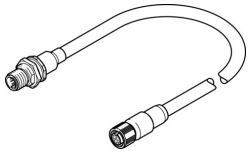
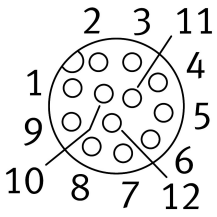
# Encoder cable
# NEBM-M12G12-RS-2.23-N-M12G12H

Part number: 571902






## Data sheet

| Feature | Value |
|---|---|
| Conforms to standard | DIN 47100<br>EN 61984 |
| Cable designation | Without 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, connection technology | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 12 |
| Electrical connection 1, occupied pins/wires | 11 |
| Electrical connection 1, type of mounting | Screw-type lock with AF 14 |
| Electrical connection 2, function | Control side |
| Electrical connection 2, design | Round |
| Electrical connection 2, connection type | Plug |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connection technology | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 2, number of pins/wires | 12 |
| Electrical connection 2, occupied pins/wires | 11 |
| Electrical connection 2, type of mounting | Screw-type lock with hexagon, AF 18 |
| 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 |
| Current rating at 40° C | 1 A |
| Shield | Yes |
| Cable length | 2.23 m |
| Cable characteristic | Suitable for robot applications |
| Bending radius, flexible cable installation | 70 mm |
| Cable diameter | 7 mm |
| Cable design | 12 x 0.14 mm² |

| Feature | Value |
|---|---|
| Nominal conductor cross section | 0.14 mm² |
| Degree of protection | IP67 |
| Note on degree of protection | In mounted state |
| Ambient temperature | -25 °C...80 °C |
| Ambient temperature with flexible cable installation | 0 °C...40 °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 |
| Contamination level | 3 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Material of cable sheath | TPE-U(PUR) |
| Color cable sheath | Black |
| Housing material | TPE-U(PUR) |
| Seals material | NBR |
| Insulating sheath material | TPE-E |