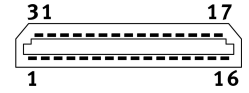


# Motor cable

## NEBM-SF1W31-EH-5-Q15N-LE28

Part number: 8113307

FESTO



## Data sheet

| Feature                                              | Value                                                             |
|------------------------------------------------------|-------------------------------------------------------------------|
| Conforms to standard                                 | DIN 47100                                                         |
| Cable designation                                    | Without label holder                                              |
| Contact durability                                   | 30                                                                |
| Product weight                                       | 1480 g                                                            |
| Electrical connection 1, function                    | Field device side                                                 |
| Electrical connection 1, design                      | Square                                                            |
| Electrical connection 1, connection type             | Plug                                                              |
| Electrical connection 1, cable outlet                | Angled                                                            |
| Electrical connection 1, information on cable outlet | 90°                                                               |
| Electrical connection 1, connection technology       | Connection pattern F1                                             |
| Electrical connection 1, number of pins/wires        | 31                                                                |
| Electrical connection 1, occupied pins/wires         | 31                                                                |
| Electrical connection 1, type of mounting            | Snap-locking                                                      |
| Electrical connection 2, function                    | Control side                                                      |
| Electrical connection 2, connection type             | Cable                                                             |
| Electrical connection 2, connection technology       | Open end                                                          |
| Electrical connection 2, number of pins/wires        | 28                                                                |
| Electrical connection 2, occupied pins/wires         | 28                                                                |
| DC operating voltage range                           | 0 V...50 V                                                        |
| Nominal operating voltage DC                         | 24 V                                                              |
| Current rating at 40° C                              | 0.5 A                                                             |
| Surge resistance                                     | 0.25 kV                                                           |
| Cable length                                         | 5 m                                                               |
| Cable characteristic                                 | Suitable for energy chains                                        |
| Connector cable test conditions                      | Test conditions on request                                        |
| Bending radius, fixed cable installation             | 49.5 mm                                                           |
| Bending radius, flexible cable installation          | 74.25 mm                                                          |
| Cable diameter                                       | 9.9 mm                                                            |
| Cable diameter tolerance                             | ± 0.2 mm                                                          |
| Cable design                                         | 1 x (6 x 0.35 mm <sup>2</sup> ) + 2 x (4 x 0.15 mm <sup>2</sup> ) |
| Nominal conductor cross section                      | 0.15 mm <sup>2</sup><br>0.35 mm <sup>2</sup>                      |

| Feature                                              | Value                        |
|------------------------------------------------------|------------------------------|
| Wire ends                                            | Wire ferrule                 |
| Degree of protection                                 | IP20                         |
| Note on degree of protection                         | In mounted state             |
| Ambient temperature                                  | -20 °C...75 °C               |
| Ambient temperature with flexible cable installation | -5 °C...70 °C                |
| Storage temperature                                  | -25 °C...55 °C               |
| CE marking (see declaration of conformity)           | As per EU RoHS directive     |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions      |
| LABS (PWIS) conformity                               | VDMA24364 Zone III           |
| Note on materials                                    | RoHS compliant               |
| Contamination level                                  | 1                            |
| Corrosion resistance class (CRC)                     | 1 - Low corrosion stress     |
| Material of cable sheath                             | TPE-U(PUR)                   |
| Color cable sheath                                   | Black                        |
| Housing material                                     | PA                           |
| Housing colour                                       | Black                        |
| Material of pin contacts                             | Tin-plated, high-alloy steel |