

M8

0810 0800 ... 3...

## Actuator/Sensor Cordsets M8



Actuator/sensor cordset with overmolded connectors

**Cable end 1:**

M8 male, straight, A-coded, IP67

**Cable end 2:**

M8 female, straight, A-coded, IP67

**Cable:**

PUR, black

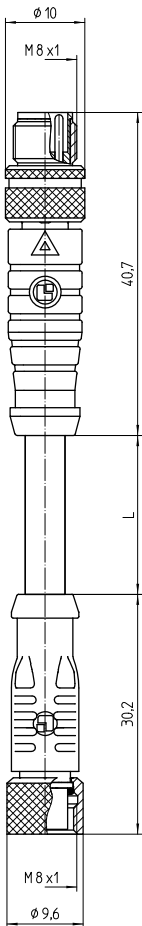
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Approvals:

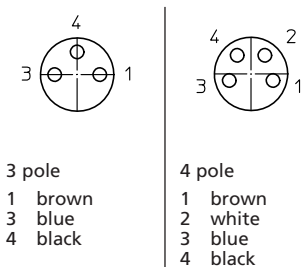


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0810 0800 ... 3...



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
Contact pin	CuZn, pre-nickel and gold-plated
Overmolding/handle	TPU <sup>1</sup>
Knurled screw	CuZn, nickel-plated
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> gemessen mit einem passenden Gegenstück

<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 (at pollution degree 3)
Rated impulse voltage	1,5 kV
Material group	I (IEC)/0 (UL) (CTI = 600)
Insulation resistance	> 100 MΩ

### Associated products

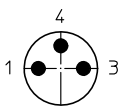
#### Counterparts

☞ 0800 ... 0...	☞ 0800 ... 3...	☞ 0800F1 ... 0...
☞ 0800F1 ... 3...	☞ 0805 ... 0...	☞ 0805 ... 3...
☞ 0805F1 ... 0...	☞ 0806 ... L1 0...	☞ 0806 ... L1 3...
☞ 0820 ... T8CW ...	☞ 0821 ... T10CP	☞ 0822 ...S9 T8CP
☞ 1210 0800 ... 3...	☞ 1210 0806 ... L1 3...	☞ 5000 04L1 3...
☞ 5000 08L1 3...	☞ 5000 10L1 3...	☞ 5000 12L1 3...

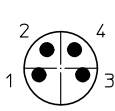
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Pin assignments for male M8 connectors, A-coded, front view



- 3 pole  
1 brown  
3 blue  
4 black



- 4 pole  
1 brown  
2 white  
3 blue  
4 black

- [5012 04L1](#)      [5012 08L1](#)      [5012 10L1](#)
- [6157 8055 S01 4W](#)    [6157 8055 S03 8W](#)    [6157 8055 S06 16W](#)
- [6157 8055 S09 24W](#)

Accessories

- [9908 CPFO](#)      [9908 CPM0](#)

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0810 0800 03 300 0,3m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	5	10	300
0810 0800 03 300 0,6m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	5	10	600
0810 0800 03 300 1m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	5	10	1000
0810 0800 03 300 1,5m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	5	10	1500
0810 0800 03 300 2m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	5	10	2000
0810 0800 04 301 0,6m	4	PUR, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910301, UL-style 20549	5	10	600
0810 0800 04 301 1,5m	4	PUR, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910301, UL-style 20549	5	10	1500
0810 0800 04 301 2m	4	PUR, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910301, UL-style 20549	5	10	2000
0810 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