

# Connecting cable KM12-8GD8GS-2-PU

Part number: 525617

FESTO



 General operating condition

## Data sheet

| Feature   | Value                               |
|---|-------------------------------------|
| Cable designation                                     | Without label holder                |
| Contact durability                                    | 50                                  |
| Product weight  | 140 g                               |
| Electrical connection 1, function                     | Field device end                    |
| Electrical connection 1, design                       | Round                               |
| Electrical connection 1, connection type              | Socket                              |
| Electrical connection 1, cable outlet                 | Straight                            |
| 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                     |
| Electrical connection for input 1, connection pattern | 00992265                            |
| Electrical connection 2, function                     | Control side                        |
| Electrical connection 2, design                       | Round                               |
| Electrical connection 2, connection type              | Plug                                |
| Electrical connection 2, cable outlet                 | Straight                            |
| Electrical connection 2, connection technology        | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 2, number of pins/wires         | 8                                   |
| Electrical connection 2, occupied pins/wires          | 8                                   |
| Electrical connection 2, type of mounting             | Screw-type lock                     |
| Electrical connection 2, connection pattern           | 00992264                            |
| DC operating voltage range                            | 0 V ... 30 V                        |
| Nominal operating voltage DC                          | 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  | 2 m                                 |
| Cable characteristic                                  | Standard                            |
| Connector cable test conditions                       | Test conditions on request          |
| Bending radius, fixed cable installation              | ≥32 mm                              |
| Bending radius, flexible cable installation           | ≥64 mm                              |
| Cable diameter  | 6.2 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>                |

| <b>Feature</b>                                       | <b>Value</b>                                 |
|--|--|
| Degree of protection                                 | IP67   |
| Note on degree of protection                         | In mounted state                             |
| Ambient temperature                                  | -25 °C ... 80 °C                             |
| Ambient temperature with flexible cable installation | 0 °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  |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress                |
| Material of cable sheath                             | TPE-U(PUR)                                   |
| Color cable sheath                                   | Gray   |
| Material of screw-type lock                          | Brass, chrome-plated<br>Brass, nickel-plated |
| Seals material                                       | NBR  |
| Material of pin contacts                             | Brass, nickel-plated and gold-plated         |
| Insulating sheath material                           | PP<br>TPE-U(PUR)                             |