

PRODUCT-DETAILS

# MCB-20

## MCB-20 Contact Block




---

### General Information

|                       |                      |
|-----------------------|----------------------|
| Extended Product Type | MCB-20               |
| Product ID            | 1SFA611610R1002      |
| EAN                   | 7320500544334        |
| Catalog Description   | MCB-20 Contact Block |

#### Long Description

The MCB-20 Contact Block is: With 3-position holder - Non-illuminated - Double contact block - Front mounting - silver (Ag) - 2 NO - 0NC - 690 V

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.

---

### Ordering

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

---

### Popular Downloads

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

---

### Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 0.02 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                     | 0  |
| Number of Auxiliary Contacts NO                     | 2  |
| 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>θ</sub> )   | (24 V) 5 A<br>(125 V) 0.55 A   |
| Rated Operational Current AC-15 (I <sub>θ</sub> )   | (230 V AC) 6 A   |
| Power Loss  | Maximum 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<br>MPD15<br>MPD16<br>MPM1<br>MPM2<br>KP6<br>MPET3<br>MPEP3<br>MPEK3<br>MPET4<br>MPEP4<br>MPEK4<br>MPMT3<br>MPMT4<br>MPMP3<br>MPMP4<br>M2SS1<br>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)             |
| WEEE B2C / B2B   | Business To Business   |

### Certificates and Declarations (Document Number)

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

### Container Information

|                       |              |
|-----------------------|--------------|
| Package Level 1 Units | bag 10 piece |
| Package Level 1 Width | 0.11 m       |

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Depth / Length | 0.15 m        |
| Package Level 1 Height         | 0.02 m        |
| Package Level 1 Gross Weight   | 0.4 kg        |
| Package Level 1 EAN            | 7320500307755 |

### Classifications

|                            |                                    |
|----------------------------|------------------------------------|
| Object Classification 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                     | 39121500                           |
| E-Number (Finland)         | 2339082                            |
| E-Number (Norway)          | 4372990                            |
| E-Number (Sweden)          | 3714015                            |

### Categories

Low Voltage Products and Systems → Control Products → Pilot Devices → Modular Plastic Range

