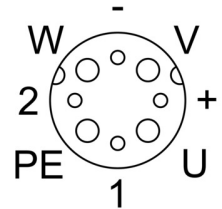


# Motor cable NEBM-M16G8-E-2.5-Q7-LE8

Part number: 8004662

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                                          | 2.5 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                       | 0.75 mm <sup>2</sup><br>0.25 mm <sup>2</sup>                           |
| Wire ends                                             | Cable end sleeve                                                       |

| Feature                                              | Value                                                       |
|------------------------------------------------------|-------------------------------------------------------------|
| 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                                                       |