

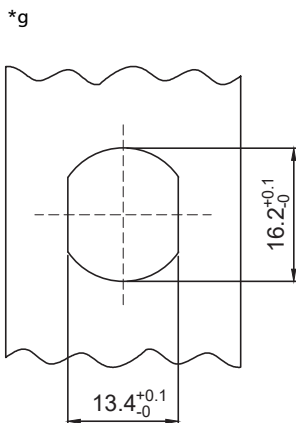
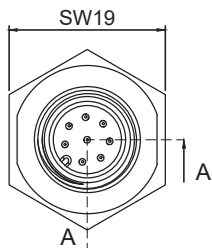
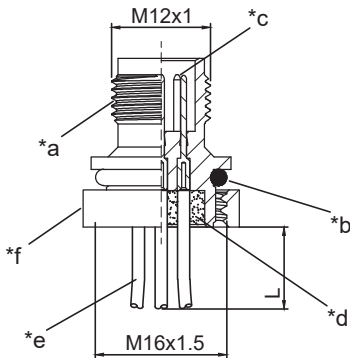
M12 1230 ... T16CW100 ...

Panel Mount Connectors M12



M12 panel mount connector, male, A-coded, IP67, for front mounting, thread M16, with nut and stranded wires, with plastic housing, black

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Environmental conditions

Temperature range -25 °C/+80 °C

Materials

Insulation body/housing PA
Contact pin CuZn, pre-nickel and gold-plated
Hexagonal nut PA
Seal FKM

Mechanical data

Mating cycles ≥ 100
Insertion force $\leq 10 \text{ N}^1$
Withdrawal force $\leq 15 \text{ N}^1$
Protection class IP67²

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 $\leq 5 \text{ m}\Omega$
Rated current 4 A (3–5 poles)
2 A (8 poles)
1.5 A (12 poles)
(T_{amb} 40 °C)
Rated voltage 250 V AC/DC (3–4 poles)
60 V AC/DC (5 poles)
30 V AC/DC (8–12 poles)¹
Rated impulse voltage 2500 V (3–4 poles)
1500 V (5 poles)
800 V (8–12 poles)¹
Material group I (IEC)/0 (UL) (CTI ≥ 600)²
Overvoltage category II²
Insulation resistance > 100 M Ω

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

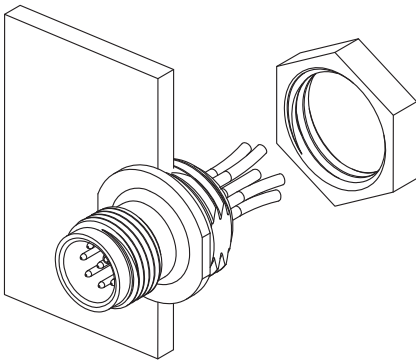
Counterparts

☞ 1200 ... 0...	☞ 1200 ... 3...	☞ 1205 ... 0...
☞ 1205 ... 3...	☞ 1206 ... L1 0...	☞ 1206 ... L1 3...
☞ 1206 ... L2 0...	☞ 1206 ... L2 3...	☞ 1210 1200 ... 0...
☞ 1210 1200 ... 3...	☞ 1210 1205 ... 3...	☞ 1210 1206 ... L1 0...
☞ 1210 1206 ... L1 3...	☞ 1210 1206 ... L2 0...	☞ 1210 1206 ... L2 3...

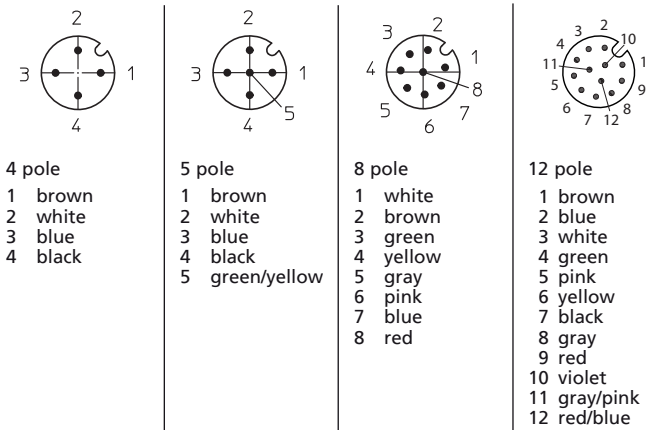
Accessories

☞ 9912 CPM0

M12 1230 ... T16CW100 ...



Pin assignment for male M12 connectors, A-coded, front view



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

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1230 04 T16CW100 0,5m	4	PVC, brown/white/blue/black, 4 x 0.34 mm ² (AWG 22), UL-style 1007, 0.5 m	10	10	500
1230 05 T16CW100 0,5m	5	PVC, brown/white/blue/black/gray, 4 x 0.34 mm ² (AWG 22)/1 x 0.5 mm ² (AWG 20), UL- style 1007, 0.5 m	10	10	500
1230 08 T16CW100 0,5m	8	PVC, white/brown/green/yellow/grey/pink/blue/red, 8 x 0.25 mm ² (AWG 24), UL-style 1007, 0.5 m	10	10	500

Packaging:
in a plastic bag