Lutronic
passion for connections

M8 0831 ... T10CP

Panel Mount Connectors M8

M8 panel mount connector, male, A-coded, IP67, for rear side mounting, thread M10, with nut, for printed circuit boards

Approvals: c UL us

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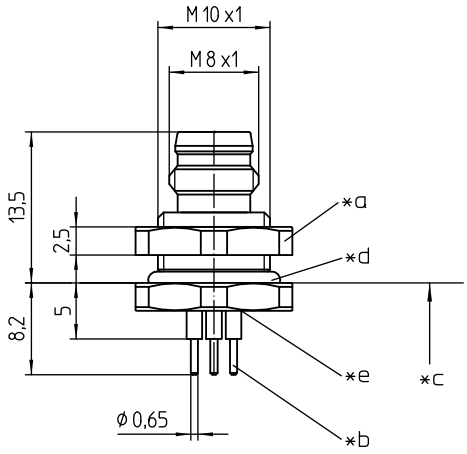

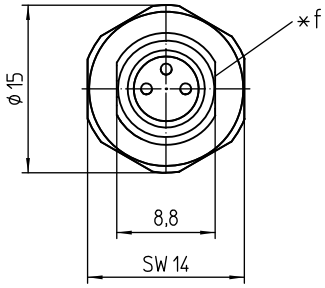

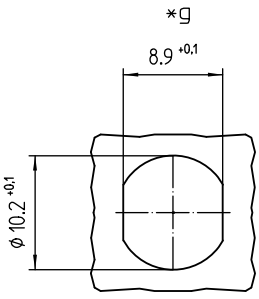

Environmental conditions

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	4 A (T_{amb} 40 °C)
Rated voltage	50 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 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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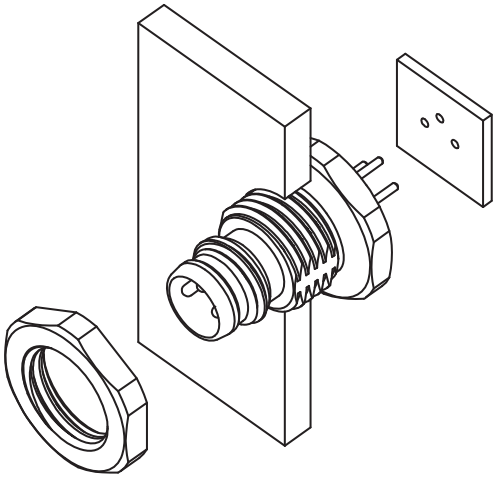
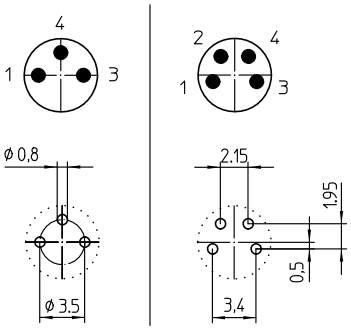


Pin assignment and printed circuit board layouts for male M8 connectors, A-coded, front view, components side view of printed circuit board



*a nut
*b solder pin for bore hole in printed circuit board Ø 0.8 mm
*c mounting direction
*d O-ring gasket
*e contact area potted
*f anti-rotation
*g port in mounting plate

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0831 03 T10CP	3	10	10
0831 04 T10CP	4	10	10

Packaging:
in a plastic bag