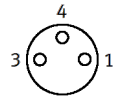
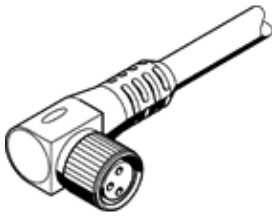


# connecting cable SIM-K-WD-2,5-PU

Part number: 164255

FESTO

For sensors and proximity switches.



## Data sheet

| Feature  | Value   |
|--|---|
| Conforms to standard                                 | Core colours and connection numbers to EN 60947-5-2<br>EN 61076-2-104<br>EN 61984   |
| Cable identification                                 | Without inscription label holder  |
| Connection frequency                                 | 100   |
| Electrical connection 1, function                    | Field device side   |
| Electrical connection 1, design                      | Round   |
| Electrical connection 1, connection type             | Plug socket   |
| Electrical connection 1, cable outlet                | Angled  |
| Electrical connection 1, connection technology       | M8 snap-locking A-coded to EN 61076-2-104   |
| Electrical connection 1, number of pins/wires        | 3   |
| Electrical connection 1, occupied pins/wires         | 3   |
| Electrical connection 1, type of mounting            | Snap-in locking   |
| Electrical connection 2, function                    | Controller side   |
| Electrical connection 2, connection type             | Cable   |
| Electrical connection 2, connection technology       | Open end  |
| Electrical connection 2, number of pins/wires        | 3   |
| Electrical connection 2, occupied pins/wires         | 3   |
| Operating voltage range DC                           | 0 ... 60 V  |
| Operating voltage range AC                           | 0 ... 60 V  |
| Acceptable current load at 40°C                      | 3 A   |
| Surge strength                                       | 1.5 kV  |
| Cable length   | 2.5 m   |
| Cable attribute                                      | Standard  |
| Test conditions of cable                             | Bending strength according to Festo standard<br>Test conditions on request<br>Chain link trunking: 5 million cycles, bending radius 28 mm |
| Bending radius, fixed cable installation             | ≥ 23 mm   |
| Bending radius, flexible cable installation          | ≥ 46 mm   |
| Cable diameter                                       | 4.5 mm  |
| Cable diameter tolerance                             | ± 0,1 mm  |
| Cable structure                                      | 3x0,25  |
| Nominal conductor cross-section                      | 0.25 mm <sup>2</sup>  |
| Wire ends  | Wire end ferrule  |
| Protection class                                     | IP65<br>IP67  |
| Note on degree of protection                         | in assembled condition  |
| Ambient temperature                                  | -25 ... 70 °C   |
| Ambient temperature with flexible cable installation | -5 ... 70 °C  |
| Storage temperature                                  | -25 ... 70 °C   |
| CE mark (see declaration of conformity)              | to EU directive low-voltage devices   |
| Materials note                                       | Free of copper and PTFE<br>Conforms to RoHS<br>Halogen-free   |

| Feature                                 | Value                          |
|---|--------------------------------|
| Degree of contamination                 | 3                              |
| Corrosion resistance classification 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             | Brass, gold-plated             |
| Material insulation                     | PP                             |