

# Connecting cable SIM-K-4-WD-2,5-PU

Part number: 164252

FESTO



## Data sheet

| Feature                                              | Value                                                                                                                       |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Conforms to standard                                 | Wire colours and connection numbers to EN 60947-5-2<br>EN 61076-2-104<br>EN 61984                                           |
| Cable designation                                    | Without inscription label holder                                                                                            |
| Frequency of connection                              | 100                                                                                                                         |
| Electrical connection 1, function                    | Field device side                                                                                                           |
| Electrical connection 1, design                      | Round                                                                                                                       |
| Electrical connection 1, connection type             | Socket                                                                                                                      |
| Electrical connection 1, cable outlet                | Angled                                                                                                                      |
| Electrical connection 1, connector system            | M8 snap-locking A-coded to EN 61076-2-104                                                                                   |
| Electrical connection 1, number of connections/cores | 4                                                                                                                           |
| Electrical connection 1, used connections/cores      | 4                                                                                                                           |
| Electrical connection 1, type of mounting            | Snap-locking                                                                                                                |
| Electrical connection 2, function                    | Controller side                                                                                                             |
| Electrical connection 2, connection type             | Cable                                                                                                                       |
| Electrical connection 2, connector system            | Open end                                                                                                                    |
| Electrical connection 2, number of connections/cores | 4                                                                                                                           |
| Electrical connection 2, used connections/cores      | 4                                                                                                                           |
| Operational voltage range DC                         | 0 V...30 V                                                                                                                  |
| Operational voltage range AC                         | 0 V...30 V                                                                                                                  |
| Current rating at 40° C                              | 3 A                                                                                                                         |
| Immunity to surge                                    | 0.8 kV                                                                                                                      |
| Cable length                                         | 2.5 m                                                                                                                       |
| Cable characteristic                                 | Standard                                                                                                                    |
| Test conditions cable                                | Bending strength: to Festo standard<br>Test conditions on request<br>Energy chain: > 5 million cycles, bending radius 28 mm |
| Bending radius, fixed cable                          | 23 mm                                                                                                                       |
| Bending radius, moving cable                         | 46 mm                                                                                                                       |
| Cable diameter                                       | 4.5 mm                                                                                                                      |
| Cable diameter tolerance                             | ± 0.1 mm                                                                                                                    |

| Feature                                    | Value                                |
|--------------------------------------------|--------------------------------------|
| Cable structure                            | 4 x 0.25 mm <sup>2</sup>             |
| Nominal cross section conductor            | 0.25 mm <sup>2</sup>                 |
| Wire ends                                  | Wire ferrule                         |
| Degree of protection                       | IP65<br>IP67                         |
| Note on degree of protection               | In assembled state                   |
| Ambient temperature                        | -25 °C...70 °C                       |
| Ambient temperature with moving cable      | -5 °C...70 °C                        |
| Storage temperature                        | -25 °C...70 °C                       |
| CE mark (see declaration of conformity)    | In accordance with EU RoHS Directive |
| CE marking (see declaration of conformity) | To UK RoHS instructions              |
| LABS (PWIS) conformity                     | VDMA24364-B2-L                       |
| Note on materials                          | RoHS-compliant<br>Free of halogen    |
| Pollution degree                           | 3                                    |
| Corrosion resistance class CRC             | 4 - Very high corrosion stress       |
| Material cable sheath                      | TPE-U(PUR)                           |
| Cable sheath colour                        | Grey                                 |
| Material housing                           | TPE-U(PUR)                           |
| Housing colour                             | Black                                |
| Material seals                             | NBR                                  |
| Material electrical contact                | Gold-plated brass                    |
| Material insulating sheath                 | PP                                   |