

# Socket NECB-M12G5-C2

Part number: 8162291

FESTO



 General operating condition

## Data sheet

| Feature                                               | Value                                                                                                                                                                               |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conforms to standard                                  | EN 61076-2-101                                                                                                                                                                      |
| Certification                                         | c UL us - Listed (OL)                                                                                                                                                               |
| Certificate issuing authority                         | UL E474609                                                                                                                                                                          |
| Contact durability                                    | 100                                                                                                                                                                                 |
| Cable outlet                                          | Straight                                                                                                                                                                            |
| Product weight                                        | 26 g                                                                                                                                                                                |
| Application note                                      | Only energy-limited circuits with a maximum current of 4 A at a max. open circuit voltage of 30 VDC are permitted to be used for supplying electrically actuated valves from Festo. |
| Electrical connection 1, function                     | Field device end                                                                                                                                                                    |
| Electrical connection 1, design                       | Round                                                                                                                                                                               |
| Electrical connection 1, connection type              | Socket                                                                                                                                                                              |
| Electrical connection 1, connection technology        | M12x1 A-coded as per EN 61076-2-101                                                                                                                                                 |
| Electrical connection 1, number of pins/wires         | 5                                                                                                                                                                                   |
| Electrical connection 1, occupied pins/wires          | 5                                                                                                                                                                                   |
| Electrical connection 1, type of mounting             | Screw-type lock with hexagon AF 18 and longitudinal knurl rotatable                                                                                                                 |
| Electrical connection 1, type of mounting             | Compatible with rotatable/non-rotatable screw lock                                                                                                                                  |
| Electrical connection for input 1, connection pattern | 00995384                                                                                                                                                                            |
| Electrical connection 2, function                     | Control side                                                                                                                                                                        |
| Electrical connection 2, connection type              | Cable                                                                                                                                                                               |
| Electrical connection 2, connection technology        | Screw terminal                                                                                                                                                                      |
| Electrical connection 2, number of pins/wires         | 5                                                                                                                                                                                   |
| Electrical connection 2, occupied pins/wires          | 5                                                                                                                                                                                   |
| DC operating voltage range                            | 0 V ... 60 V                                                                                                                                                                        |
| Operating voltage range AC                            | 0 V ... 48 V                                                                                                                                                                        |
| Current rating at 40° C                               | 4 A                                                                                                                                                                                 |
| Surge resistance                                      | 1.5 kV                                                                                                                                                                              |
| Protective earth connection                           | Not available                                                                                                                                                                       |
| Cable fitting                                         | Pg9                                                                                                                                                                                 |
| Cable diameter                                        | 3.8 mm ... 9 mm                                                                                                                                                                     |
| Connection cross section                              | 0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>                                                                                                                                       |
| Information on port cross section                     | 0.1 mm <sup>2</sup> with wire end sleeve                                                                                                                                            |
| Degree of protection                                  | IP65<br>IP67                                                                                                                                                                        |
| Note on degree of protection                          | In mounted state                                                                                                                                                                    |
| Ambient temperature                                   | -25 °C ... 90 °C                                                                                                                                                                    |

| Feature                          | Value                                |
|----------------------------------|--------------------------------------|
| Note on ambient temperature      | Note derating                        |
| LABS (PWIS) conformity           | VDMA24364-B2-L                       |
| Note on materials                | RoHS-compliant                       |
| Contamination level              | 3                                    |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress             |
| Housing material                 | PA66-GF30                            |
| Housing colour                   | Black                                |
| Material of screw-type lock      | Die-cast zinc, nickel-plated         |
| Material of screws               | Steel, nickel-plated                 |
| Seals material                   | FPM                                  |
| Material of pin contacts         | Brass, nickel-plated and gold-plated |