

# 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 inscription label holder                                  |
| Frequency of connection                              | 30                                                                |
| Product weight                                       | 1480 g                                                            |
| Electrical connection 1, function                    | Field device side                                                 |
| Electrical connection 1, design                      | Angular                                                           |
| Electrical connection 1, connection type             | Plugs                                                             |
| Electrical connection 1, cable outlet                | Angled                                                            |
| Electrical connection 1, note on cable outlet        | 90°                                                               |
| Electrical connection 1, connector system            | Connection pattern F1                                             |
| Electrical connection 1, number of connections/cores | 31                                                                |
| Electrical connection 1, used connections/cores      | 31                                                                |
| Electrical connection 1, type of mounting            | Snap-locking                                                      |
| Electrical connection 1, connection pattern          | 00995929                                                          |
| 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 | 14                                                                |
| Electrical connection 2, used connections/cores      | 14                                                                |
| Operational voltage range DC                         | 0 V ... 50 V                                                      |
| Nominal operating voltage DC                         | 24 V                                                              |
| Current rating at 40° C                              | 0.5 A                                                             |
| Immunity to surge                                    | 0.25 kV                                                           |
| Cable length                                         | 5 m                                                               |
| Cable characteristic                                 | Suitable for energy chains                                        |
| Test conditions cable                                | Test conditions on request                                        |
| Bending radius, fixed cable                          | ≥49.5 mm                                                          |
| Bending radius, moving cable                         | ≥74.25 mm                                                         |
| Cable diameter                                       | 9.9 mm                                                            |
| Cable diameter tolerance                             | ± 0.2 mm                                                          |
| Cable structure                                      | 1 x (6 x 0.35 mm <sup>2</sup> ) + 2 x (4 x 0.15 mm <sup>2</sup> ) |
| Nominal cross section conductor                      | 0.15 mm <sup>2</sup>                                              |
| Wire ends                                            | Wire ferrule                                                      |
| Degree of protection                                 | IP20                                                              |
| Note on degree of protection                         | In assembled state                                                |
| Ambient temperature                                  | -20 °C ... 75 °C                                                  |

| Feature                                      | Value                                |
|----------------------------------------------|--------------------------------------|
| Ambient temperature with moving cable        | -5 °C ... 70 °C                      |
| Storage temperature                          | -25 °C ... 55 °C                     |
| 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                       |
| Pollution degree                             | 1                                    |
| Corrosion resistance class CRC               | 1 - Low corrosion stress             |
| Material cable sheath                        | TPE-U(PUR)                           |
| Cable sheath colour                          | Black                                |
| Material housing                             | PA                                   |
| Housing colour                               | Black                                |
| Material electrical contact                  | Copper alloy, tin-plated             |