

M8

0800F1 ... 0...

## Cordsets M8



Actuator/sensor cordset with overmolded connector

**Cable end 1:**

M8 female, straight, with snap joint, A-coded, IP65

**Cable end 2:**

blunt cut

**Cable:**

PVC, black

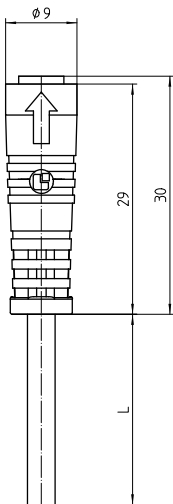
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Approvals:

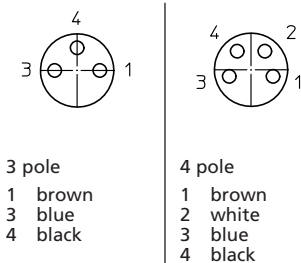


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Pin assignments for female M8 connectors, A-coded, front view



**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 PVC, HB according to UL94

**Mechanical data**

Mating cycles  $\geq 100$   
 Insertion force  $\leq 23 \text{ N}^1$   
 Withdrawal force  $\leq 23 \text{ N}^1$   
 Protection class IP65<sup>2</sup>

<sup>1</sup> measured with a proper counterpart

<sup>2</sup> according to IEC DIN EN 60529, only in mated condition with an appropriate counterpart

**Connected cable**

Outer jacket PVC, black

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

Contact resistance  $\leq 10 \text{ m}\Omega$   
 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 M $\Omega$

**Associated products**

Counterparts

- |                                      |                                      |   |
|--------------------------------------|--------------------------------------|---|
| <a href="#">☞ 0810 ... 0...</a>      | <a href="#">☞ 0810 ... 3...</a>      | <a href="#">☞ 0810 0800 ... 0...</a>    |
| <a href="#">☞ 0810 0800 ... 3...</a> | <a href="#">☞ 0810 0805 ... 3...</a> | <a href="#">☞ 0810 0806 ... L1 3...</a> |
| <a href="#">☞ 0815 ... 0...</a>      | <a href="#">☞ 0815 ... 3...</a>      | <a href="#">☞ 0830 ... T8CW ...</a>     |
| <a href="#">☞ 0831 ... T10CP</a>     | <a href="#">☞ 0831 ... T8CW ...</a>  | <a href="#">☞ 0832 ...S9 T8CP</a>       |
| <a href="#">☞ 6157 8055 S01 4W</a>   | <a href="#">☞ 6157 8055 S03 8W</a>   | <a href="#">☞ 6157 8055 S06 16W</a>     |
| <a href="#">☞ 6157 8055 S09 24W</a>  |                                      |   |

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0800F1 04 002 2m	4	PVC, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910002, UL-style 2464	5	10	2000
0800F1 04 002 5m	4	PVC, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910002, UL-style 2464	1	10	5000
0800F1 04 002 10m	4	PVC, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910002, UL-style 2464	1	10	10000

**Packaging:**  
in a plastic bag