

Connecting cable NEBC-D8W4-ES-30-N-S-D8W4-ET

Part number: 8146038

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|---|
| Based on norm | EN 61076-2-114 |
| Certification | c UL us (OL) |
| Certificate issuing authority | UL E474609 |
| Cable designation | Without label holder |
| Contact durability | 100 |
| Product weight | 1757 g |
| Electrical connection 1, function | Control side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, cable outlet | Angled |
| Electrical connection 1, connection technology | M8x1, D-coded as per 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 rotatable |
| Electrical connection 1, type of mounting | Compatible with rotatable/non-rotatable screw-type lock |
| Electrical connection for input 1, connection pattern | 00995938 |
| 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, D-coded as per 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 rotatable |
| Electrical connection 2, type of mounting | Compatible with rotatable/non-rotatable screw-type lock |
| Electrical connection 2, connection pattern | 00995938 |
| DC operating voltage range | 0 V ... 30 V |
| Note on operating voltage range DC | 0 - 30 V for UL applications |
| Nominal operating voltage DC | 24 V |
| Current rating at 40° C | 3 A |
| Surge resistance | 1.5 kV |
| Reverse polarity protection | no |
| Protective earth connection | Not available |
| Shield | yes |

| Feature | Value |
|--|----------------------------------|
| Transmission characteristics | as per system communication AP |
| Cable length | 30 m |
| Cable characteristic | Suitable for energy chains |
| Connector cable test conditions | 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 design | 1 x (4 x AWG22) |
| Nominal conductor cross section | AWG22 |
| Degree of protection | IP65 IP67 |
| Note on degree of protection | In mounted state |
| Special features | Oil-resistant |
| Ambient temperature | -20 °C ... 60 °C |
| Ambient temperature with flexible cable installation | -5 °C ... 60 °C |
| Storage temperature | -40 °C ... 70 °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 | Silver-grey with sky blue stripe |
| Housing material | PA TPE-U(PUR) |
| Housing colour | Black |
| Material of screw-type lock | Brass, nickel-plated |
| Seals material | NBR |
| Material of pin contacts | Copper alloy, gold-plated |
| Insulating sheath material | PP |