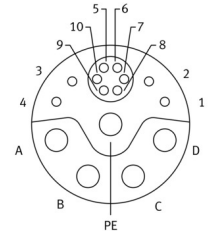
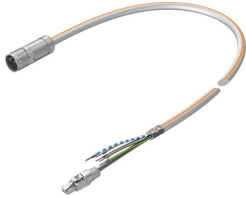


# Motor cable NEBM-M23G15-EH-2.5-Q9N-R3LEG14

Part number: 5251381

FESTO



## Data sheet

| Feature                                               | Value                                                                                                                                  |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Type code                                             | NEBM                                                                                                                                   |
| 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                                                                                                                                   |
| 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> )<br>Shielded |

| Feature                                              | Value                                                                                       |
|------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Nominal conductor cross section                      | 0.24 mm <sup>2</sup><br>0.75 mm <sup>2</sup><br>0.15 mm <sup>2</sup><br>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                                                                            |
| Ambient temperature with flexible cable installation | -25 °C ... 80 °C                                                                            |
| CE marking (see declaration of conformity)           | As per EU low voltage directive                                                             |
| 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                                                                                          |