

M8

0800F1 ... 0...

Cordsets M8



Actuator/sensor cordset with overmolded connector

Cable end 1:

M8 female, straight, with snap joint, A-coded, IP65

Cable end 2:

blunt cut

Cable:

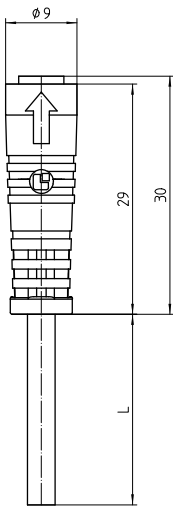
PVC, black

Approvals:

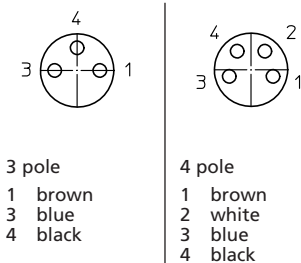


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Pin assignments for female M8 connectors, A-coded, front view



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

Mechanical data

Mating cycles ≥ 100
 Insertion force $\leq 23 \text{ N}^1$
 Withdrawal force $\leq 23 \text{ N}^1$
 Protection class IP65²

¹ measured with a proper counterpart

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

Connected cable

Outer jacket PVC, black

Electrical data (at T_{amb} 20 °C)

Contact resistance $\leq 10 \text{ m}\Omega$
 Rated current 4 A (T_{amb} 40 °C)
 Rated voltage 48 V AC/60 V DC (with pollution degree 3)
 Rated impulse voltage 1,5 kV
 Material group I (IEC)/0 (UL) (CTI = 600)
 Insulation resistance > 100 M Ω

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
☞ 6157 8055 S01 4W	☞ 6157 8055 S03 8W	☞ 6157 8055 S06 16W
☞ 6157 8055 S09 24W		

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0800F1 04 002 2m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	5	10	2000
0800F1 04 002 5m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	1	10	5000
0800F1 04 002 10m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	1	10	10000

Packaging:
in a plastic bag