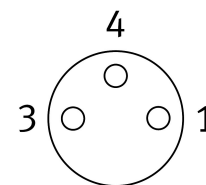


Connecting cable NEBU-M8G3-R-10-LE3

Part number: 8003129

FESTO



Data sheet

| Feature | Value |
|--|--|
| Conforms to standard | Wire colours and connection numbers to EN 60947-5-2 EN 61076-2-104 |
| Explosion protection | The information in the certificate must be observed! Zone 2 (ATEX) Zone 22 (ATEX) |
| Cable designation | With 2x inscription label holders |
| Product weight | 242 g |
| Electrical connection 1, function | Field device side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Socket |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connector system | M8x1, A-coded, to EN 61076-2-104 |
| Electrical connection 1, number of connections/cores | 3 |
| Electrical connection 1, used connections/cores | 3 |
| Electrical connection 1, type of mounting | Screw-type lock |
| 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 | 3 |
| Electrical connection 2, used connections/cores | 3 |
| Operational voltage range DC | 0 V...60 V |
| Operational voltage range AC | 0 V...60 V |
| Current rating at 40° C | 3 A |
| Immunity to surge | 1.5 kV |
| Cable length | 10 m |
| Cable characteristic | Suitable for robot applications |
| Test conditions cable | Bending strength: to Festo standard Test conditions on request Torsionsfestigkeit: > 300 000 Zyklen, ±270°/0,1 m Energy chain: > 5 million cycles, bending radius 28 mm |
| Bending radius, fixed cable | 12 mm |

| Feature | Value |
|--|---|
| Bending radius, moving cable | 39 mm |
| Cable diameter | 3.8 mm |
| Cable diameter tolerance | ± 0.1 mm |
| Cable structure | 3 x 0.25 mm ² |
| Nominal cross section conductor | 0.25 mm ² |
| Degree of protection | IP65 IP68 IP69K |
| Note on degree of protection | In assembled state |
| Special characteristics | Oil resistant |
| Ambient temperature | -25 °C...80 °C |
| Ambient temperature with moving cable | -5 °C...80 °C |
| CE mark (see declaration of conformity) | To EU Low Voltage Directive In accordance with EU RoHS Directive |
| CE marking (see declaration of conformity) | To UK RoHS instructions To UK regulations for electrical equipment |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Note on materials | RoHS-compliant Free of halogen Free of phosphoric acid ester |
| Pollution degree | 3 |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath colour | Grey |
| Material housing | TPE-U(PUR) |
| Housing colour | Black |
| Material screw-type lock | Nickel-plated brass |
| Material seals | NBR |
| Material electrical contact | Gold-plated copper alloy |
| Material insulating sheath | PP |