

M12

1210 ... 0...

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:

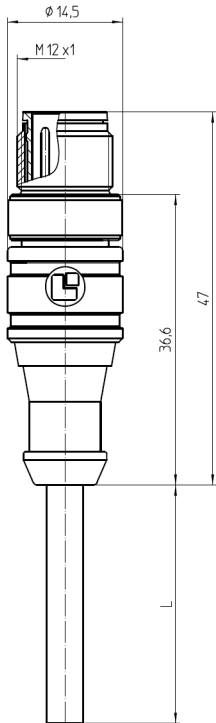
PVC, black

Approvals:



M12

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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 PVC, HB according to UL94
Knurled screw CuZn, nickel-plated

Mechanical data

Mating cycles ≥ 100
Insertion force $\leq 10 \text{ N}^1$
Withdrawal force $\leq 15 \text{ N}^1$
Protection class IP67²

¹ measured with a proper counterpart

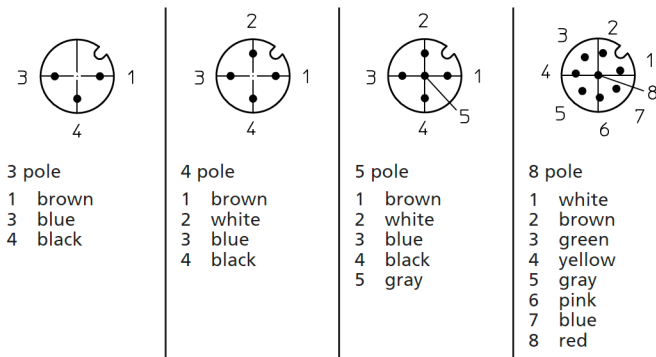
² according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

Connected cable

Construction PVC, black

Pin assignments for male M12 connectors, A-coded

Pin assignment for male M12 connectors, A-coded



Electrical data (at T_{amb} 20 °C)

Contact resistance $\leq 10 \text{ m}\Omega$
Rated current 4 A (T_{sub>amb} > 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 M Ω</sub>

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

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1210 04 002 2m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	5	10	2000
1210 04 002 5m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	1	10	5000
1210 04 002 10m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	1	10	10000

Packaging:
in a plastic bag