

M8 0806 ... L1 3...

Actuator/Sensor 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:

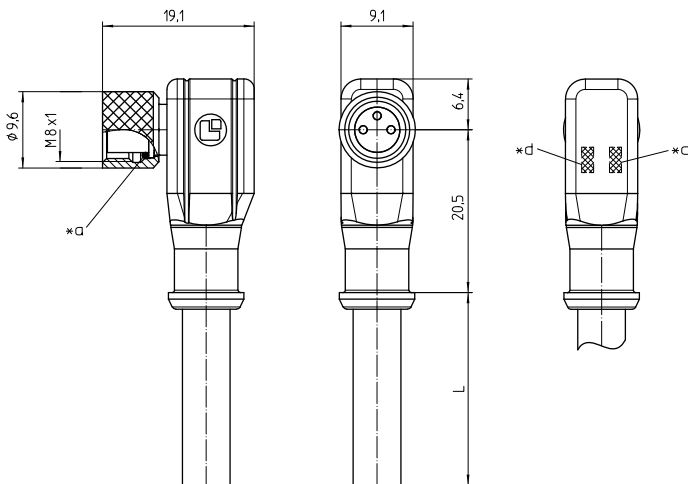
PUR, black

Approvals:

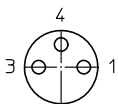


M8

0806 ... L1 3...

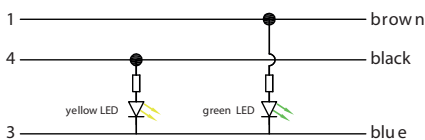


Pin assignment for female M8 connectors, A-coded, front view



- 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	TPU, HB according to UL94
Knurled nut	CuZn, nickel-plated
Seal	FKM

Mechanical data

Mating cycles	≥ 100
Insertion force	≤ 23 N ¹
Withdrawal force	≤ 23 N ¹
Protection class	IP67 ²

¹ measured with a proper counterpart

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

Connected cable

Construction PUR, black

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 10 mΩ
Rated current	4 A (T _{amb} 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 ... T8CP	☞ 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 300 2m	3	PUR, black, 3 x 0.34 mm ² (AWG 22), 910300, UL-style 20549	5	10	2000
0806 03 L1 300 5m	3	PUR, black, 3 x 0.34 mm ² (AWG 22), 910300, UL-style 20549	1	10	5000

Packaging:
in a plastic bag