

# Plug socket with cable NEBU-M12W8-K-5-N-LE8

Part number: 542257

FESTO



 General operating condition

## Data sheet

| Feature                                               | Value                                              |
|-------------------------------------------------------|----------------------------------------------------|
| Conforms to standard                                  | EN 61076-2-101                                     |
| Cable designation                                     | Without label holder                               |
| Product weight                                        | 292 g                                              |
| Electrical connection 1, function                     | Field device end                                   |
| Electrical connection 1, design                       | Round                                              |
| Electrical connection 1, connection type              | Socket                                             |
| Electrical connection 1, cable outlet                 | Angled                                             |
| Electrical connection 1, connection technology        | M12x1 A-coded as per EN 61076-2-101                |
| Electrical connection 1, number of pins/wires         | 8                                                  |
| Electrical connection 1, occupied pins/wires          | 8                                                  |
| Electrical connection 1, type of mounting             | Screw-type lock<br>rotatable                       |
| Electrical connection 1, type of mounting             | Compatible with rotatable/non-rotatable screw lock |
| Electrical connection for input 1, connection pattern | 00992265                                           |
| Electrical connection 2, function                     | Control side                                       |
| Electrical connection 2, connection type              | Cable                                              |
| Electrical connection 2, connection technology        | Open end                                           |
| Electrical connection 2, number of pins/wires         | 8                                                  |
| Electrical connection 2, occupied pins/wires          | 8                                                  |
| DC operating voltage range                            | 0 V ... 30 V                                       |
| Operating voltage range AC                            | 0 V ... 30 V                                       |
| Current rating at 40° C                               | 2 A                                                |
| Surge resistance                                      | 0.8 kV                                             |
| Shield                                                | yes                                                |
| Cable length                                          | 5 m                                                |
| Cable characteristic                                  | Standard                                           |
| Bending radius, fixed cable installation              | ≥32 mm                                             |
| Bending radius, flexible cable installation           | ≥66 mm                                             |
| Cable diameter                                        | 6.3 mm                                             |
| Cable diameter tolerance                              | ± 0.2 mm                                           |
| Cable design                                          | 8 x 0.25 mm <sup>2</sup>                           |
| Nominal conductor cross section                       | 0.25 mm <sup>2</sup>                               |
| Wire ends                                             | Tin-plated                                         |
| Degree of protection                                  | IP67                                               |
| Note on degree of protection                          | In mounted state                                   |
| Ambient temperature                                   | -25 °C ... 80 °C                                   |

| Feature                                              | Value                         |
|------------------------------------------------------|-------------------------------|
| Ambient temperature with flexible cable installation | -5 °C ... 80 °C               |
| CE marking (see declaration of conformity)           | As per EU RoHS directive      |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions       |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                |
| Note on materials                                    | RoHS-compliant                |
| Contamination level                                  | 3                             |
| Note on the contamination level                      | In mounted state              |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress |
| Material of cable sheath                             | TPE-U(PUR)                    |
| Color cable sheath                                   | Gray                          |
| Housing material                                     | TPE-U(PUR)                    |
| Material of screw-type lock                          | Brass, chrome-plated          |
| Seals material                                       | NBR                           |
| Material of pin contacts                             | Copper alloy, gold-plated     |
| Insulating sheath material                           | PP                            |