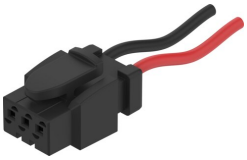
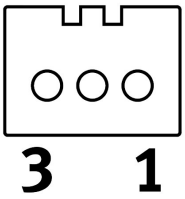
# Connecting cable
# NEBX-H1G3-KN-0.5-N-LE2-S6

Part number: 8229883






## Data sheet

| Feature | Value |
|---|---|
| Conforms to standard | EN 61984 |
| Intended use | The connecting cable connects field devices (sensors, actuators) with controllers. |
| Cable designation | Without inscription label holder |
| Frequency of connection | 50 |
| Electrical connection 1, function | Field device side |
| Electrical connection 1, design | Square |
| Electrical connection 1, connection type | Socket |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connector system | Plug pattern H |
| Electrical connection 1, number of connections/cores | 2 |
| Electrical connection 1, used connections/cores | 2 |
| Electrical connection 1, type of mounting | plugged in |
| Electrical connection 1, terminal allocation | Pin 1 = RD<br>Pin 3 = BK |
| Electrical connection 1, display | None |
| Electrical connection 2, function | Control side |
| Electrical connection 2, connection type | Cable |
| Electrical connection 2, connector system | Open end |
| Electrical connection 2, number of connections/cores | 2 |
| Operational voltage range DC | 0 V...60 V |
| Operational voltage range AC | 0 V...48 V |
| Current rating at 40° C | 2 A |
| Note on permissible current load at 40°C | Observe derating |
| Immunity to surge | 1.5 kV |
| Cable length | 0.5 m |
| Cable characteristic | Standard |
| Test conditions cable | Energy chain: > 5 million cycles, bending radius 28 mm |
| Notes on test conditions cable | Tested at 23°C |

| Feature | Value |
|---|---|
| Bending radius, fixed cable | 12 mm |
| Bending radius, moving cable | 39 mm |
| Cable diameter | 3.8 mm |
| Cable structure | 2 x 0.25 mm² |
| Nominal cross section conductor | 0.25 mm² |
| Wire ends | Cut off bluntly |
| Degree of protection | IP40 |
| Note on degree of protection | In mounted state |
| Special characteristics | Hydrolysis-resistant<br>Resistant to cooling lubricants<br>Resistant to microbes<br>Oil-resistant |
| Ambient temperature | -40 °C...85 °C |
| Ambient temperature with moving cable | -20 °C...85 °C |
| Storage temperature | -25 °C...55 °C |
| Note on storage temperature | Temporarily during transport in packaging -40 ... 85 °C |
| Relative air humidity | Max. 93% at 40 °C |
| Nominal altitude of use | <= 2000 m NHN |
| Overvoltage category | II |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Note on materials | CFC-free<br>Cadmium-free<br>Free of halogen<br>Free of phosphoric acid ester |
| Pollution degree | 3 |
| Note on the contamination level | In mounted state |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath colour | Grey |
| Material housing | TPE-U(PUR) |
| Housing colour | Black |
| Material electrical contact | Tin-plated copper alloy |
| Material insulating sheath | PVC |