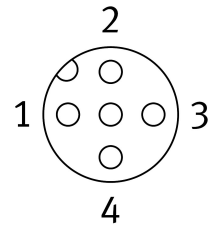


# Socket NECB-M12W4-C2

Part number: 8162292

**FESTO**



## 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                                   | Angled                                                                                                                                                                              |
| Product weight                                 | 25 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   | 4                                                                                                                                                                                   |
| Electrical connection 1, type of mounting      | Screw-type lock with hexagon AF 18 and longitudinal knurl<br>rotatable<br>Compatible with rotatable/non-rotatable screw-type lock                                                   |
| 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  | 4                                                                                                                                                                                   |
| Electrical connection 2, occupied pins/wires   | 4                                                                                                                                                                                   |
| 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 mm²...0.75 mm²                                                                                                                                                                 |

| Feature                           | Value                                    |
|-----------------------------------|------------------------------------------|
| 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                           |
| 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     |