

M12

1210 ... 3...

## Actuator/Sensor Cordsets M12



Actuator/sensor cordset with overmolded connector

**Cable end 1:**

M12 male, straight, A-coded, IP67

**Cable end 2:**

blunt cut

**Cable:**

PUR, black

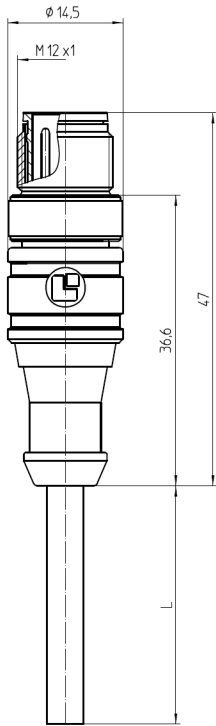
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Approvals:



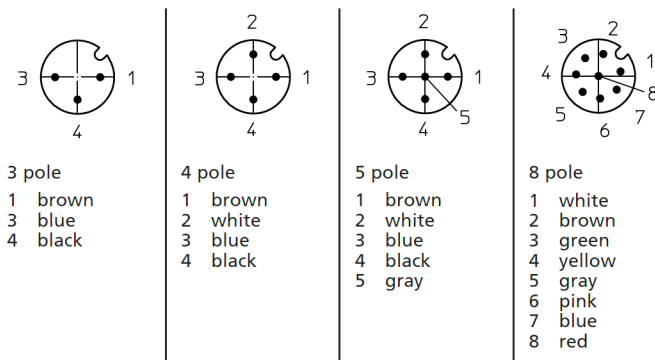
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Pin assignments for male M12 connectors, A-coded

Pin assignment for male M12 connectors, A-coded



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<sup>1</sup>  
 Knurled screw CuZn, nickel-plated

<sup>1</sup> material halogen-free

Mechanical data

Mating cycles ≥ 100  
 Insertion force ≤ 10 N<sup>1</sup>  
 Withdrawal force ≤ 15 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 250 V (with pollution degree 3)  
 Rated impulse voltage 2,5 kV  
 Material group I (IEC)/0 (UL) (CTI = 600)  
 Insulation resistance > 100 MΩ

Associated products

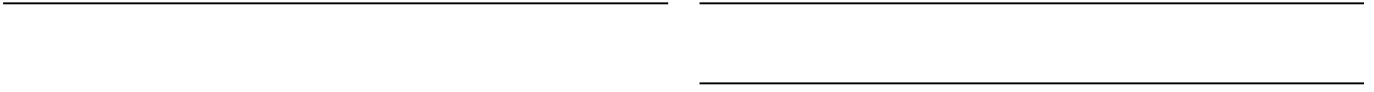
Counterparts		
☞ 1200 ... 0...	☞ 1200 ... 3...	☞ 1205 ... 0...
☞ 1205 ... 3...	☞ 1206 ... L1 0...	☞ 1206 ... L1 3...
☞ 1210 1200 ... 0...	☞ 1210 1200 ... 3...	☞ 1210 1205 ... 3...
☞ 1210 1206 ... L1 0...	☞ 1210 1206 ... L1 3...	☞ 1220 ... T16CW ...
☞ 1221 ... T9CP	☞ 5500 04DL1 3...	☞ 5500 04L1 3...
☞ 5500 08DL1 3...	☞ 5500 08L1 3...	☞ 5512 04DL1
☞ 5512 04L1	☞ 5512 08L1	

Accessories

☞ 9912 CPM0

M12

1210 ... 3...





THE VITAL COMPONENT

M12

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1210 04 301 2m	4	PUR, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), 910301, UL-style 20549	5	10	2000
1210 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