

# Motor cable

## NEBM-M16G8-E-10-Q9-LE8-1

Part number: 5391549

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Based on norm                                  | EN 61984   |
| Cable designation                              | Without label holder   |
| Product weight                                 | 2400 g   |
| 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 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 0.5 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 0.5 mm <sup>2</sup> |
| Current rating at 40° C                        | 16 A   |
| Note on acceptable current load at 40°C        | 8 A for conductor cross-section of 0.5 mm <sup>2</sup>       |
| Surge resistance                               | 6 kV   |
| Note on surge resistance                       | 4 kV for a conductor cross-section of 0.5 mm <sup>2</sup>    |
| Shield   | yes  |
| Cable length                                   | 10 m   |
| Cable characteristic                           | Suitable for energy chains                                   |
| Bending radius, fixed cable installation       | 64 mm  |
| Bending radius, flexible cable installation    | 128 mm   |
| Cable diameter                                 | 12.8 mm  |
| Cable design                                   | 4 x 1.5 mm <sup>2</sup> + 2 x (2 x 0.5 mm <sup>2</sup> )     |

| Feature  | Value  |
|--|--|
| Nominal conductor cross section                      | 0.5 mm <sup>2</sup><br>1.5 mm <sup>2</sup>   |
| Wire ends  | Cable end sleeve as per DIN 46228-A..-10<br>Cable end sleeve as per DIN 46228-E..-10 |
| 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                          |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions<br>To UK instructions for electrical equipment               |
| LABS (PWIS) conformity                               | VDMA24364-B2-L   |
| 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  |