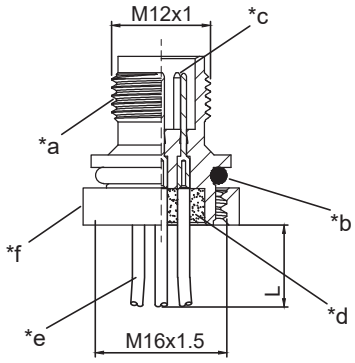
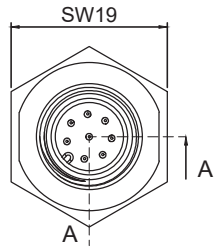
M12 1230 ... T16CW100 ...

Panel Mount Connectors M12

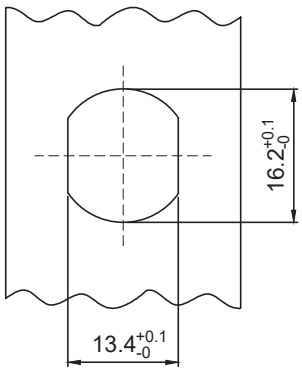
M12 panel mount connector, male, A-coded, IP67, for front mounting, thread M16, with nut and stranded wires, with plastic housing, black

M12 1230 ... T16CW100 ...





*g



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

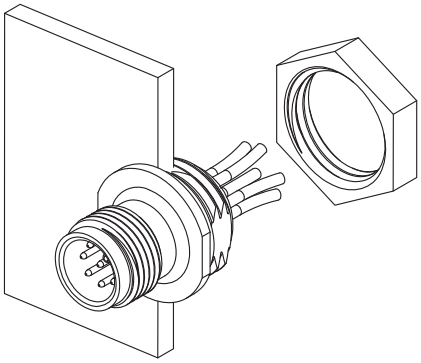
Counterparts

- 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

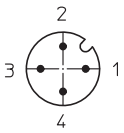
Accessories

- 9912 CPM0

M12 1230 ... T16CW100 ...

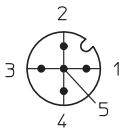


Pin assignment for male M12 connectors, A-coded, front view



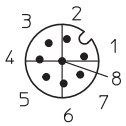
4 pole

1	brown
2	white
3	blue
4	black



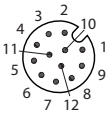
5 pole

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

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

M12 1230 ... T16CW100 ...

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 mm² (AWG 22), UL-style 1007	10	10	500
1230 05 T16CW100 0,5m	5	PVC, brown/white/blue/ black/gray, 5 x 0.34 mm² (AWG 22), UL-style 1007	10	10	500
1230 08 T16CW100 0,5m	8	PVC, white/brown/green/ yellow/grey/pink/blue/red, 8 x 0.25 mm² (AWG 24), UL-style 1007	10	10	500

Packaging:
in a plastic bag