M8 0831 ... T8CW ...

Panel Mount Connectors M8

M8 panel mount connector, male, A-coded, IP67, for rear side mounting, thread M8, with nut and stranded wires

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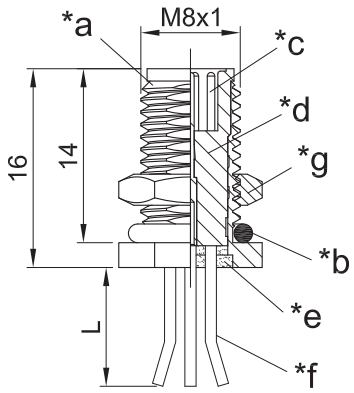

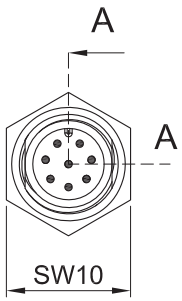

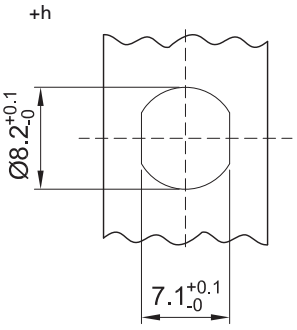

Environmental conditions

Temperature range	-25 °C/+80 °C

Materials

Insulating body	PA
Contact pin	CuZn, pre-nickel and gold-plated
Housing	CuZn, nickel-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	1.5 A (T_{amb} 40 °C)
Rated voltage	30 V (with pollution degree 3)
Rated impulse voltage	800 V
Material group	I (IEC)/0 (UL) (CTI = 600)
Insulation resistance	> 100 MΩ

Associated products

Counterparts

0800 ... 0...	0800 ... 3...	0800F1 ... 0...
0800F1 ... 3...	0805 ... 0...	0805 ... 3...
0805F1 ... 0...	0806 ... L1 0...	0806 ... L1 3...
0810 0806 ... L1 3...	1210 0800 ... 3...	1210 0806 ... L1 3...

Accessories

9908 CPM0

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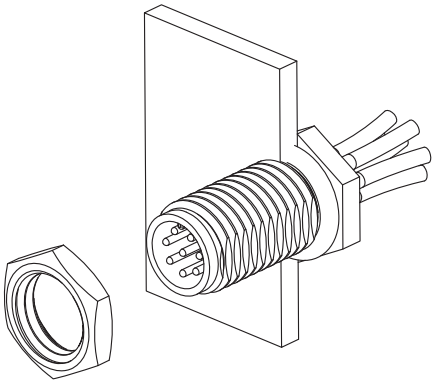
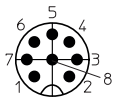


Pin assignment for male M8 connectors, A-coded, front view



8 pole

1	white
2	brown
3	green
4	yellow
5	gray
6	pink
7	blue
8	red

*a	housing
*b	O-ring gasket
*c	contact pin
*d	insulating body
*e	potting
*f	standed wire
*g	nut
*h	port in mounting plate

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0831 08 T8CW 0,5m	8	PVC, white/brown/green/ yellow/gray/pink/blue/red, 8 x 0.14 mm^2 (AWG 26), UL-style 1007	10	10	500

Packaging:
in a plastic bag