

# Motor cable NEBM-L10G14-EH-5-Q6N-LE12

Part number: 8181667

FESTO



 General operating condition

## Data sheet

| Feature  | Value  |
|--|--|
| Based on standard                                    | EN 61984   |
| Cable designation                                    | Without inscription label holder   |
| Product weight                                       | 730 g  |
| Electrical connection 1, function                    | Field device side  |
| Electrical connection 1, design                      | Square   |
| Electrical connection 1, connection type             | Hybrid socket  |
| Electrical connection 1, cable outlet                | Straight   |
| Electrical connection 1, connector system            | Connection pattern L10   |
| Electrical connection 1, number of connections/cores | 14   |
| Electrical connection 1, used connections/cores      | 13   |
| Electrical connection 1, type of mounting            | Snap-locking   |
| Electrical connection 1, connection pattern          | 00997533   |
| Electrical connection 2, function                    | Control side   |
| Electrical connection 2, connection type             | Cable  |
| Electrical connection 2, cable outlet                | Straight   |
| Electrical connection 2, connector system            | Open end   |
| Electrical connection 2, number of connections/cores | 12   |
| Electrical connection 2, used connections/cores      | 12   |
| electrical connection 2, type of mounting            | Plugged in   |
| Electrical connection 2, connection pattern          | 00997534   |
| Operational voltage range DC                         | 0 V ... 48 V   |
| Current rating at 40° C                              | 7.6 A  |
| Immunity to surge                                    | 1.5 kV   |
| Shielding  | Yes  |
| Cable length   | 5 m  |
| Cable characteristic                                 | Suitable for energy chains   |
| Test conditions cable                                | Test conditions on request   |
| Bending radius, fixed cable                          | 42 mm  |
| Bending radius, moving cable                         | 78.75 mm   |
| Cable diameter                                       | 10.5 mm  |
| Cable diameter tolerance                             | ± 0.3 mm   |
| Cable structure                                      | 4 x 0.5 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup> + 6 x 0.15 mm <sup>2</sup> |
| Nominal cross section conductor                      | 0.5 mm <sup>2</sup>  |
| Wire ends  | Wire ferrule   |
| Degree of protection                                 | IP20   |
| Note on degree of protection                         | In mounted state   |

| <b>Feature</b>                               | <b>Value</b>                         |
|--|--------------------------------------|
| Ambient temperature                          | -40 °C ... 90 °C                     |
| Ambient temperature with moving cable        | -25 °C ... 80 °C                     |
| Overvoltage category                         | I                                    |
| CE mark (see declaration of conformity)      | In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions              |
| LABS (PWIS) conformity                       | VDMA24364 zone III                   |
| 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                                   |