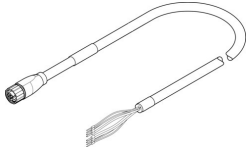


# Motor cable NEBM-M16G8-E-2.5-Q7-LE8-1

Part number: 5391541

FESTO



 General operating condition

## Data sheet

| Feature                                              | Value                                                                  |
|------------------------------------------------------|------------------------------------------------------------------------|
| Based on standard                                    | EN 61984                                                               |
| Cable designation                                    | Without inscription label holder                                       |
| Product weight                                       | 450 g                                                                  |
| Electrical connection 1, function                    | Field device side                                                      |
| Electrical connection 1, design                      | Round                                                                  |
| Electrical connection 1, connection type             | Socket                                                                 |
| Electrical connection 1, cable outlet                | Straight                                                               |
| Electrical connection 1, connector system            | M16x0.75                                                               |
| Electrical connection 1, number of connections/cores | 8                                                                      |
| Electrical connection 1, used connections/cores      | 6                                                                      |
| Electrical connection 1, connection pattern          | 00995654                                                               |
| Electrical connection 2, function                    | Controller side                                                        |
| Electrical connection 2, connection type             | Cable                                                                  |
| Electrical connection 2, connector system            | Open end                                                               |
| Electrical connection 2, number of connections/cores | 8                                                                      |
| Electrical connection 2, used connections/cores      | 6                                                                      |
| Operational voltage range DC                         | 0 V ... 600 V                                                          |
| Note on operational voltage range DC                 | 0 - 300 V for conductor cross section 0.25 mm <sup>2</sup>             |
| Operational voltage range AC                         | 0 V ... 600 V                                                          |
| Note on operational voltage range AC                 | 0 - 300 V for conductor cross section 0.25 mm <sup>2</sup>             |
| Current rating at 40° C                              | 12 A                                                                   |
| Note on permissible current load at 40°C             | 4 A for conductor cross section 0.25 mm <sup>2</sup>                   |
| Immunity to surge                                    | 6 kV                                                                   |
| Note on immunity to surge                            | 4 kV for conductor cross section 0.25 mm <sup>2</sup>                  |
| Shielding                                            | yes                                                                    |
| Cable length                                         | 2.5 m                                                                  |
| Cable characteristic                                 | Suitable for energy chains                                             |
| Bending radius, fixed cable                          | ≥55 mm                                                                 |
| Bending radius, moving cable                         | ≥110 mm                                                                |
| Cable diameter                                       | 11 mm                                                                  |
| Cable structure                                      | 4 x 0.75 mm <sup>2</sup> + 2 x (2 x 0.25 mm <sup>2</sup> )             |
| Nominal cross section conductor                      | 0.75 mm <sup>2</sup>                                                   |
| Wire ends                                            | Wire ferrule to DIN 46228-A...-10<br>Wire ferrule to DIN 46228-E...-10 |
| Degree of protection                                 | IP65                                                                   |
| Note on degree of protection                         | In assembled state                                                     |

| Feature                                      | Value                                                                 |
|----------------------------------------------|-----------------------------------------------------------------------|
| Ambient temperature                          | -50 °C ... 90 °C                                                      |
| Ambient temperature with moving cable        | -40 °C ... 90 °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                                                        |
| Pollution degree                             | 3                                                                     |
| Corrosion resistance class CRC               | 0 - No corrosion stress                                               |
| Material cable sheath                        | TPE-U(PUR)                                                            |
| Cable sheath colour                          | Orange                                                                |
| Material insulating sheath                   | TPE-E                                                                 |