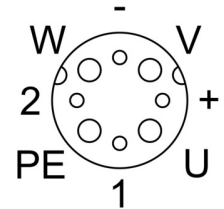


# Motor cable NEBM-M16G8-E-10-Q7-LE8

Part number: 8003771

FESTO



## Data sheet

| Feature   | Value  |
|---|--|
| Type code   | NEBM   |
| Based on norm   | EN 61984   |
| 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        | M16x0.75   |
| Electrical connection 1, number of pins/wires         | 8  |
| Electrical connection 1, occupied pins/wires          | 6  |
| Electrical connection for input 1, connection pattern | 00995654   |
| Electrical connection 2, function                     | Control side   |
| Electrical connection 2, connection type              | Cable  |
| Electrical connection 2, connection technology        | Open end   |
| Electrical connection 2, number of pins/wires         | 8  |
| Electrical connection 2, occupied pins/wires          | 6  |
| DC operating voltage range                            | 0 V ... 600 V  |
| Note on operating voltage range DC                    | 0 - 300 V for conductor cross-section of 0.25 mm <sup>2</sup>          |
| Operating voltage range AC                            | 0 V ... 600 V  |
| Note on operating voltage range AC                    | 0 - 300 V for conductor cross-section of 0.25 mm <sup>2</sup>          |
| Current rating at 40°C                                | 12 A   |
| Note on acceptable current load at 40°C               | 4 A for conductor cross-section of 0.25 mm <sup>2</sup>                |
| Surge resistance                                      | 6 kV   |
| Note on surge resistance                              | 4 kV for a conductor cross-section of 0.25 mm <sup>2</sup>             |
| Cable length  | 10 m   |
| Cable characteristic                                  | Suitable for energy chains   |
| Bending radius, fixed cable installation              | ≥55 mm   |
| Bending radius, flexible cable installation           | ≥110 mm  |
| Cable diameter  | 11 mm  |
| Cable design  | 4 x 0.75 mm <sup>2</sup> + 2 x (2 x 0.25 mm <sup>2</sup> )<br>Shielded |
| Nominal conductor cross section                       | 0.25 mm <sup>2</sup><br>0.75 mm <sup>2</sup>                           |
| Wire ends   | Cable end sleeve   |

| <b>Feature</b>                                       | <b>Value</b>  |
|--|---|
| Degree of protection                                 | IP65  |
| Note on degree of protection                         | In mounted state  |
| Ambient temperature                                  | -50 °C ... 90 °C  |
| Ambient temperature with flexible cable installation | -40 °C ... 90 °C  |
| CE marking (see declaration of conformity)           | As per EU low voltage directive<br>As per EU RoHS directive |
| Note on materials                                    | RoHS-compliant  |
| Contamination level                                  | 3   |
| Corrosion resistance class (CRC)                     | 0 - No corrosion stress                                     |
| Material of cable sheath                             | TPE-U(PUR)  |
| Color cable sheath                                   | Orange  |
| Insulating sheath material                           | TPE-E   |