

M12 1210 1200 ... 3...

Actuator/Sensor Cordsets M12



Actuator/sensor cordset with overmolded connectors

Cable end 1:

M12 male, straight, A-coded, IP67

Cable end 2:

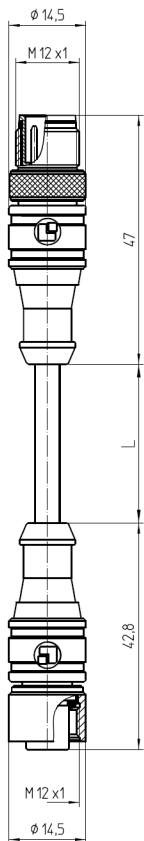
M12 female, straight, A-coded, IP67

Cable:

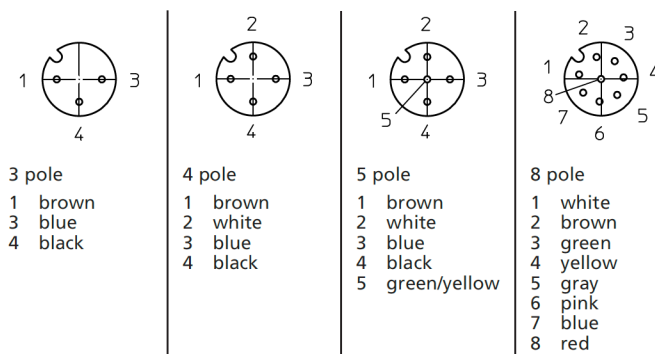
PUR, black

Approvals:  pending

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Pin assignments for female M12 connectors, A-coded



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 ¹
Knurled screw	CuZn, nickel-plated
Knurled nut	CuZn, nickel-plated
Seal	FKM

¹ material halogen-free

Mechanical data

Mating cycles	≥ 100
Insertion force	≤ 23 N ¹
Withdrawal force	≤ 23 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	50 V (with pollution degree 3)
Rated impulse voltage	1,5 kV
Material group	I (IEC)/0 (UL) (CTI = 600)
Insulation resistance	> 100 MΩ

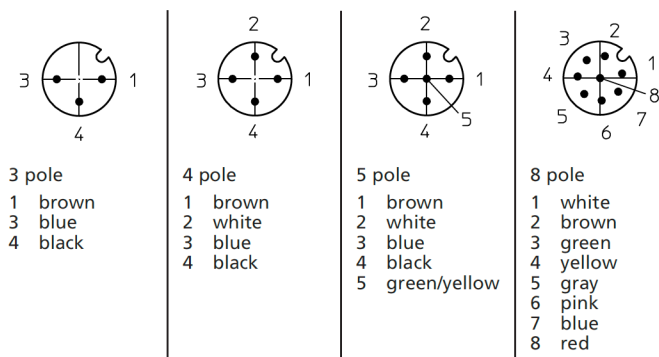
Associated products

Counterparts

↗ 1200 ... 0...	↗ 1200 ... 3...	↗ 1205 ... 0...
↗ 1205 ... 3...	↗ 1206 ... L1 0...	↗ 1206 ... L1 3...
↗ 1210 ... 0...	↗ 1210 ... 3...	↗ 1220 ... T16CW ...
↗ 1221 ... T9CP	↗ 1230 ... T16CW ...	↗ 1231 ... T9CP
↗ 5500 04DL1 3...	↗ 5500 04L1 3...	↗ 5500 08DL1 3...
↗ 5500 08L1 3...	↗ 5512 04DL1	↗ 5512 04L1
↗ 5512 08L1		

M12 1210 1200 ... 3...

Pin assignments for male M12 connectors, A-coded



Accessories

☞ 9912 CPF0

☞ 9912 CPM0

M12

1210 1200 ... 3...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1210 1200 04 301 0,6m	4	PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549	5	10	600
1210 1200 04 301 1,5m	4	PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549	5	10	1500
1210 1200 04 301 2m	4	PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549	5	10	2000
1210 1200 04 301 5m	4	PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549	1	10	5000
1210 1200 05 302 0,6m	5	PUR, black, 5 x 0.34 mm ² 901302, UL-style 20549	5	10	600
1210 1200 05 302 1,5m	5	PUR, black, 5 x 0.34 mm ² (AWG 22), 910302, UL-style 20549	5	10	1500
1210 1200 05 302 2m	5	PUR, black, 5 x 0.34 mm ² (AWG 22), 910302, UL-style 20549	5	10	2000
1210 1200 05 302 5m	5	PUR, black, 5 x 0.34 mm ² (AWG 22), 910302, UL-style 20549	1	10	5000

Packaging:
in a plastic bag