

# Motor cable NEBM-SF1W31-EH-5-Q15N-LE14

Part number: 8113308

FESTO



 General operating condition

## 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 end                                                  |
| Electrical connection 1, design                       | Rectangular                                                       |
| 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 diagram 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 for input 1, connection pattern | 00995929                                                          |
| 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         | 14                                                                |
| Electrical connection 2, occupied pins/wires          | 14                                                                |
| 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>                                              |
| Wire ends                                             | Cable end sleeve                                                  |
| Degree of protection                                  | IP20                                                              |
| Note on degree of protection                          | In mounted state                                                  |
| Ambient temperature                                   | -20 °C ... 75 °C                                                  |

| Feature                                              | Value                    |
|------------------------------------------------------|--------------------------|
| 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                             | Copper alloy, tin-plated |