

Encoder cable NEBM-REG6-E-25-Q14N-REG6

Part number: 8097202

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 | Angular |
| Electrical connection 1, connection type | Socket |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connector system | Connection pattern RE |
| Electrical connection 1, number of connections/cores | 6 |
| Electrical connection 1, used connections/cores | 6 |
| Electrical connection 1, connection pattern | 00995793 |
| 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 | Connection pattern RE |
| Electrical connection 2, number of connections/cores | 6 |
| Electrical connection 2, used connections/cores | 6 |
| Electrical connection 2, connection pattern | 00995792 |
| Operational voltage range DC | 0 V ... 30 V |
| Operational voltage range AC | 0 V ... 30 V |
| Current rating at 40° C | 1.6 A |
| Immunity to surge | 2 kV |
| Cable length | 25 m |
| Cable characteristic | Suitable for energy chains |
| Test conditions cable | Test conditions on request |
| Bending radius, fixed cable | ≥55 mm |
| Bending radius, moving cable | ≥55 mm |
| Cable diameter | 7.4 mm |
| Cable structure | 2 x 0.51 mm ² + 4 x 0.205 mm ² |
| Nominal cross section conductor | 0.51 mm ² |
| Conductor nominal cross section | AWG20 AWG24 |
| Degree of protection | IP20 |
| Note on degree of protection | In assembled state |
| Ambient temperature | -40 °C ... 80 °C |
| Ambient temperature with moving cable | -10 °C ... 80 °C |
| CE mark (see declaration of conformity) | In accordance with EU RoHS Directive |

| Feature | Value |
|----------------------------------------------|-------------------------|
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Note on materials | RoHS-compliant |
| Pollution degree | 3 |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| Material cable sheath | PVC |
| Cable sheath colour | Black |
| Material housing | PVC |
| Housing colour | grey |
| Material insulating sheath | PVC |