

M12

1210 0800 ... 3...

## Actuator/Sensor Cordsets M12



Actuator/sensor cordset with overmolded connectors

**Cable end 1:**

M12 male, straight, A-coded, IP67

**Cable end 2:**

M8 female, straight, A-coded, IP67

**Cable:**

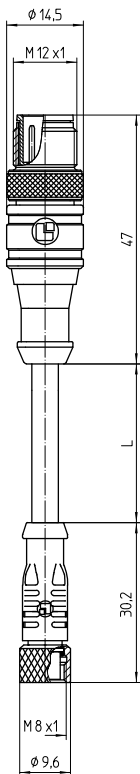
PUR, black

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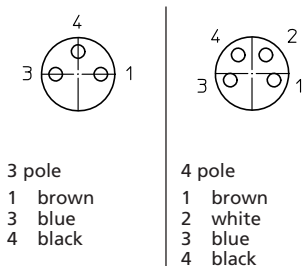
Approvals:



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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  
Protection class IP67<sup>1</sup>

<sup>1</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                     |
| Rated impulse voltage | 1500 V (3 poles)<br>800 V (4 poles) |
| Material group        | I (IEC)/0 (UL) (CTI = 600)          |
| Insulation resistance | > 100 MΩ                            |

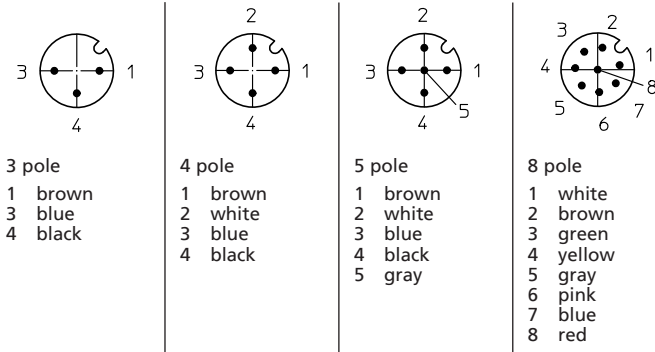
**Associated products**

Counterparts

|                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| ☞ 0810 ... 0...         | ☞ 0810 ... 3...         | ☞ 0810 0800 ... 0...    |
| ☞ 0810 0800 ... 3...    | ☞ 0810 0805 ... 3...    | ☞ 0810 0806 ... L1 3... |
| ☞ 0815 ... 0...         | ☞ 0815 ... 3...         | ☞ 0830 ... T8CW ...     |
| ☞ 0831 ... T10CP        | ☞ 0831 ... T8CW ...     | ☞ 0832 ...S9 T8CP       |
| ☞ 1200 ... 0...         | ☞ 1205 ... 0...         | ☞ 1205 ... 3...         |
| ☞ 1206 ... L1 0...      | ☞ 1206 ... L1 3...      | ☞ 1206 ... L2 0...      |
| ☞ 1206 ... L2 3...      | ☞ 1210 1200 ... 0...    | ☞ 1220 ... T16CW ...    |
| ☞ 1220 ... T20CW100 ... | ☞ 1220 ... T20CW101 ... | ☞ 1220 ... T20CW102 ... |
| ☞ 1220 ... T20CW103 ... | ☞ 1220 ... T20CW104 ... | ☞ 1220 ... T20CW105 ... |

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Pin assignments for male M12 connectors, A-coded, front view



- |   |                                     |                                     |
|---|-------------------------------------|-------------------------------------|
| <a href="#">☞ 1221 ... T16CW100 ...</a> | <a href="#">☞ 1221 ... T9CP</a>     | <a href="#">☞ 1240 ... T...CR</a>   |
| <a href="#">☞ 1245 ... T9CR</a>         | <a href="#">☞ 5500 04DL1 3...</a>   | <a href="#">☞ 5500 04L1 3...</a>    |
| <a href="#">☞ 5500 08DL1 3...</a>       | <a href="#">☞ 5500 08L1 3...</a>    | <a href="#">☞ 5512 04DL1</a>        |
| <a href="#">☞ 5512 04L1</a>             | <a href="#">☞ 5512 08L1</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> |

Accessories

- |                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| <a href="#">☞ 9908 CPF0</a> | <a href="#">☞ 9912 CPM0</a> | <a href="#">☞ 9912 MRBU</a> |
| <a href="#">☞ 9912 MRGN</a> | <a href="#">☞ 9912 MRRD</a> | <a href="#">☞ 9912 MRWH</a> |
| <a href="#">☞ 9912 MRYE</a> |                             |                             |

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| Designation           | Pole Number | Connected Cable   | PU (Pieces) | MDQ (Pieces) | Dimensions<br>L (mm) |
|-----------------------|-------------|---|-------------|--------------|----------------------|
| 1210 0800 03 300 0,6m | 3           | PUR, black, 3 x 0.34 mm <sup>2</sup><br>(AWG 22),<br>910300, UL-style 20549 | 5           | 10           | 600                  |

**Packaging:**  
in a plastic bag