS8  
MJS11  
MJS12

|                            |               |
|----------------------------|---------------|
| Suitable for Product Class | Pilot Devices |
|----------------------------|---------------|

| Technical UL/CSA    |                |
|---------------------|----------------|
| Connecting Capacity | 1x 18...14 AWG |
| UL/CSA              | 2x 18...14 AWG |

| Environmental    |                                                                        |
|------------------|------------------------------------------------------------------------|
| RoHS Status      | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date        | 0635 4                                                                 |
| RoHS Information | 2CMT2015-005452                                                        |
| WEEE Category    | 5. Small Equipment (No External Dimension More Than 50 cm)             |

## Certificates and Declarations (Document Number)

|                                    |                     |
|------------------------------------|---------------------|
| CB Certificate                     | SEMKO_SE30016M2     |
| CQC Certificate                    | CQC2005010304154103 |
| cULus Certificate                  | UL-E76003-20140513  |
| Declaration of<br>Conformity - CCC | 2020980305001528    |
| Declaration of<br>Conformity - CE  | 2CMT2015-005452     |
| DNV GL Certificate                 | E-14107             |
| Environmental<br>Information       | 1SAC200074H0001     |
| Instructions and<br>Manuals        | 1SFC151011M0201     |
| REACH Declaration                  | 2CMT2022-006479     |
| RoHS Information                   | 2CMT2015-005452     |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | bag 10 piece  |
| Package Level 1 Width             | 0.11 m        |
| Package Level 1 Depth /<br>Length | 0.15 m        |
| Package Level 1 Height            | 0.01 m        |
| Package Level 1 Gross<br>Weight   | 0.4 kg        |
| Package Level 1 EAN               | 7320500307762 |

## Classifications

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Object Classification<br>Code         | S                                  |
| ETIM 6                                | EC000041 - Auxiliary contact block |
| ETIM 7                                | EC000041 - Auxiliary contact block |
| ETIM 8                                | EC000041 - Auxiliary contact block |
| eClass                                | V11.0 : 27371302                   |
| UNSPSC                                | 39122221                           |
| IDEA Granular Category<br>Code (IGCC) | 5219 >> Switch part or accessory   |
| E-Number (Finland)                    | 2315704                            |
| E-Number (Norway)                     | 4373186                            |
| E-Number (Sweden)                     | 3714006                            |

## Categories

Low Voltage Products and Systems → Control Products → Pilot Devices → Modular Plastic Range  
Robotics → Service → Spares and Consumables