

Connecting cable

NEBC-D8G4-ES-2-N-S-D8G4-ET-G2

Part number: 8176595

FESTO



Data sheet

| Feature | Value |
|--|---|
| Based on the standard | EN 61076-2-114 |
| Cable identification | Without inscription label holder |
| Connection frequency | 100 |
| Product weight | 129 g |
| Electrical connection 1, function | Controller side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connection technology | M8x1, D-coded in accordance with EN 61076-2-114 |
| 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 longitudinal knurl |
| 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 | M8x1, D-coded in accordance with EN 61076-2-114 |
| 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 longitudinal knurl |
| Operating voltage range DC | 0 ... 30 V |
| Nominal operating voltage DC | 24 V |
| Acceptable current load at 40°C | 3 A |
| Surge strength | 1.5 kV |
| Polarity protected | No |
| Protective earth connection | Not available |
| Shielding | Yes |
| Transmission properties | as per system communication AP |
| Cable length | 2 m |
| Cable attribute | Suitable for energy chains |
| Test conditions of cable | Test conditions on request |
| Bending radius, fixed cable installation | ≥ 20 mm |
| Bending radius, flexible cable installation | ≥ 75 mm |
| Cable diameter | 6.3 mm |
| Cable diameter tolerance | ± 0,2 mm |
| Cable structure | 1x(4xAWG22) |
| Nominal conductor cross section (AWG) | AWG22 |
| Protection class | IP65 IP67 |
| Note on degree of protection | in assembled condition |
| Special characteristics | Oil resistant |
| Ambient temperature | -20 ... 60 °C |
| Ambient temperature with flexible cable installation | -5 ... 60 °C |
| Storage temperature | -40 ... 70 °C |
| CE symbol (see declaration of conformity) | in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |

| Feature | Value |
|---|----------------------------------|
| PWIS conformity | VDMA24364-B2-L |
| Materials note | Conforms to RoHS Halogen-free |
| Degree of contamination | 3 |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath color | Silver-grey with sky blue stripe |
| Material housing | PA TPE-U(PUR) |
| Housing color | Black |
| Material screw-type lock | Nickel-plated brass |
| Material seals | NBR |
| Material electrical contact | Gold-plated copper alloy |
| Material insulation | PP |