


M8

0820 ... T8CW ...

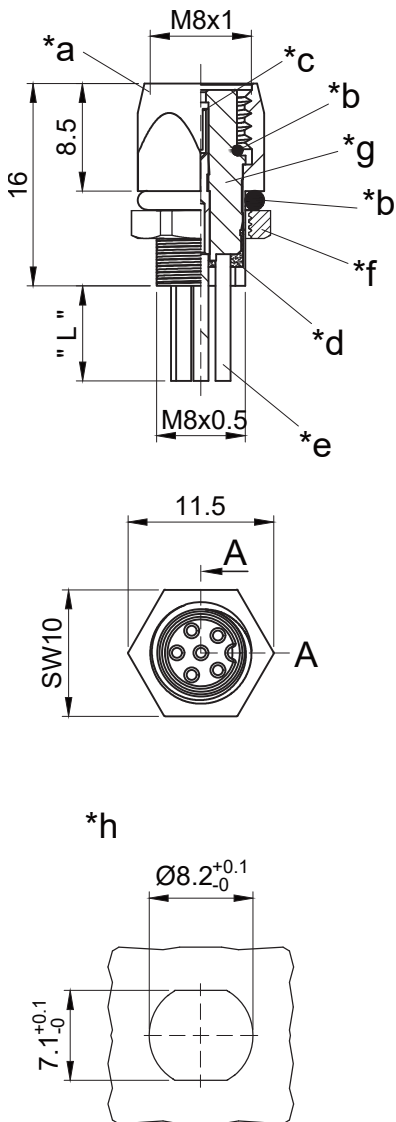
Panel Mount Connectors M8



M8 panel mount connector, female, A-coded, IP67, for front mounting, thread M8, with nut and stranded wires

Approvals: 

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Environmental conditions

Temperature range -25 °C/+80 °C

Materials

Insulating body	PA
Contact bush	CuZn, pre-nickel and gold-plated
Hexagonal 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

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 _v 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
Material group	I (IEC)/0 (UL) (CTI = 600)
Insulation resistance	> 100 MΩ

Associated products

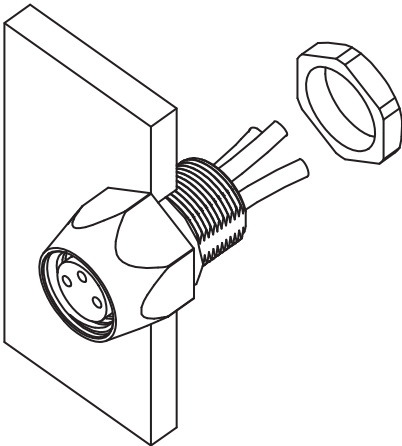
Counterparts

☞ 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	

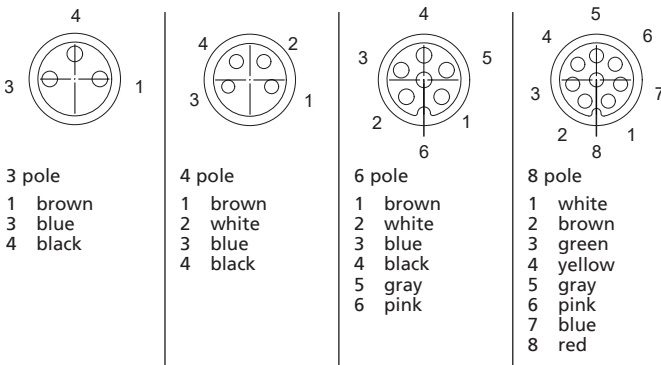
Accessories

☞ 9908 CPF0

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



- *a housing
- *b O-ring gasket
- *c contact bush
- *d contact area potted
- *e stranded wire
- *f nut
- *g insulating body
- *h port in mounting plate

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0820 03 T8CW 0,5m	3	PVC, brown/blue/black, 3 x 0.34 mm ² (AWG 22), UL- style 1007	10	10	500
0820 04 T8CW 0,5m	4	PVC, brown/white/blue/ black, 4 x 0.34 mm ² (AWG 22), UL-style 1007	10	10	500
0820 06 T8CW 0,5m	6	PVC, brown/white/blue/ black/gray/pink, 6 x 0.25 mm ² (AWG 24), UL-style 1007	10	10	500
0820 08 T8CW 0,5m	8	PVC, white/brown/green/ yellow/gray/pink/blue/red, 8 x 0.25 mm ² (AWG 24), UL-style 1007	10	10	500

Packaging:
in a plastic bag