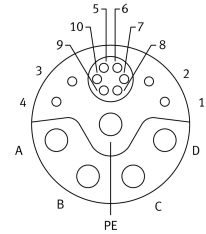


# Motor cable NEBM-M23G15-EH-7.5-Q9N-R3LEG14

Part number: 5251383

FESTO



## Data sheet

| Feature  | Value                            |
|--|----------------------------------|
| Based on standard                                    | EN 61984                         |
| Cable designation                                    | Without inscription label holder |
| Product weight                                       | 2850 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 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                              | 17.8 A                           |
| Immunity to surge                                    | 6 kV                             |
| Shielding  | yes                              |
| Cable length   | 7.5 m                            |
| Cable characteristic                                 | Suitable for energy chains       |
| Test conditions cable                                | Test conditions on request       |
| Bending radius, fixed cable                          | 51.2 mm                          |
| Bending radius, moving cable                         | 96 mm                            |
| Cable diameter                                       | 12.8 mm                          |
| Cable diameter tolerance                             | ± 0.3 mm                         |

| Feature                                      | Value  |
|--|--|
| Cable structure                              | 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 cross section conductor              | 0.15 mm <sup>2</sup><br>0.24 mm <sup>2</sup><br>0.75 mm <sup>2</sup><br>1.5 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   |
| 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   |