

# Motor cable NEBM-M23G15-EH-2.5-Q9N-R3LEG14

Part number: 5251381

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Based on norm   | EN 61984   |
| Cable designation                                     | Without label holder   |
| Product weight  | 950 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        | M23x1  |
| Electrical connection 1, number of pins/wires         | 15   |
| Electrical connection 1, occupied pins/wires          | 12   |
| Electrical connection 1, type of mounting             | Screw-type lock  |
| Electrical connection for input 1, connection pattern | 00995912   |
| Electrical connection 2, function                     | Control side   |
| Electrical connection 2, connection type              | Plugs and cables   |
| 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                               | 17.8 A   |
| Surge resistance                                      | 6 kV   |
| Shield  | yes  |
| Cable length  | 2.5 m  |
| Cable characteristic                                  | Suitable for energy chains   |
| Connector cable test conditions                       | Test conditions on request   |
| Bending radius, fixed cable installation              | ≥51.2 mm   |
| Bending radius, flexible cable installation           | ≥96 mm   |
| Cable diameter  | 12.8 mm  |
| Cable diameter tolerance                              | ± 0.3 mm   |
| Cable design  | 4 x 1.5 mm <sup>2</sup> + 1 x (2 x 0.75 mm <sup>2</sup> ) + 1 x (2 x 0.24 mm <sup>2</sup> + 2 x 2 x 0.15 mm <sup>2</sup> ) |
| Nominal conductor cross section                       | 1.5 mm <sup>2</sup>  |
| Wire ends   | Cable end sleeve   |
| Degree of protection                                  | IP67   |
| Note on degree of protection                          | In mounted state   |
| Ambient temperature                                   | -40 °C ... 90 °C   |

| <b>Feature</b>                                       | <b>Value</b>   |
|--|--|
| 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   |