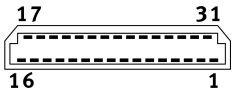
# Motor cable
# NEBM-F1W31-XC-0.2-F1N-DF1W31

Part number: 8113317






## Data sheet

| Feature | Value |
|---|---|
| Cable designation | Without label holder |
| Contact durability | 30 |
| Product weight | 11 g |
| Electrical connection 1, function | Field device side |
| Electrical connection 1, design | Square |
| 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 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, design | Square |
| 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 pattern 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 | 0.2 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 |

| Feature | Value |
|---|---|
| Cable design | 31 x 0.01 mm² |
| Nominal conductor cross section | 0.0105 mm² |
| 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 | Tin-plated, high-alloy steel |