

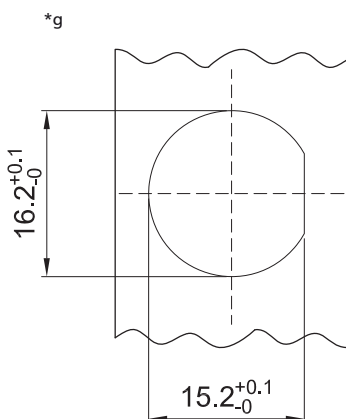
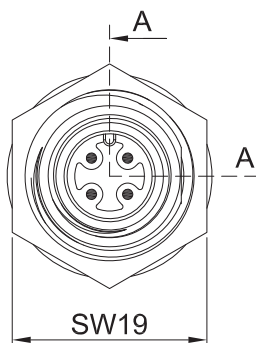
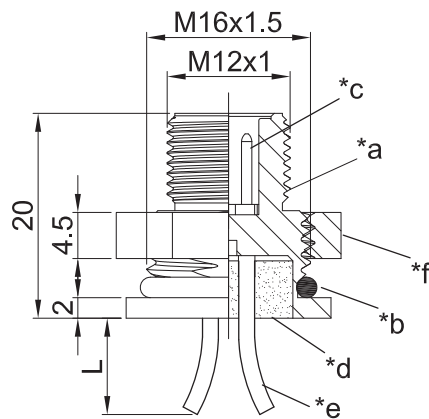
M12 1231 ... T16CW100 ...

Panel Mount Connectors M12



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

M12 1231 ... T16CW100 ...



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	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 (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	II 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

Counterparts

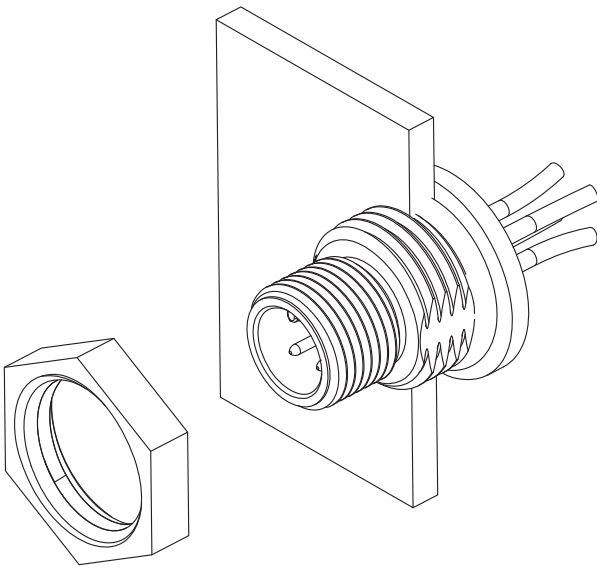
☞ 1200 ... 0...	☞ 1200 ... 3...	☞ 1205 ... 0...
☞ 1205 ... 3...	☞ 1206 ... L1 0...	☞ 1206 ... L1 3...
☞ 1206 ... L2 0...	☞ 1206 ... L2 3...	☞ 1210 1200 ... 0...
☞ 1210 1200 ... 3...	☞ 1210 1205 ... 3...	☞ 1210 1206 ... L1 0...
☞ 1210 1206 ... L1 3...	☞ 1210 1206 ... L2 0...	☞ 1210 1206 ... L2 3...
☞ 5512 02 FMF		

Accessories

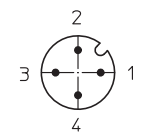
☞ 9912 CPM0

M12

1231 ... T16CW100 ...

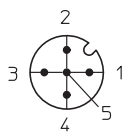


Pin assignment for male M12 connectors, A-coded, front view



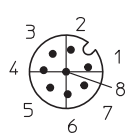
4 pole

- 1 brown
- 2 white
- 3 blue
- 4 black



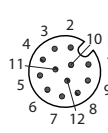
5 pole

- 1 brown
- 2 white
- 3 blue
- 4 black
- 5 gray



8 pole

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



12 pole

- 1 brown
- 2 blue
- 3 white
- 4 green
- 5 pink
- 6 yellow
- 7 black
- 8 gray
- 9 red
- 10 violet
- 11 gray/pink
- 12 red/blue

M12

1231 ... T16CW100 ...

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

M12

1231 ... T16CW100 ...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1231 04 T16CW100 0,5m	4	PVC, brown/white/blue/ black, 4 x 0.34 mm ² (AWG 22), UL-style 1007	10	10	500

Packaging:
in a plastic bag