

M8

0800 ... 3...

## Cordsets M8



Actuator/sensor cordset with overmolded connector

**Cable end 1:**

M8 female, straight, A-coded, IP67

**Cable end 2:**

blunt cut

**Cable:**

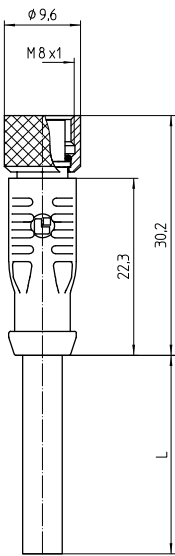
PUR, black

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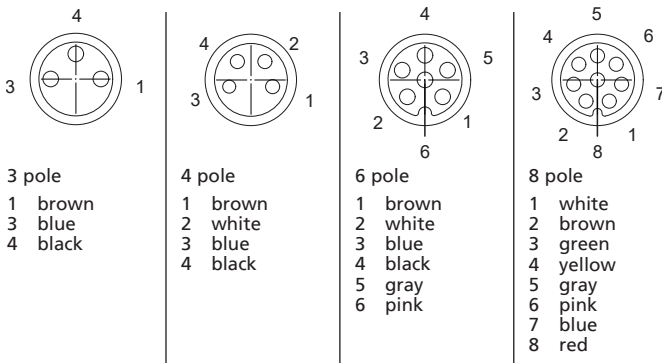
Approvals:



**M8** 0800 ... 3...



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



**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**

Outer jacket PUR, black

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

Contact resistance ≤ 10 mΩ  
 Rated current 4 A (3-4 poles)  
 1.5 A (6-8 poles)  
 (T<sub>amb</sub> 40 °C)  
 Rated voltage 48 V AC/60 V DC (3-4 poles)  
 32 V AC/DC (6-8 poles)  
 (with pollution degree 3)  
 Rated impulse voltage 1.5 kV (3-4 poles)  
 0.8 kV (6-8 poles)  
 Material group I (IEC)/0 (UL) (CTI = 600)  
 Overvoltage category III  
 Insulation resistance > 100 MΩ

**Associated products**

- Counterparts
- |                         |                         |                      |
|-------------------------|-------------------------|----------------------|
| ☞ 0810 ... 0...         | ☞ 0810 ... 3...         | ☞ 0810 0800 ... 0... |
| ☞ 0810 0800 ... 3...    | ☞ 0810 0800 ... 3... sp | ☞ 0810 0805 ... 3... |
| ☞ 0810 0806 ... L1 3... | ☞ 0815 ... 0...         | ☞ 0815 ... 3...      |
| ☞ 0815 0805 ... 3...    | ☞ 0815 0805 ... 3... sp | ☞ 0830 ... T8CW ...  |
| ☞ 0831 ... T10CP        | ☞ 0831 ... T8CW ...     | ☞ 0832 ...S9 T8CP    |

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[6157 8055 S01 4W](#) [6157 8055 S03 8W](#) [6157 8055 S06 16W](#)  
[6157 8055 S09 24W](#)

Accessories  
[9908 CPF0](#)

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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
0800 06 337 1m	6	PUR, black, 6 x 0.25 mm <sup>2</sup> (AWG 24), 910337, UL-style 20549	5	10	1000
0800 06 337 2m	6	PUR, black, 6 x 0.25 mm <sup>2</sup> (AWG 24), 910337, UL-style 20549	5	10	2000
0800 06 337 5m	6	PUR, black, 6 x 0.25 mm <sup>2</sup> (AWG 24), 910337, UL-style 20549	1	10	5000
0800 08 331 1m	8	PUR, black, 8 x 0.14 mm <sup>2</sup> (AWG 26), 910331, UL-style 20549	5	10	1000
0800 08 331 2m	8	PUR, black, 8 x 0.14 mm <sup>2</sup> (AWG 26), 910331, UL-style 20549	5	10	2000
0800 08 331 5m	8	PUR, black, 8 x 0.14 mm <sup>2</sup> (AWG 26), 910331, UL-style 20549	1	10	5000

**Packaging:**  
in a plastic bag