

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

Part number: 1599108

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|---|--|
| Cable designation | Without label holder |
| Electrical connection 1, function | Field device end |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Socket |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 8 |
| Electrical connection 1, occupied pins/wires | 8 |
| Electrical connection for input 1, connection pattern | 00992265 |
| Electrical connection 2, function | Control side |
| Electrical connection 2, design | Rectangular |
| Electrical connection 2, connection type | Plug |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connection technology | Sub-D |
| Electrical connection 2, number of pins/wires | 9 |
| Electrical connection 2, occupied pins/wires | 8 |
| Electrical connection 2, connection pattern | 00995639 |
| DC operating voltage range | 0 V ... 30 V |
| Nominal operating voltage DC | 24 V |
| Operating voltage range AC | 0 V ... 30 V |
| Nominal operating voltage AC | 24 V |
| Shield | yes |
| Cable length | 1 m ... 25 m |
| Cable characteristic | Suitable for energy chains |
| Bending radius, flexible cable installation | ≥100 mm |
| Cable diameter | 8.2 mm |
| Cable design | 3 x (2 x 0.14 mm ²) + 2 x (0.5 mm ²) |
| Nominal conductor cross section | 0.5 mm ² |
| Degree of protection | IP65 |
| Note on degree of protection | In mounted state |
| Ambient temperature | -50 °C ... 80 °C |
| Ambient temperature with flexible cable installation | -40 °C ... 75 °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 |

| Feature | Value |
|----------------------------------|-------------------------|
| Note on materials | RoHS-compliant |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| Material of cable sheath | TPE-U(PUR) |
| Color cable sheath | Gray |