

Encoder cable NEBM-M12G8-E-10-S1G9-V3

Part number: 1599106

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Cable designation | Without inscription label holder |
| Electrical connection 1, function | Field device side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Socket |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connector system | M12x1, A-coded to EN 61076-2-101 |
| Electrical connection 1, number of connections/cores | 8 |
| Electrical connection 1, used connections/cores | 8 |
| Electrical connection 1, connection pattern | 00992265 |
| Electrical connection 2, function | Controller side |
| Electrical connection 2, design | Angular |
| Electrical connection 2, connection type | Plugs |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connector system | Sub-D |
| Electrical connection 2, number of connections/cores | 9 |
| Electrical connection 2, used connections/cores | 8 |
| Electrical connection 2, connection pattern | 00995639 |
| Operational voltage range DC | 0 V ... 30 V |
| Nominal operating voltage DC | 24 V |
| Operational voltage range AC | 0 V ... 30 V |
| Nominal operating voltage AC | 24 V |
| Shielding | yes |
| Cable length | 10 m |
| Cable characteristic | Suitable for energy chains |
| Bending radius, moving cable | ≥100 mm |
| Cable diameter | 8.2 mm |
| Cable structure | 3 x (2 x 0.14 mm ²) + 2 x (0.5 mm ²) |
| Nominal cross section conductor | 0.14 mm ² |
| Degree of protection | IP65 |
| Note on degree of protection | In assembled state |
| Ambient temperature | -50 °C ... 80 °C |
| Ambient temperature with moving cable | -40 °C ... 75 °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 |

| Feature | Value |
|--------------------------------|-------------------------|
| Corrosion resistance class CRC | 0 - No corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath colour | Grey |