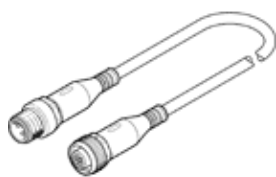
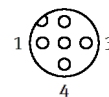


connecting cable

NEBU-M12G5-K-1-N-M12G3

Part number: 8091511

FESTO



Data sheet

| Feature | Value |
|--|--|
| Conforms to standard | Core colours and connection numbers to EN 60947-5-2 EN 61076-2-101 |
| Cable identification | Without inscription label holder |
| Product weight | 44 g |
| Electrical connection 1, function | Field device side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Plug socket |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connection technology | M12x1, A-coded in accordance with EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 5 |
| Electrical connection 1, occupied pins/wires | 3 |
| Electrical connection 1, type of mounting | Screw lock |
| Electrical connection 2, function | Controller side |
| Electrical connection 2, design | Round |
| Electrical connection 2, connection type | Plug |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connection technology | M12x1, A-coded in accordance with EN 61076-2-101 |
| Electrical connection 2, number of pins/wires | 3 |
| Electrical connection 2, occupied pins/wires | 3 |
| Electrical connection 2, type of mounting | Screw lock |
| Operating voltage range DC | 0 ... 250 V |
| Operating voltage range AC | 0 ... 250 V |
| Acceptable current load at 40°C | 4 A |
| Surge strength | 2.5 kV |
| Cable length | 1 m |
| Cable attribute | Standard |
| Test conditions of cable | Bending strength according to Festo standard Test conditions on request Energy 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 structure | 3x0,25 |
| Nominal conductor cross-section | 0.25 mm ² |
| Protection class | IP65 IP68 IP69K |
| Note on degree of protection | in assembled condition |
| Special characteristics | Oil resistant |
| Ambient temperature | -25 ... 70 °C |
| Ambient temperature with flexible cable installation | -5 ... 70 °C |
| CE mark (see declaration of conformity) | to EU directive low-voltage devices in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment To UK RoHS instructions |

| Feature | Value |
|---|---|
| PWIS conformity | VDMA24364-B2-L |
| Materials note | Conforms to RoHS Halogen-free Free of phosphoric acid ester |
| Degree of contamination | 3 |
| Corrosion resistance classification 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 insulation | PP |