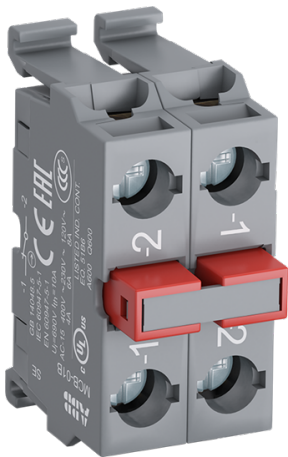




PRODUCT-DETAILS

# MCB-02B

## MCB-02B Contact Block



General Information

|                       |                       |
|-----------------------|-----------------------|
| Extended Product Type | MCB-02B               |
| Product ID            | 1SFA611610R2020       |
| EAN                   | 7320500544464         |
| Catalog Description   | MCB-02B Contact Block |

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Long Description | <p>The MCB-02B Contact Block is: With 3-position holder - Non-illuminated - Double contact block - Rear mounting - silver (Ag) - 2 NO - 2NC - 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 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                                       | Rear mounting                                                                                                                                                                                                                                                                                                              |
| Number of Auxiliary Contacts NC                     | 2                                                                                                                                                                                                                                                                                                                          |
| Number of Auxiliary Contacts NO                     | 2                                                                                                                                                                                                                                                                                                                          |
| 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 mm²<br>Flexible with Ferrule 2 x 0.75...2.5 mm²<br>Flexible with Insulated Ferrule 1 x 0.75...2.5 mm²<br>Flexible with Insulated Ferrule 2 x 0.75...2.5 mm²<br>Flexible 1 x 0.75 ... 2.5 mm²<br>Flexible 2 x 0.75 ... 2.5 mm²<br>Solid 1 x 0.75...2.5 mm²<br>Solid 2 x 0.75...2.5 mm² |
| 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                                                                                                                                                                                     |

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

Degree of Protection Terminals IP20

Material Compliance

Conflict Minerals 9AKK108467A5658  
Reporting Template (CMRT)  
REACH Declaration 2CMT2022-006479  
RoHS Information 2CMT2022-006498  
RoHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019  
Toxic Substances Control 2CMT2023-006523

|                |                                                            |
|----------------|------------------------------------------------------------|
| Act - TSCA     |                                                            |
| WEEE B2C / B2B | Business To Business                                       |
| WEEE Category  | 5. Small Equipment (No External Dimension More Than 50 cm) |

Certificates and Declarations

|                                     |                     |
|-------------------------------------|---------------------|
| CB Certificate                      | SEMKO_SE30016M2     |
| CQC Certificate                     | CQC2005010304154103 |
| cULus Certificate                   | UL-E76003-20140513  |
| Declaration of Conformity<br>- CCC  | 2020980305001528    |
| Declaration of Conformity<br>- CE   | 2CMT2015-005452     |
| Declaration of Conformity<br>- UKCA | 2CMT2020-006121     |
| DNV GL Certificate                  | E-14107             |

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            | 0.02 m        |
| Package Level 1 Gross<br>Weight   | 0.4 kg        |
| Package Level 1 EAN               | 7320500307854 |

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                                | 39122221                           |
| IDEA Granular Category<br>Code (IGCC) | 5219 >> Switch part or accessory   |
| E-Number (Finland)                    | 2339562                            |
| E-Number (Norway)                     | 4372994                            |
| E-Number (Sweden)                     | 3717131                            |

Categories

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

