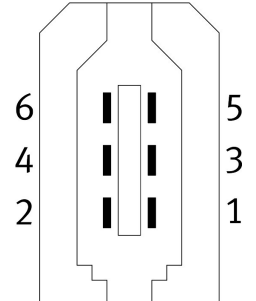


Encoder cable

NEBM-REG6-E-15-Q14N-REG6

Part number: 8097200

FESTO



Data sheet

| Feature | Value |
|--|--|
| Cable designation | Without label holder |
| Electrical connection 1, function | Field device end |
| Electrical connection 1, design | Rectangular |
| Electrical connection 1, connection type | Socket |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connection technology | Connection diagram RE |
| Electrical connection 1, number of pins/wires | 6 |
| Electrical connection 1, occupied pins/wires | 6 |
| 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 | Connection diagram RE |
| Electrical connection 2, number of pins/wires | 6 |
| Electrical connection 2, occupied pins/wires | 6 |
| DC operating voltage range | 0 V...30 V |
| Operating voltage range AC | 0 V...30 V |
| Current rating at 40° C | 1.6 A |
| Surge resistance | 2 kV |
| Cable length | 15 m |
| Cable characteristic | Suitable for energy chains |
| Connector cable test conditions | Test conditions on request |
| Bending radius, fixed cable installation | 55 mm |
| Bending radius, flexible cable installation | 55 mm |
| Cable diameter | 7.4 mm |
| Cable design | 2 x 0.51 mm ² + 4 x 0.205 mm ² |

| Feature | Value |
|--|---|
| Nominal conductor cross section | 0.205 mm ² 0.51 mm ² AWG20 AWG24 |
| Degree of protection | IP20 |
| Note on degree of protection | In mounted state |
| Ambient temperature | -40 °C...80 °C |
| Ambient temperature with flexible cable installation | -10 °C...80 °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 zone III |
| Note on materials | RoHS-compliant |
| Contamination level | 3 |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| Material of cable sheath | PVC |
| Color cable sheath | Black |
| Housing material | PVC |
| Housing colour | Gray |
| Insulating sheath material | PVC |