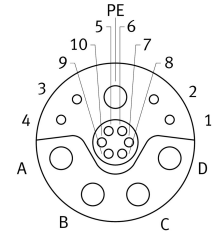


# Motor cable

## NEBM-M40G15-EH-5-Q11N-R3LEG14

Part number: 5251396

FESTO



## Data sheet

| Feature                                        | Value                                                                                                                                          |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Based on norm                                  | EN 61984                                                                                                                                       |
| Cable designation                              | Without label holder                                                                                                                           |
| Product weight                                 | 2.06 kg                                                                                                                                        |
| Electrical connection 1, function              | Field device side                                                                                                                              |
| Electrical connection 1, design                | Round                                                                                                                                          |
| Electrical connection 1, connection type       | Hybrid socket                                                                                                                                  |
| Electrical connection 1, cable outlet          | Straight                                                                                                                                       |
| Electrical connection 1, connection technology | M40x1                                                                                                                                          |
| Electrical connection 1, number of pins/wires  | 15                                                                                                                                             |
| Electrical connection 1, occupied pins/wires   | 12                                                                                                                                             |
| Electrical connection 1, type of mounting      | Snap-locking                                                                                                                                   |
| Electrical connection 2, function              | Control side                                                                                                                                   |
| Electrical connection 2, connection type       | Connector and cable                                                                                                                            |
| Electrical connection 2, cable outlet          | Straight                                                                                                                                       |
| Electrical connection 2, connection technology | RJ45 and open end                                                                                                                              |
| Electrical connection 2, number of pins/wires  | 14                                                                                                                                             |
| Electrical connection 2, occupied pins/wires   | 12                                                                                                                                             |
| DC operating voltage range                     | 0 V...850 V                                                                                                                                    |
| Operating voltage range AC                     | 0 V...630 V                                                                                                                                    |
| Current rating at 40° C                        | 31.9 A                                                                                                                                         |
| Surge resistance                               | 6 kV                                                                                                                                           |
| Cable length                                   | 5 m                                                                                                                                            |
| Cable characteristic                           | Suitable for energy chains                                                                                                                     |
| Connector cable test conditions                | Test conditions on request                                                                                                                     |
| Bending radius, fixed cable installation       | 65.6 mm                                                                                                                                        |
| Bending radius, flexible cable installation    | 123 mm                                                                                                                                         |
| Cable diameter                                 | 16.4 mm                                                                                                                                        |
| Cable diameter tolerance                       | ± 0.3 mm                                                                                                                                       |
| Cable design                                   | $4 \times 4 \text{ mm}^2 + 1 \times (2 \times 1.5 \text{ mm}^2) + 1 \times (2 \times 0.24 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2)$ |

| Feature                                              | Value                                                                  |
|------------------------------------------------------|------------------------------------------------------------------------|
| Wire ends                                            | Wire ferrule                                                           |
| Degree of protection                                 | IP67                                                                   |
| Note on degree of protection                         | Depending on terminal block                                            |
| Ambient temperature                                  | -40 °C...90 °C                                                         |
| Ambient temperature with flexible cable installation | -25 °C...80 °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<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                                                                     |