

Connecting cable

NEBC-F12G8-KH-0.25-N-S-F12G8

Part number: 564189

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|--|
| Based on norm | Dimensions as per EN 61076-2-101 |
| Cable designation | Without label holder |
| Contact durability | 100 |
| Product weight | 47 g |
| Electrical connection 1, function | Field device end Control side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Hybrid plug |
| 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-type lock with AF 14 and longitudinal knurl |
| Electrical connection for input 1, connection pattern | 00997723 |
| Electrical connection 2, function | Field device end Control side |
| Electrical connection 2, design | Round |
| Electrical connection 2, connection type | Hybrid plug |
| 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-type lock with AF 14 and longitudinal knurl |
| Electrical connection 2, connection pattern | 00997723 |
| DC operating voltage range | 0 V ... 30 V |
| Current rating at 40° C | 7 A |
| Note on acceptable current load at 40°C | 1.5 A for conductor cross-section of 0.14 mm ² |
| Surge resistance | 0.8 kV |
| Cable length | 0.25 m |
| Cable characteristic | Standard |
| Connector cable test conditions | 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 design | (1 x (4 x 0.14 mm ²)) + 4 x 0.75 mm ² |

| Feature | Value |
|--|--------------------------------|
| Nominal conductor cross section | 0.75 mm ² |
| Degree of protection | IP65 IP67 |
| Note on degree of protection | In mounted state |
| Special features | Oil-resistant |
| Ambient temperature | -25 °C ... 70 °C |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °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) | 1 - Low corrosion stress |
| Material of cable sheath | TPE-U(PUR) |
| Color cable sheath | Light gray |
| Housing material | TPE-U(PUR) |
| Housing colour | Black |
| Material of screw-type lock | Brass, nickel-plated |
| Material of pin contacts | Brass, gold-plated |
| Insulating sheath material | PP |