

M8

0810 0800 ... 3... sp

Cordsets M8



Actuator/sensor cordset with overmolded connectors

Cable end 1:

M8 male, straight, A-coded, IP67

Cable end 2:

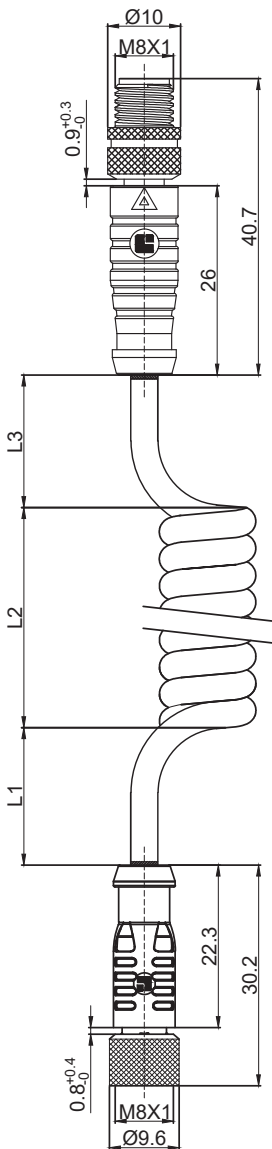
M8 female, straight, A-coded, IP67

Cable:

spiral cable, PUR, black

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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 gemessen mit einem passenden Gegenstück

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

Connected cable

Outer jacket PUR, black, coiled

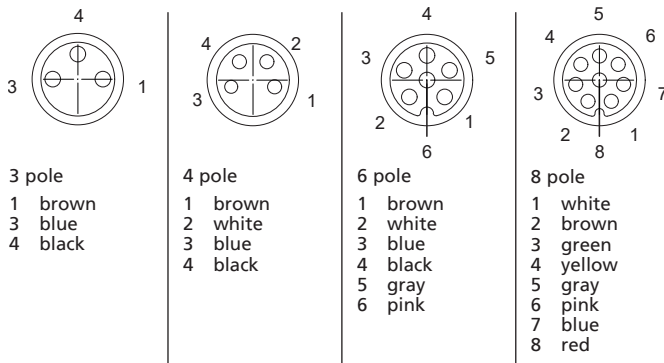
Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 10 mΩ
Rated current	4 A (3-4 poles) 1.5 A (6-8 poles) (T _{amb} 40 °C)
Rated voltage	50 V AC/60 V DC (3-4 poles) 32 V AC/DC (6-8 poles) (with pollution degree 3)
Rated impulse voltage	1.5 kV (3-4 poles) 0.8 kV (6-8 poles)
Material group	I (IEC)/0 (UL) (CTI = 600)
Overvoltage category	III
Insulation resistance	> 100 MΩ

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Pin assignments for female M8 connectors, A-coded, front view



Associated products

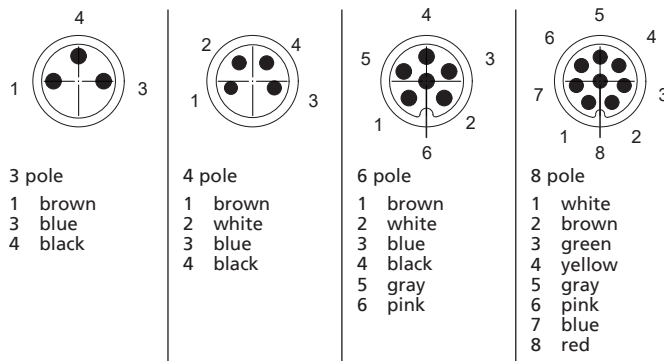
Counterparts

0800 ... 0...	0800 ... 3...	0800F1 ... 0...
0800F1 ... 3...	0805 ... 0...	0805 ... 3...
0805F1 ... 0...	0806 ... L1 0...	0806 ... L1 3...
0820 ... T8CW ...	0821 ... T10CP	0822 ...S9 T8CP
1210 0800 ... 3...	1210 0806 ... L1 3...	5000 04L1 3...
5000 08L1 3...	5000 10L1 3...	5000 12L1 3...
5012 02 MFF	5012 04L1	5012 08L1
5012 10L1	6157 8055 S01 4W	6157 8055 S03 8W
6157 8055 S06 16W	6157 8055 S09 24W	

Accessories

9908 CPF0	9908 CPM0
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Pin assignments for male M8 connectors, A-coded, front view



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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions		
					L1 (mm)	L2 (mm)	L3 (mm)
0810 0800 06 338 0,3m	6	PUR, black, 6 x 0.25 mm ² (AWG 24), coiled, 910338, UL-style 20549	1	10	100	100	100
0810 0800 08 339 0,3m	8	PUR, black, 8 x 0.14 mm ² (AWG 26), coiled, 910339, UL-style 20549	1	10	100	100	100

Packaging:
in a plastic bag