

# Motor cable NEBM-F1W31-XC-0.5-F1N-DF1W31

Part number: 8079819

FESTO



## Data sheet

| Feature   | Value                      |
|---|----------------------------|
| Cable designation                                       | Without label holder       |
| Contact durability                                      | 30                         |
| Product weight  | 27 g                       |
| Electrical connection 1, function                       | Field device end           |
| Electrical connection 1, design                         | Rectangular                |
| Electrical connection 1, connection type                | Socket                     |
| 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 2, function                       | Control side               |
| Electrical connection 2, design                         | Rectangular                |
| Electrical connection 2, connection type                | Socket                     |
| Electrical connection 2, cable outlet                   | Angled                     |
| Electrical connection 2, note on cable outlet           | 90°                        |
| Electrical connection 2, connection technology          | Connection diagram F1      |
| Electrical connection 2, number of pins/wires           | 31                         |
| Electrical connection 2, occupied pins/wires            | 31                         |
| Electrical connection 2, type of mounting               | Snap-locking               |
| 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  | 0.5 m                      |
| Cable characteristic                                    | for dynamic applications   |
| Connector cable test conditions                         | Test conditions on request |
| Bending radius, fixed cable installation                | 0 mm                       |
| Information on bending radius, fixed cable installation | Can be bent once           |
| Bending radius, flexible cable installation             | 25 mm                      |

| <b>Feature</b>                                       | <b>Value</b>              |
|--|---------------------------|
| Cable design   | 31 wires, distance 0.5 mm |
| Nominal conductor cross section                      | 0.0105 mm <sup>2</sup>    |
| 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                             | PET                       |
| Color cable sheath                                   | Gray                      |
| Housing material                                     | PA                        |
| Housing colour                                       | Black                     |
| Material of pin contacts                             | Copper alloy, tin-plated  |