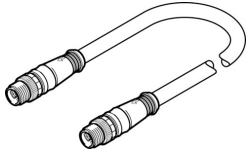


Connecting cable NEBC-F12G8-KH-0.25-N-S-F12G8

Part number: 564189

FESTO



Data sheet

| Feature | Value |
|--|--|
| Based on standard | Dimensions to EN 61076-2-101 |
| Cable designation | Without inscription label holder |
| Frequency of connection | 100 |
| Product weight | 47 g |
| Electrical connection 1, function | Field device side Controller side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Hybrid plug |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connector system | M12x1, Festo-specific coding |
| Electrical connection 1, number of connections/cores | 8 |
| Electrical connection 1, used connections/cores | 8 |
| Electrical connection 1, type of mounting | Screw-type lock, size 14 mm, and longitudinal knurl |
| Electrical connection 2, function | Field device side Controller side |
| Electrical connection 2, design | Round |
| Electrical connection 2, connection type | Hybrid plug |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connector system | M12x1, Festo-specific coding |
| Electrical connection 2, number of connections/cores | 8 |
| Electrical connection 2, used connections/cores | 8 |
| electrical connection 2, type of mounting | Screw-type lock, size 14 mm, and longitudinal knurl |
| Operational voltage range DC | 0 V...30 V |
| Current rating at 40° C | 7 A |
| Note on permissible current load at 40°C | 1.5 A for conductor cross section 0.14 mm ² |
| Immunity to surge | 0.8 kV |
| Cable length | 0.25 m |
| Cable characteristic | Standard |
| Test conditions cable | Test conditions on request |
| Bending radius, fixed cable | 24 mm |
| Bending radius, moving cable | 56 mm |
| Cable diameter | 8 mm |

| Feature | Value |
|--|--|
| Cable diameter tolerance | ± 0.2 mm |
| Cable structure | (1 x (4 x 0.14 mm ²)) + 4 x 0.75 mm ² |
| Nominal cross section conductor | 0.14 mm ² 0.75 mm ² |
| Degree of protection | IP65 IP67 |
| Note on degree of protection | In assembled state |
| Special characteristics | Oil resistant |
| Ambient temperature | -25 °C...70 °C |
| Ambient temperature with moving cable | -5 °C...70 °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 | 1 - Low corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath colour | Light grey |
| Material housing | TPE-U(PUR) |
| Housing colour | Black |
| Material screw-type lock | Nickel-plated brass |
| Material electrical contact | Gold-plated brass |
| Material insulating sheath | PP |