

Connecting cable

NEBC-F12G8-KH-0.5-N-S-F12G8

Part number: 564190

FESTO



Data sheet

| Feature | Value |
|------------------------------------------------------|----------------------------------------------|
| Based on the standard | Dimensions to EN 61076-2-101 |
| Cable identification | Without inscription label holder |
| Connection frequency | 100 |
| Product weight | 69 g |
| Electrical connection 1, function | Field device side Controller side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Hybrid plugs |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connection technology | M12x1, with Festo-specific coding |
| Electrical connection 1, number of pins/wires | 8 |
| Electrical connection 1, occupied pins/wires | 8 |
| Electrical connection 1, type of mounting | Screw lock with SW14 and longitudinal knurl |
| Electrical connection 2, function | Field device side Controller side |
| Electrical connection 2, design | Round |
| Electrical connection 2, connection type | Hybrid plugs |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connection technology | M12x1, with Festo-specific coding |
| Electrical connection 2, number of pins/wires | 8 |
| Electrical connection 2, occupied pins/wires | 8 |
| Electrical connection 2, type of mounting | Screw lock with SW14 and longitudinal knurl |
| Operating voltage range DC | 0 ... 30 V |
| Acceptable current load at 40°C | 7 A |
| Note on acceptable current load at 40°C | 1.5 A for 0.14 mm ² |
| Surge strength | 0.8 kV |
| Cable length | 0.5 m |
| Cable attribute | Standard |
| Test conditions of cable | Test conditions on request |
| Bending radius, fixed cable installation | ≥ 24 mm |
| Bending radius, flexible cable installation | ≥ 56 mm |
| Cable diameter | 8 mm |
| Cable diameter tolerance | ± 0,2 mm |
| Cable structure | (1x(4x0,14))+4x0,75 |
| Nominal conductor cross-section | 0.14 mm ² 0.75 mm ² |
| Protection class | IP65 IP67 |
| Note on degree of protection | in assembled condition |
| Special characteristics | Oil resistant |
| Ambient temperature | -25 ... 70 °C |
| Ambient temperature with flexible cable installation | -5 ... 70 °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 |
| PWIS conformity | VDMA24364-B2-L |

| Feature | Value |
|-----------------------------------------|----------------------------------|
| Materials note | Conforms to RoHS Halogen-free |
| Degree of contamination | 3 |
| Corrosion resistance classification CRC | 1 - Low corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath color | light grey |
| Material housing | TPE-U(PUR) |
| Housing color | Black |
| Material screw-type lock | Nickel-plated brass |
| Material electrical contact | Brass, gold-plated |
| Material insulation | PP |