

Connecting cable NEBL-M8W4-E-1-N-M8W4

Part number: 8065105

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|---|
| Conforms to standard | EN 61076-2-104 |
| Certification | c UL us - Listed (OL) |
| Explosion prevention and protection | Observe the information on the certificate Zone 2 (ATEX) Zone 22 (ATEX) |
| Certificate issuing authority | UL E253748 |
| Cable designation | Without label holder |
| Product weight | 47 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 |
| Electrical connection 1, connection technology | M8x1 A-coded as per EN 61076-2-104 |
| Electrical connection 1, number of pins/wires | 4 |
| Electrical connection 1, occupied pins/wires | 4 |
| Electrical connection 1, type of mounting | Screw-type lock with hexagon AF 9 and longitudinal knurl |
| Electrical connection for input 1, connection pattern | 00991872 |
| Electrical connection 2, function | Control side |
| Electrical connection 2, design | Round |
| Electrical connection 2, connection type | Plug |
| Electrical connection 2, cable outlet | Angled |
| Electrical connection 2, connection technology | M8x1 A-coded as per EN 61076-2-104 |
| Electrical connection 2, number of pins/wires | 4 |
| Electrical connection 2, occupied pins/wires | 4 |
| Electrical connection 2, type of mounting | Screw-type lock with hexagon AF 9 and longitudinal knurl |
| Electrical connection 2, connection pattern | 00991171 |
| DC operating voltage range | 0 V ... 30 V |
| Nominal operating voltage DC | 24 V |
| Operating voltage range AC | 0 V ... 30 V |
| Nominal operating voltage AC | 24 V |
| Current rating at 40° C | 5.2 A |
| Surge resistance | 0.8 kV |
| Protective earth connection | Not available |
| Shield | no |
| Cable length | 1 m |
| Cable characteristic | Suitable for energy chains |

| Feature | Value |
|--|--------------------------------|
| Connector cable test conditions | Test conditions on request |
| Bending radius, fixed cable installation | ≥15 mm |
| Bending radius, flexible cable installation | ≥50 mm |
| Cable diameter | 4.8 mm |
| Cable diameter tolerance | ± 0.15 mm |
| Cable design | 4 x 0.5 mm ² |
| Nominal conductor cross section | 0.5 mm ² |
| Degree of protection | IP65 IP67 IP69K |
| Note on degree of protection | In mounted state |
| Special features | Oil-resistant |
| Ambient temperature | -40 °C ... 90 °C |
| Ambient temperature with flexible cable installation | -20 °C ... 90 °C |
| Storage temperature | -40 °C ... 90 °C |
| CE marking (see declaration of conformity) | As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Note on materials | RoHS-compliant Halogen-free |
| Contamination level | 3 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Material of cable sheath | TPE-U(PUR) |
| Color cable sheath | Black |
| Housing material | TPE-U(PUR) |
| Housing colour | Black |
| Material of screw-type lock | Brass, nickel-plated |
| Seals material | FPM |
| Material of pin contacts | Copper alloy, gold-plated |
| Insulating sheath material | PP |