

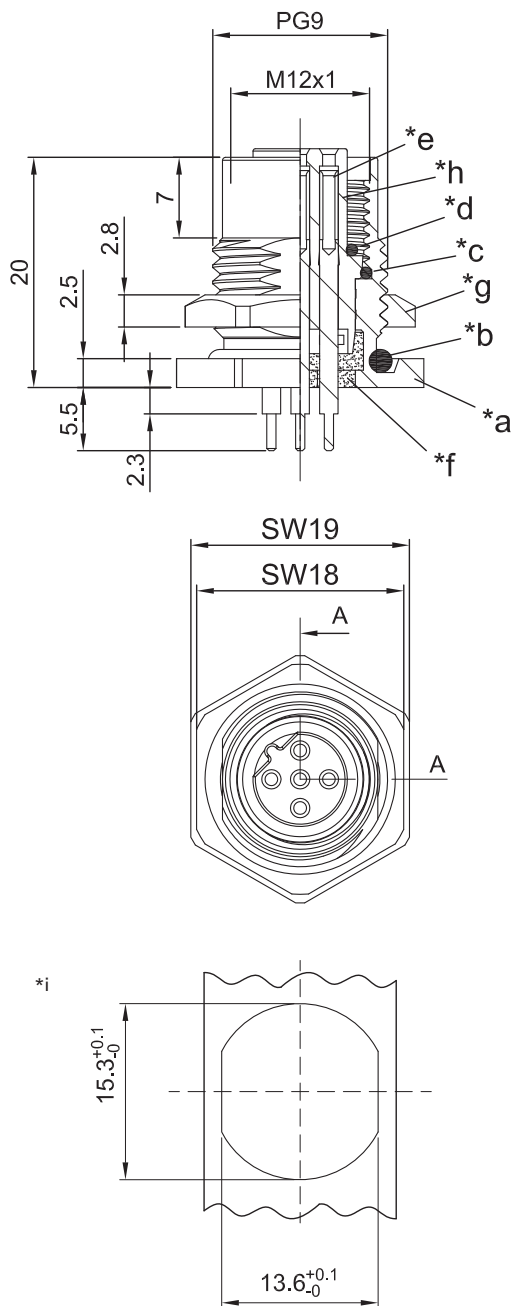
M12 1221 ...B T9CP

Panel Mount Connectors M12



M12 panel mount connector, female, B-coded, IP67, for rear side mounting, thread PG9, with nut, for printed circuit boards

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Environmental conditions

Temperature range -25 °C/+80 °C

Materials

Insulating body	PA
Contact bush	CuZn, pre-nickel and gold-plated
Housing	CuZn, nickel-plated
Hexagonal nut	CuZn, nickel-plated
Seal	FKM, NBR

Mechanical data

Mating cycles	≥ 100
Insertion force	≤ 10 N ¹
Withdrawal force	≤ 15 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	≤ 5 mΩ
Rated current	4 A (T _{amb} 40 °C)
Rated voltage	60 V AC/DC (with pollution degree 3) ¹
Rated impulse voltage	1500 V ¹
Material group	I (IEC)/0 (UL) (CTI ≥ 600) ²
Insulation resistance	> 100 MΩ

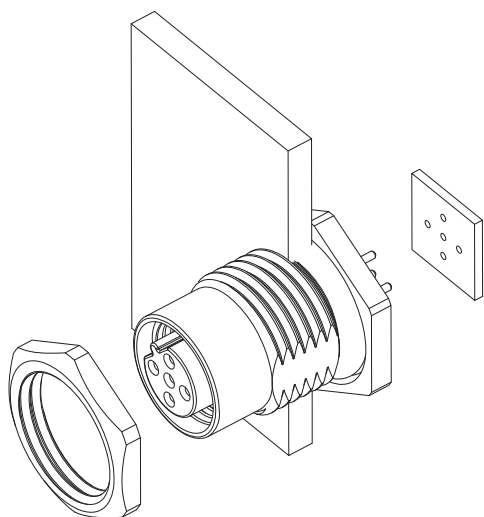
¹ acc. to IEC 60664/DIN EN 60664/CTI UL classification acc. to ANSI/UL 746A

² acc. to IEC 60664/DIN EN 60664/CTI UL classification acc. to ANSI/UL 746A

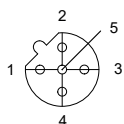
Associated products

Accessories
 9912 CPFO

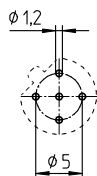
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Pin assignment and printed circuit board layouts for female M12 connectors, B-coded, front view, components side view of printed circuit board



5 pole



M12 1221 ...B T9CP

-
- *a housing
 - *b O-ring
 - *c O-ring
 - *d O-ring
 - *e contact bush
 - *f potting
 - *g nut
 - *h insulating body
 - *i port

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
1221 05B T9CP	5	10	10

Packaging:

in a cardboard box