

M8

0806 ... L1 0...

## Cordsets M8



Actuator/sensor cordset with overmolded connector

**Cable end 1:**

M8 female, angled, with LED L1, A-coded, IP67

**Cable end 2:**

blunt cut

**Cable:**

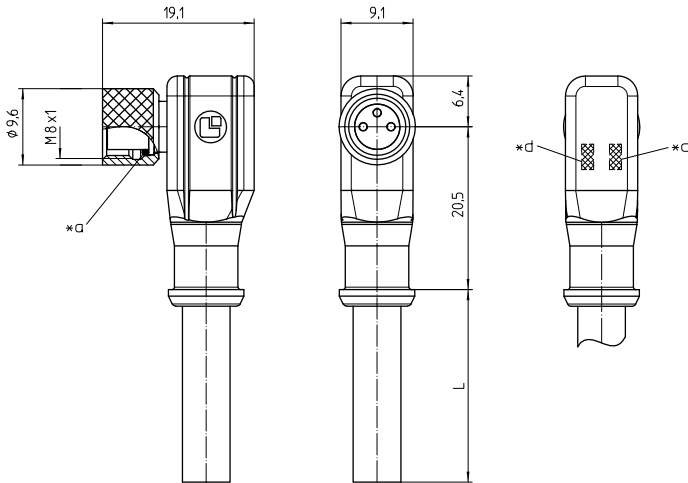
PVC, black

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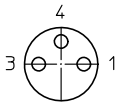
Approvals:



**M8**      **0806 ... L1 0...**

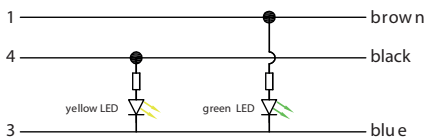


Pin assignment for female M8 connectors, A-coded, front view



- 3 pole
- 1 brown
- 3 blue
- 4 black

Connection diagram (PNP, normally open)



- \*a O-ring gasket
- \*c function indicator yellow
- \*d operation indicator green

**Environmental conditions**

Temperature range                      -25 °C/+80 °C

**Materials**

Insulating body	TPU GF, HB according to UL94
Contact bush	CuZn, pre-nickel and gold-plated
Overmolding/handle	PVC, HB according to UL94
Knurled nut	CuZn, nickel-plated
Seal	FKM

**Mechanical data**

Mating cycles	≥ 100
Insertion force	≤ 23 N <sup>1</sup>
Withdrawal force	≤ 23 N <sup>1</sup>
Protection class	IP67 <sup>2</sup>

<sup>1</sup> measured with a proper counterpart

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

**Connected cable**

Outer jacket                              PVC, black

**Electrical data (at T<sub>amb</sub> 20 °C)**

Contact resistance	≤ 10 mΩ
Rated current	4 A (T <sub>amb</sub> 40 °C)
Rated voltage	10–30 V DC (with pollution degree 3)
Rated impulse voltage	1,5 kV
Material group	I (IEC)/0 (UL) (CTI = 600)
Insulation resistance	> 100 MΩ

**Associated products**

Counterparts

☞ 0810 ... 0...	☞ 0810 ... 3...	☞ 0810 0800 ... 0...
☞ 0810 0800 ... 3...	☞ 0810 0805 ... 3...	☞ 0815 ... 0...
☞ 0815 ... 3...	☞ 0830 ... T8CW ...	☞ 0831 ... T10CP
☞ 0831 ... T8CW ...	☞ 0832 ...S9 T8CP	☞ 6157 8055 S06 16W
☞ 6157 8055 S09 24W		

Accessories

☞ 9908 CPF0

M8

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0806 03 L1 001 2m	3	PVC, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910001, UL-style 2464	5	10	2000
0806 03 L1 001 5m	3	PVC, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910001, UL-style 2464	1	10	5000

**Packaging:**  
in a plastic bag