

M8

0800 ... 3...

## Actuator/Sensor Cordsets M8



Actuator/sensor cordset with overmolded connector

**Cable end 1:**

M8 female, straight, A-coded, IP67

**Cable end 2:**

blunt cut

**Cable:**

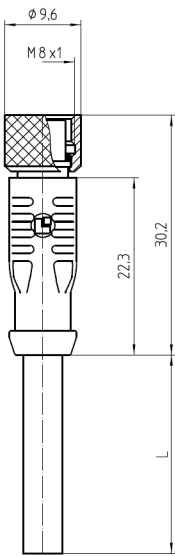
PUR, black

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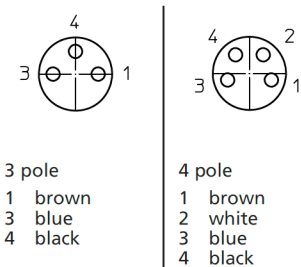
Approvals:



M8 0800 ... 3...



Pin assignments for female M8 connectors, A-coded



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 <sup>1</sup>
Knurled nut	CuZn, nickel-plated
Seal	FKM

<sup>1</sup> material halogen-free

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

Construction PUR, 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	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 MΩ

Associated products

Counterparts

- ☞ 0810 ... 0...      ☞ 0810 0800 ... 3...      ☞ 0810 0805 ... 3...
- ☞ 0810 0806 ... L13...      ☞ 0830 ... T8CW ...      ☞ 0831 ... T10CP
- ☞ 6157 8055 S01 4W      ☞ 6157 8055 S03 8W      ☞ 6157 8055 S06 16W
- ☞ 6157 8055 S09 24W

Accessories

- ☞ 9908 CPF0



THE VITAL COMPONENT

M8

0800 ... 3...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0800 03 300 2m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	5	10	2000
0800 03 300 5m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	1	10	5000
0800 04 301 2m	4	PUR, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910301, UL-style 20549	1	10	2000
0800 04 301 5m	4	PUR, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910301, UL-style 20549	1	10	5000

**Packaging:**  
in a plastic bag