

Motor cable NEBM-M16G8-E-15-Q7-LE8

Part number: 8003772

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Based on standard | EN 61984 |
| 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 | M16x0.75 |
| Electrical connection 1, number of connections/cores | 8 |
| Electrical connection 1, used connections/cores | 6 |
| Electrical connection 1, connection pattern | 00995654 |
| Electrical connection 2, function | Controller side |
| Electrical connection 2, connection type | Cable |
| Electrical connection 2, connector system | Open end |
| Electrical connection 2, number of connections/cores | 8 |
| Electrical connection 2, used connections/cores | 6 |
| Operational voltage range DC | 0 V ... 600 V |
| Note on operational voltage range DC | 0 - 300 V for conductor cross section 0.25 mm ² |
| Operational voltage range AC | 0 V ... 600 V |
| Note on operational voltage range AC | 0 - 300 V for conductor cross section 0.25 mm ² |
| Current rating at 40° C | 12 A |
| Note on permissible current load at 40°C | 4 A for conductor cross section 0.25 mm ² |
| Immunity to surge | 6 kV |
| Note on immunity to surge | 4 kV for conductor cross section 0.25 mm ² |
| Shielding | yes |
| Cable length | 15 m |
| Cable characteristic | Suitable for energy chains |
| Bending radius, fixed cable | ≥55 mm |
| Bending radius, moving cable | ≥110 mm |
| Cable diameter | 11 mm |
| Cable structure | 4 x 0.75 mm ² + 2 x (2 x 0.25 mm ²) |
| Nominal cross section conductor | 0.75 mm ² |
| Wire ends | Wire ferrule |
| Degree of protection | IP65 |
| Note on degree of protection | In assembled state |
| Ambient temperature | -50 °C ... 90 °C |
| Ambient temperature with moving cable | -40 °C ... 90 °C |

| Feature | Value |
|--|---|
| CE mark (see declaration of conformity) | To EU Low Voltage Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions To UK regulations for electrical equipment |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Note on materials | RoHS-compliant |
| Pollution degree | 3 |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath colour | Orange |
| Material insulating sheath | TPE-E |