

M12

1210 0806 ... L1 3...

Cordsets M12



Actuator/sensor cordset with overmolded connectors

**Cable end 1:**

M12 male, straight, A-coded, IP67

**Cable end 2:**

M8 female, angled, with LED L1, A-coded, IP67

**Cable:**

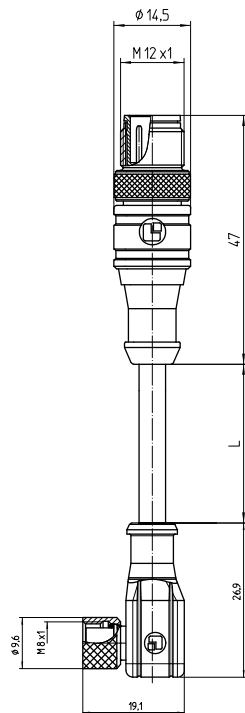
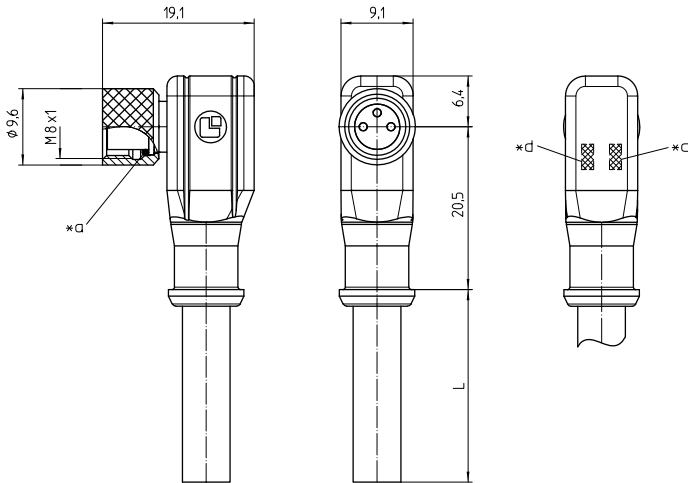
PUR, black

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Approvals:  pending

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**M12 1210 0806 ... L1 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
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  $\geq 100$   
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**

Outer jacket PUR, black

**Electrical data (at T<sub>amb</sub> 20 °C)**

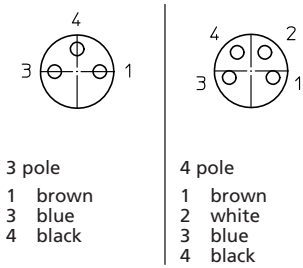
Contact resistance	$\leq 10 \text{ m}\Omega$
Rated current	4 A (T <sub>amb</sub> 40 °C)
Rated voltage	30 V DC
Material group	I (IEC)/0 (UL) (CTI = 600)
Insulation resistance	> 100 M $\Omega$

**Associated products**

Counterparts		
 0810 ... 0...	 0810 ... 3...	 0810 0800 ... 0...
 0810 0800 ... 3...	 0810 0800 ... 3... sp	 0810 0805 ... 3...
 0815 ... 0...	 0815 ... 3...	 0815 0805 ... 3...
 0815 0805 ... 3... sp	 0830 ... T8CW ...	 0831 ... T10CP
 0831 ... T8CW ...	 0832 ...S9 T8CP	 0850 ... T...CI
 1200 ... 0...	 1205 ... 0...	 1205 ... 3...
 1210 1200 ... 0...	 1220 ... T16CW ...	 1220 ... T20CW100 ...
 1220 ... T20CW101 ...	 1220 ... T20CW102 ...	 1220 ... T20CW103 ...
 1220 ... T20CW104 ...	 1220 ... T20CW105 ...	 1221 ... T16CW100 ...
 1221 ... T9CP	 1240 ... T...CI	 1240 ... T...CR
 1245 ... T...CR	 5500 04DL1 3...	 5500 04L1 3...

**M12 1210 0806 ... L1 3...**

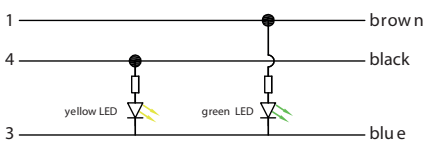
**Pin assignment for female M8 connectors, A-coded, front view**



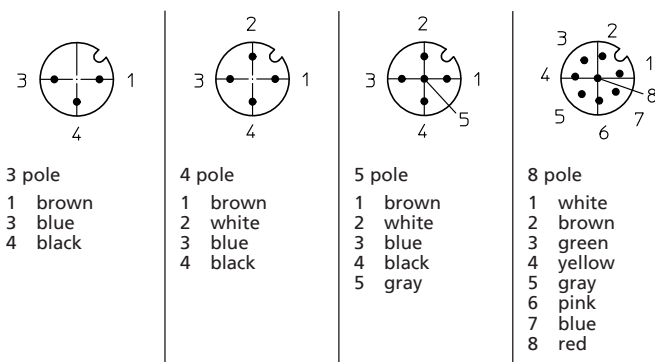
- ☞ 5500 08DL1 3...
- ☞ 5512 02 MFF
- ☞ 5512 08L1
- ☞ 5500 08L1 3...
- ☞ 5512 04DL1
- ☞ 6157 8055 S06 16W
- ☞ 5512 02 FMF
- ☞ 5512 04L1
- ☞ 6157 8055 S09 24W

- Accessories
- ☞ 9908 CPF0
  - ☞ 9912 MRGN
  - ☞ 9912 MRYE
  - ☞ 9912 CPM0
  - ☞ 9912 MRRD
  - ☞ 9912 MRBU
  - ☞ 9912 MRWH

**Connection diagram (PNP, normally open)**



**Pin assignment for male M12 connectors, A-coded, front view**



- \*a O-ring gasket
- \*c operation indicator green
- \*d function indicator yellow

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1210 0806 03 L1 300 0,3m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	5	10	300
1210 0806 03 L1 300 1m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	5	10	1000
1210 0806 03 L1 300 2m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	5	10	2000
1210 0806 03 L1 300 5m	3	PUR, black, 3 x 0.34 mm <sup>2</sup> (AWG 22), 910300, UL-style 20549	1	10	5000

**Packaging:**  
in a plastic bag