

Basic features

Approval/Conformity	CE EAC WEEE RoHS
Use	for magnetic encoder BML BML SL1

Electrical connection

Bending radius min., fixed cable	7.5 x D
Bending radius min., flexible cable	15 x D
Cable diameter D	5 mm ±0.20 mm
Cable length L	5 cm, 100 cm
Cable, bending cycles min.	100 000
Conductor cross-section	0.08 mm ²
Connection 1	D-Sub-Female, Straight, 9-pin
Connection 2	D-Sub-Male, Straight, 9-pin
Connection 3	open cable end-Leads, 3-pin
Connection type	5 cm 100 cm, PUR
Connector configuration	Straight 2x
Number of conductors	12

Electrical data

Operating voltage U_b	10...30 VDC
Rated current (40 °C)	0.5 A

Environmental conditions

Cable temperature, drag chain	-25...80 °C
Cable temperature, fixed routing	-25...80 °C
Cable temperature, flexible routing	-25...80 °C
IP rating	IP20

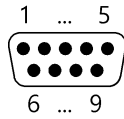
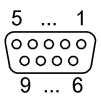
Material

Material contact carrier	PBT/PBT
Material contacts	Copper alloy/Copper alloy nickel plated/Die-cast zinc nickel plated
Material grip	Die-cast zinc nickel plated
Material jacket	PUR, Shielded

Remarks

External voltage supply on additional leads (brown: 10 - 30 VDC / blue: GND / black
Flame resistance per UL 94 V0
Halogen-free
Silicone-free
UV resistant

Connector Drawings



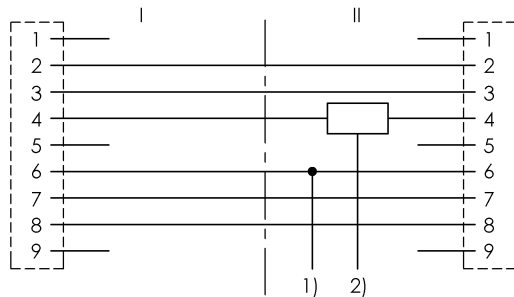
I

- PIN 1: n.c.
- PIN 2: green
- PIN 3: yellow
- PIN 4: red
- PIN 5: n.c.
- PIN 6: blue
- PIN 7: pink
- PIN 8: gray
- PIN 9: n.c.

II

- PIN 1: n.c.
- PIN 2: green
- PIN 3: yellow
- PIN 4: brown
- PIN 5: n.c.
- PIN 6: blue
- PIN 7: pink
- PIN 8: gray
- PIN 9: n.c.

Wiring Diagrams



- 1) Blue: GND
- 2) Brown: 10-30 VDC