

# Motor cable NEBM-M23G15-EH-2.5-Q10N-R3LEG14

Part number: 5251388

FESTO



 General operating condition

## Data sheet

| Feature  | Value   |
|--|---|
| Based on standard                                    | EN 61984  |
| Cable designation                                    | Without inscription label holder  |
| Product weight                                       | 1125 g  |
| 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, connector system            | M23x1   |
| Electrical connection 1, number of connections/cores | 15  |
| Electrical connection 1, used connections/cores      | 12  |
| Electrical connection 1, type of mounting            | Screw-type lock   |
| Electrical connection 1, connection pattern          | 00995912  |
| Electrical connection 2, function                    | Controller side   |
| Electrical connection 2, connection type             | Plugs and cables  |
| Electrical connection 2, cable outlet                | Straight  |
| Electrical connection 2, connector system            | RJ45 and open end   |
| Electrical connection 2, number of connections/cores | 14  |
| Electrical connection 2, used connections/cores      | 12  |
| Operational voltage range DC                         | 0 V ... 850 V   |
| Operational voltage range AC                         | 0 V ... 630 V   |
| Current rating at 40° C                              | 23.7 A  |
| Immunity to surge                                    | 6 kV  |
| Shielding  | yes   |
| Cable length   | 2.5 m   |
| Cable characteristic                                 | Suitable for energy chains  |
| Test conditions cable                                | Test conditions on request  |
| Bending radius, fixed cable                          | ≥55.6 mm  |
| Bending radius, moving cable                         | ≥97.3 mm  |
| Cable diameter                                       | 13.9 mm   |
| Cable diameter tolerance                             | ± 0.3 mm  |
| Cable structure                                      | 4 x 2.5 mm <sup>2</sup> + 1 x (2 x 1.0 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 cross section conductor                      | 2.5 mm <sup>2</sup>   |
| Wire ends  | Wire ferrule  |
| Degree of protection                                 | IP67  |
| Note on degree of protection                         | In assembled state  |
| Ambient temperature                                  | -40 °C ... 90 °C  |

| <b>Feature</b>                               | <b>Value</b>  |
|--|---|
| Ambient temperature with moving cable        | -25 °C ... 80 °C  |
| CE mark (see declaration of conformity)      | To EU Low Voltage Directive<br>In accordance with EU RoHS Directive   |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions<br>To UK regulations for electrical equipment |
| LABS (PWIS) conformity                       | VDMA24364-B2-L  |
| Note on materials                            | RoHS-compliant<br>Free of halogen                                     |
| Pollution degree                             | 3   |
| Corrosion resistance class CRC               | 1 - Low corrosion stress  |
| Material cable sheath                        | TPE-U(PUR)  |
| Cable sheath colour                          | Grey  |
| Material insulating sheath                   | PP  |