

M12 1200 ... 3...

Actuator/Sensor Cordsets M12



Actuator/sensor cordset with overmolded connector

Cable end 1:

M12 female, straight, A-coded, IP67

Cable end 2:

blunt cut

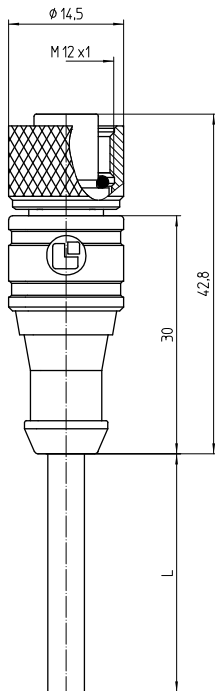
Cable:

PUR, black

Approvals: 

M12

1200 ... 3...



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	TPU ¹
Knurled nut	CuZn, nickel-plated
Seal	FKM

¹ material halogen-free

Mechanical data

Mating cycles	≥ 100
Insertion force	≤ 10 N ¹
Withdrawal force	≤ 15 N ¹
Protection class	IP67 ²

¹ measured with a proper counterpart

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

Connected cable

Construction PUR, black

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 10 mΩ
Rated current	4 A (T _{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 MΩ

Associated products

Counterparts

☞ 1210 ... 0...	☞ 1210 ... 3...	☞ 1210 1200 ... 0...
☞ 1210 1200 ... 3...	☞ 1210 1205 ... 3...	☞ 1210 1206 ... L1 0...
☞ 1210 1206 ... L1 3...	☞ 1210 1206 ... L2 0...	☞ 1210 1206 ... L2 3...
☞ 1230 ... T16CW ...	☞ 1231 ... T9CP	☞ 5012 04L1
☞ 5012 08L1	☞ 5012 10L1	☞ 5512 04DL1
☞ 5512 04L1	☞ 5512 08L1	

Accessories

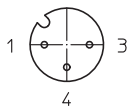
☞ 9912 CPFO

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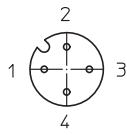
Pin assignments for female M12 connectors, A-coded

Pin assignment for female M12 connectors, A-coded



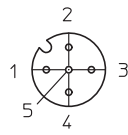
3 pole

- 1 brown
- 3 blue
- 4 black



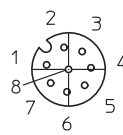
4 pole

- 1 brown
- 2 white
- 3 blue
- 4 black



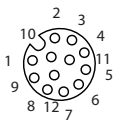
5 pole

- 1 brown
- 2 white
- 3 blue
- 4 black
- 5 gray



8 pole

- 1 white
- 2 brown
- 3 green
- 4 yellow
- 5 gray
- 6 pink
- 7 blue
- 8 red



12 pole

- 1 white
- 2 green
- 3 yellow
- 4 gray
- 5 pink
- 6 red
- 7 black
- 8 violet
- 9 gray/pink
- 10 red/blue
- 11 blue
- 12 brown

M12

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1200 04 301 1m	4	PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549	5	10	1000
1200 04 301 2m	4	PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549	5	10	2000
1200 04 301 5m	4	PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549	1	10	5000
1200 12 315 5m	12 cULus pending	PUR, black, 12 x 0.25 mm ² (AWG 24), 910315, UL-style 20549	1	10	5000

Packaging:
in a plastic bag