

# Motor cable NEBM-M17G12-EH-10-Q6N-LE12

Part number: 8195457

FESTO



 General operating condition

## Data sheet

| Feature                                               | Value                                                                        |
|-------------------------------------------------------|------------------------------------------------------------------------------|
| Based on norm                                         | EN 61984                                                                     |
| Cable designation                                     | Without label holder                                                         |
| Product weight                                        | 1460 g                                                                       |
| Electrical connection 1, function                     | Field device end                                                             |
| Electrical connection 1, design                       | Round                                                                        |
| Electrical connection 1, connection type              | Hybrid socket                                                                |
| Electrical connection 1, cable outlet                 | Straight                                                                     |
| Electrical connection 1, connection technology        | M17x0.75                                                                     |
| Electrical connection 1, number of pins/wires         | 12                                                                           |
| Electrical connection 1, occupied pins/wires          | 12                                                                           |
| Electrical connection 1, type of mounting             | Screw-type lock                                                              |
| Electrical connection for input 1, connection pattern | 00997531                                                                     |
| Electrical connection 2, function                     | Control side                                                                 |
| Electrical connection 2, connection type              | Cable                                                                        |
| Electrical connection 2, cable outlet                 | Straight                                                                     |
| Electrical connection 2, connection technology        | Open end                                                                     |
| Electrical connection 2, number of pins/wires         | 12                                                                           |
| Electrical connection 2, occupied pins/wires          | 12                                                                           |
| Electrical connection 2, type of mounting             | Inserted                                                                     |
| Electrical connection 2, connection pattern           | 00997532                                                                     |
| DC operating voltage range                            | 0 V ... 48 V                                                                 |
| Current rating at 40° C                               | 7.6 A                                                                        |
| Surge resistance                                      | 1.5 kV                                                                       |
| Shield                                                | yes                                                                          |
| Cable length                                          | 10 m                                                                         |
| Cable characteristic                                  | Suitable for energy chains                                                   |
| Connector cable test conditions                       | Test conditions on request                                                   |
| Bending radius, fixed cable installation              | 42 mm                                                                        |
| Bending radius, flexible cable installation           | 78.75 mm                                                                     |
| Cable diameter                                        | 10.5 mm                                                                      |
| Cable diameter tolerance                              | ± 0.3 mm                                                                     |
| Cable design                                          | 4 x 0.5 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup> + 6 x 0.15 mm <sup>2</sup> |
| Nominal conductor cross section                       | 0.15 mm <sup>2</sup>                                                         |
| Wire ends                                             | Cable end sleeve                                                             |
| Degree of protection                                  | IP67                                                                         |
| Note on degree of protection                          | In mounted state                                                             |

| Feature                                              | Value                          |
|------------------------------------------------------|--------------------------------|
| Ambient temperature                                  | -40 °C ... 90 °C               |
| Ambient temperature with flexible cable installation | -25 °C ... 80 °C               |
| Overvoltage category                                 | I                              |
| CE marking (see declaration of conformity)           | As per EU RoHS directive       |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions        |
| LABS (PWIS) conformity                               | VDMA24364 zone III             |
| Note on materials                                    | RoHS-compliant<br>Halogen-free |
| Contamination level                                  | 3                              |
| Corrosion resistance class (CRC)                     | 1 - Low corrosion stress       |
| Material of cable sheath                             | TPE-U(PUR)                     |
| Color cable sheath                                   | Gray                           |
| Insulating sheath material                           | PP                             |