

Connecting cable

NEBC-D8G4-ES-0.5-N-S-D8G4-ET

Part number: 8065123

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|---|
| Based on standard | EN 61076-2-114 |
| Approval | c UL us (OL) |
| Certificate issuing authority | UL E474609 |
| Cable designation | Without inscription label holder |
| Frequency of connection | 100 |
| Product weight | 43 g |
| Electrical connection 1, function | Controller side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Plugs |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connector system | M8x1, D-coded according to EN 61076-2-114 |
| Electrical connection 1, number of connections/cores | 4 |
| Electrical connection 1, used connections/cores | 4 |
| Electrical connection 1, type of mounting | Screw-type lock with longitudinal knurl Rotatable |
| Electrical connection 1, compatible type of mounting | Compatible with rotatable/non-rotatable screw-type lock |
| Electrical connection 1, connection pattern | 00995938 |
| Electrical connection 2, function | Controller side |
| Electrical connection 2, design | Round |
| Electrical connection 2, connection type | Plugs |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connector system | M8x1, D-coded according to EN 61076-2-114 |
| Electrical connection 2, number of connections/cores | 4 |
| Electrical connection 2, used connections/cores | 4 |
| Electrical connection 2, type of mounting | Screw-type lock with longitudinal knurl Rotatable |
| Electrical connection 2, compatible type of mounting | Compatible with rotatable/non-rotatable screw-type lock |
| Electrical connection 2, connection pattern | 00995938 |
| Operational voltage range DC | 0 V ... 30 V |
| Note on operational voltage range DC | 0 - 30 V for UL applications |
| Nominal operating voltage DC | 24 V |
| Current rating at 40° C | 3 A |
| Immunity to surge | 1.5 kV |
| Reverse polarity protection | no |
| Protective conductor connection | Not available |
| Shielding | yes |

| Feature | Value |
|--|--------------------------------------|
| Transmission characteristics | According to system communication AP |
| Cable length | 0.5 m |
| Cable characteristic | Suitable for energy chains |
| Test conditions cable | Test conditions on request |
| Bending radius, fixed cable | ≥20 mm |
| Bending radius, moving cable | ≥75 mm |
| Cable diameter | 6.3 mm |
| Cable diameter tolerance | ± 0.2 mm |
| Cable structure | 1 x (4 x AWG22) |
| Conductor nominal cross section | AWG22 |
| Degree of protection | IP65 IP67 |
| Note on degree of protection | In assembled state |
| Special characteristics | Oil resistant |
| Ambient temperature | -20 °C ... 60 °C |
| Ambient temperature with moving cable | -5 °C ... 60 °C |
| Storage temperature | -40 °C ... 70 °C |
| CE mark (see declaration of conformity) | In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Note on materials | RoHS-compliant Free of halogen |
| Pollution degree | 3 |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath colour | Silver-grey with sky blue stripe |
| Material housing | PA TPE-U(PUR) |
| Housing colour | Black |
| Material screw-type lock | Nickel-plated brass |
| Material seals | NBR |
| Material electrical contact | Gold-plated copper alloy |
| Material insulating sheath | PP |