

M8

0810 ... 0...

Actuator/Sensor Cordsets M8



Actuator/sensor cordset with overmolded connector

Cable end 1:

M8 male, straight, A-coded, IP67

Cable end 2:

blunt cut

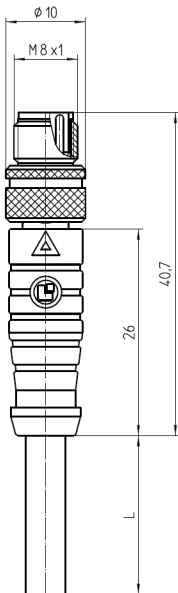
Cable:

PVC, black

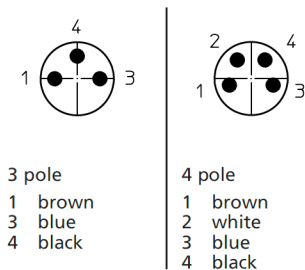
Approvals:



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Pin assignments for male M8 connectors, A-coded



Environmental conditions

Temperature range -25 °C/+80 °C

Materials

Insulating body TPU GF, HB according to UL94
 Contact pin CuZn, pre-nickel and gold-plated
 Overmolding/handle PVC, HB according to UL94
 Knurled screw CuZn, nickel-plated

Mechanical data

Mating cycles ≥ 100
 Insertion force $\leq 23 \text{ N}^1$
 Withdrawal force $\leq 23 \text{ N}^1$
 Protection class IP67²

¹ measured with a proper counterpart

² according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

Connected cable

Construction PVC, black

Electrical data (at T_{amb} 20 °C)

Contact resistance $\leq 10 \text{ m}\Omega$
 Rated current 4 A (T_{amb} 40 °C)
 Rated voltage 50 V AC/60 V DC (with pollution degree 3)
 Rated impulse voltage 1,5 kV
 Material group I (IEC)/0 (UL) (CTI = 600)
 Insulation resistance > 100 M Ω

Associated products

Counterparts

- | | | |
|--------------------|----------------------|-------------------------|
| ☞ 0800 ... 0... | ☞ 0800 ... 3... | ☞ 0800F1 ... 0... |
| ☞ 0800F1 ... 3... | ☞ 0805 ... 0... | ☞ 0805F1 ... 0... |
| ☞ 0806 ... L1 0... | ☞ 0806 ... L1 3... | ☞ 0820 ... T8CW ... |
| ☞ 0821 ... T10CP | ☞ 1210 0800 ... 3... | ☞ 1210 0806 ... L1 3... |
| ☞ 5000 04L1 3... | ☞ 5000 08L1 3... | ☞ 5000 10L1 3... |
| ☞ 5012 04L1 | ☞ 5012 08L1 | ☞ 5012 10L1 |

Accessories

- ☞ 9908 CPMO



THE VITAL COMPONENT

M8

0810 ... 0...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0810 04 002 2m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	5	10	2000
0810 04 002 5m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	1	10	5000

Packaging:
in a plastic bag