

M8

0800 ... 0...

Cordsets M8



Actuator/sensor cordset with overmolded connector

Cable end 1:

M8 female, straight, A-coded, IP67

Cable end 2:

blunt cut

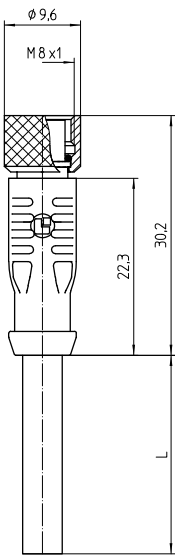
Cable:

PVC, black

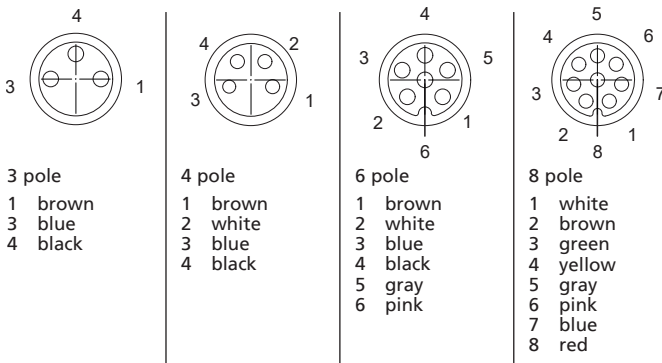
Approvals:



M8 0800 ... 0...



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



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	PVC, HB according to UL94
Knurled nut	CuZn, nickel-plated
Seal	FKM

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

Outer jacket PVC, black

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	48 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

Associated products

Counterparts		
☞ 0810 ... 0...	☞ 0810 ... 3...	☞ 0810 0800 ... 0...
☞ 0810 0800 ... 3...	☞ 0810 0800 ... 3... sp	☞ 0810 0805 ... 3...
☞ 0810 0806 ... L1 3...	☞ 0815 ... 0...	☞ 0815 ... 3...
☞ 0815 0805 ... 3...	☞ 0815 0805 ... 3... sp	☞ 0830 ... T8CW ...
☞ 0831 ... T10CP	☞ 0831 ... T8CW ...	☞ 0832 ...S9 T8CP

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[6157 8055 S01 4W](#) [6157 8055 S03 8W](#) [6157 8055 S06 16W](#)
[6157 8055 S09 24W](#)

Accessories
[9908 CPF0](#)

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0800 04 002 0,14m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	5	10	140
0800 04 002 0,225m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	5	10	225
0800 04 002 2m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	5	10	2000
0800 04 002 5m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	1	10	5000
0800 04 002 10m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	1	10	10000
0800 06 024 1m	6	PVC, black, 6 x 0.25 mm ² (AWG 24), 910024, UL-style 2464	5	10	1000
0800 06 024 2m	6	PVC, black, 6 x 0.25 mm ² (AWG 24), 910024, UL-style 2464	5	10	2000
0800 06 024 5m	6	PVC, black, 6 x 0.25 mm ² (AWG 24), 910024, UL-style 2464	1	10	5000
0800 08 025 1m	8	PVC, black, 8 x 0.14 mm ² (AWG 26), 910025, UL-style 2464	5	10	1000
0800 08 025 2m	8	PVC, black, 8 x 0.14 mm ² (AWG 26), 910025, UL-style 2464	5	10	2000
0800 08 025 5m	8	PVC, black, 8 x 0.14 mm ² (AWG 26), 910025, UL-style 2464	1	10	5000

Packaging:
in a plastic bag