

M8

0810 ... 3...

## 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:**

PUR, black

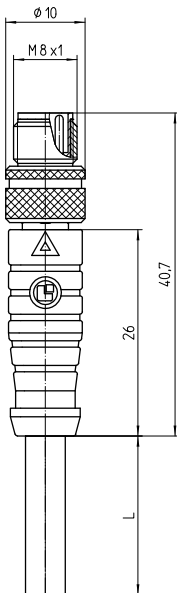
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Approvals:

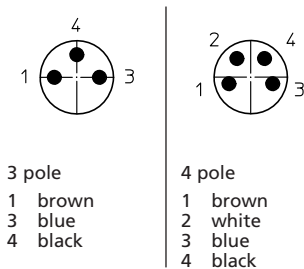


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Pin assignment for male M8 connectors, A-coded, front view



**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	TPU, HB according to UL94
Knurled screw	CuZn, nickel-plated

**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

- |   |                                    |                                      |
|---|------------------------------------|--------------------------------------|
| <a href="#">☞ 0800 ... 0...</a>         | <a href="#">☞ 0800 ... 3...</a>    | <a href="#">☞ 0800F1 ... 0...</a>    |
| <a href="#">☞ 0800F1 ... 3...</a>       | <a href="#">☞ 0805 ... 0...</a>    | <a href="#">☞ 0805F1 ... 0...</a>    |
| <a href="#">☞ 0806 ... L1 0...</a>      | <a href="#">☞ 0806 ... L1 3...</a> | <a href="#">☞ 0820 ... T8CW ...</a>  |
| <a href="#">☞ 0821 ... T10CP</a>        | <a href="#">☞ 0822 ...S9 T8CP</a>  | <a href="#">☞ 1210 0800 ... 3...</a> |
| <a href="#">☞ 1210 0806 ... L1 3...</a> | <a href="#">☞ 5000 04L1 3...</a>   | <a href="#">☞ 5000 08L1 3...</a>     |
| <a href="#">☞ 5000 10L1 3...</a>        | <a href="#">☞ 5000 12L1 3...</a>   | <a href="#">☞ 5012 04L1</a>          |
| <a href="#">☞ 5012 08L1</a>             | <a href="#">☞ 5012 10L1</a>        |                                      |

Accessories

- [☞ 9908 CPM0](#)

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0810 03 300 2m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	5	10	2000
0810 03 300 5m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	1	10	5000
0810 04 301 1m	4	PUR, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910301, UL-style 20549	5	10	1000
0810 04 301 2m	4	PUR, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910301, UL-style 20549	5	10	2000

**Packaging:**  
in a plastic bag