

Connecting cable

NEBC-D12G4-ES-1-S-R3G4-ET

Part number: 8040451

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|--|
| Cable designation | With label holder |
| Contact durability | 50 |
| Product weight | 93.5 g |
| Electrical connection 1, function | Field device end |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connection technology | M12x1, D-coded as per EN 61076-2-101 |
| 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 AF13 and vertical knurling |
| Electrical connection for input 1, connection pattern | 00995612 |
| Electrical connection 2, function | Control side |
| Electrical connection 2, design | Rectangular |
| Electrical connection 2, connection type | Plug |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connection technology | RJ45 as per IEC 60603-7-3 |
| Electrical connection 2, number of pins/wires | 8 |
| Electrical connection 2, occupied pins/wires | 4 |
| Electrical connection 2, type of mounting | Snap-locking |
| Electrical connection 2, connection pattern | 00995653 |
| DC operating voltage range | 0 V ... 30 V |
| Current rating at 40° C | 1.3 A |
| Surge resistance | 0.8 kV |
| Note on surge resistance | Due to screening, a leakage flow of up to 20 mA is permissible. |
| Shield | yes |
| Transmission characteristics | In accordance with category 5, EN 50173, class D According to category 5, ISO/IEC 11801, class D |
| Ethernet cable specification | Typ: CAT.5 |
| Cable length | 1 m |
| Cable characteristic | Suitable for energy chains |
| Connector cable test conditions | Flexural strength: as per Festo standard Test conditions on request Energy chain > 2 million cycles, bending radius 100 mm |
| Bending radius, fixed cable installation | ≥40 mm |
| Bending radius, flexible cable installation | ≥100 mm |

| Feature | Value |
|--|--|
| Cable diameter | 6.7 mm |
| Cable diameter tolerance | ± 0.3 mm |
| Cable design | 4 x 0.34 mm ² |
| Nominal conductor cross section | 0.34 mm ² |
| Nominal conductor cross section | AWG22 |
| Degree of protection | IP65 IP67 |
| Special features | Oil-resistant |
| Ambient temperature | -25 °C ... 80 °C |
| Ambient temperature with flexible cable installation | -20 °C ... 60 °C |
| Storage temperature | -25 °C ... 80 °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 |
| Contamination level | 3 |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| Material of cable sheath | TPE-U(PUR) |
| Color cable sheath | Green |
| Housing material | Brass, nickel-plated PA TPE-U(PUR) |
| Housing colour | Black |
| Material of screw-type lock | Die-cast zinc, nickel-plated |
| Material of pin contacts | Brass Gold-plated |
| Insulating sheath material | PE |
| Threaded sleeve material | Die-cast zinc |