

# Connecting cable KVI-CP-3-WS-WD-0,25

Part number: 540327

FESTO



 General operating condition

## Data sheet

| Feature                                               | Value                                                                      |
|-------------------------------------------------------|----------------------------------------------------------------------------|
| Additional functions                                  | Contact 3 of socket 1 mm leading                                           |
| Cable designation                                     | With accessories                                                           |
| Contact durability                                    | 500                                                                        |
| Product weight                                        | 33.6 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        | M9x0.5                                                                     |
| Electrical connection 1, number of pins/wires         | 5                                                                          |
| Electrical connection 1, occupied pins/wires          | 5                                                                          |
| Electrical connection 1, type of mounting             | Screw-type lock                                                            |
| Electrical connection for input 1, connection pattern | 00995398                                                                   |
| Electrical connection 2, function                     | Control side                                                               |
| Electrical connection 2, design                       | Round                                                                      |
| Electrical connection 2, connection type              | Plug                                                                       |
| Electrical connection 2, cable outlet                 | Angled                                                                     |
| Electrical connection 2, connection technology        | M9x0.5                                                                     |
| Electrical connection 2, number of pins/wires         | 5                                                                          |
| Electrical connection 2, occupied pins/wires          | 5                                                                          |
| Electrical connection 2, type of mounting             | Screw-type lock                                                            |
| Electrical connection 2, connection pattern           | 00992012                                                                   |
| DC operating voltage range                            | 0 V ... 30 V                                                               |
| Current rating at 40° C                               | 1.6 A                                                                      |
| Note on acceptable current load at 40°C               | 2.3 A for 0.34 mm <sup>2</sup><br>3.6 A for 0.49 mm <sup>2</sup>           |
| Surge resistance                                      | 1.5 kV                                                                     |
| Shield                                                | yes                                                                        |
| Cable length                                          | 0.25 m                                                                     |
| Cable characteristic                                  | Suitable for energy chains                                                 |
| Connector cable test conditions                       | Test conditions on request                                                 |
| Bending radius, flexible cable installation           | ≥75 mm                                                                     |
| Cable diameter                                        | 5.5 mm                                                                     |
| Cable design                                          | 2 x 0.25 mm <sup>2</sup> + 2 x 0.34 mm <sup>2</sup> + 0.49 mm <sup>2</sup> |
| Nominal conductor cross section                       | 0.34 mm <sup>2</sup>                                                       |

| Feature                                              | Value                                     |
|------------------------------------------------------|-------------------------------------------|
| Degree of protection                                 | IP65<br>IP67                              |
| Note on degree of protection                         | In mounted state                          |
| Ambient temperature                                  | -20 °C ... 80 °C                          |
| 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                                  | 1                                         |
| Corrosion resistance class (CRC)                     | 1 - Low corrosion stress                  |
| Material of cable sheath                             | TPE-U(PUR)                                |
| Color cable sheath                                   | Light gray                                |
| Housing material                                     | PBT<br>TPE-U(PUR)                         |
| Housing colour                                       | Black                                     |
| Material of screw-type lock                          | Brass, nickel-plated                      |
| Material of pin contacts                             | Bronze, gold-plated<br>Brass, gold-plated |
| Insulating sheath material                           | TPE-U(PUR)                                |