

Connecting cable NEBU-M8R3-K-2.5-LE3

Part number: 8001660

FESTO



Data sheet

| Feature | Value |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Type code | NEBU |
| Based on norm | EN 61076-2-104 |
| Conforms to standard | Wire colors and connection numbers as per EN 60947-5-2 |
| Cable designation | With 2x label holders |
| Product weight | 64 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, can be aligned in increments of 15° |
| Electrical connection 1, connection technology | M8x1 A-coded as per 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 | Screw-type lock |
| Electrical connection for input 1, connection pattern | 00991871 |
| 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 | 3 |
| Electrical connection 2, occupied pins/wires | 3 |
| DC operating voltage range | 0 V ... 60 V |
| Operating voltage range AC | 0 V ... 60 V |
| Current rating at 40°C | 0.5 A |
| Surge resistance | 1.5 kV |
| Cable length | 2.5 m |
| Cable characteristic | Standard |
| Connector cable test conditions | Flexural strength: as per Festo standard Test conditions on request Cable chain: 5 million cycles, bending radius 75 mm |
| Bending radius, fixed cable installation | 12 mm |
| Bending radius, flexible cable installation | 39 mm |
| Cable diameter | 3.8 mm |
| Cable diameter tolerance | ± 0.1 mm |
| Cable design | 3 x 0.25 mm ² |
| Nominal conductor cross section | 0.25 mm ² |

| Feature | Value |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Degree of protection | IP65 IP68 IP69K |
| Note on degree of protection | In mounted state |
| Special features | Oil-resistant |
| Ambient temperature | -25 °C ... 70 °C |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C |
| CE marking (see declaration of conformity) | As per EU low voltage directive As per EU RoHS directive |
| LABS conformity | VDMA24364-B2-L |
| Note on materials | Free of copper and PTFE RoHS-compliant Halogen-free Free of phosphoric acid ester |
| Contamination level | 3 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Material of cable sheath | TPE-U(PUR) |
| Color cable sheath | Gray |
| Housing material | TPE-U(PUR) |
| Housing colour | Black |
| Material of screw-type lock | Brass, nickel-plated |
| Seals material | NBR |
| Material of pin contacts | Copper alloy, gold-plated |
| Insulating sheath material | PP |