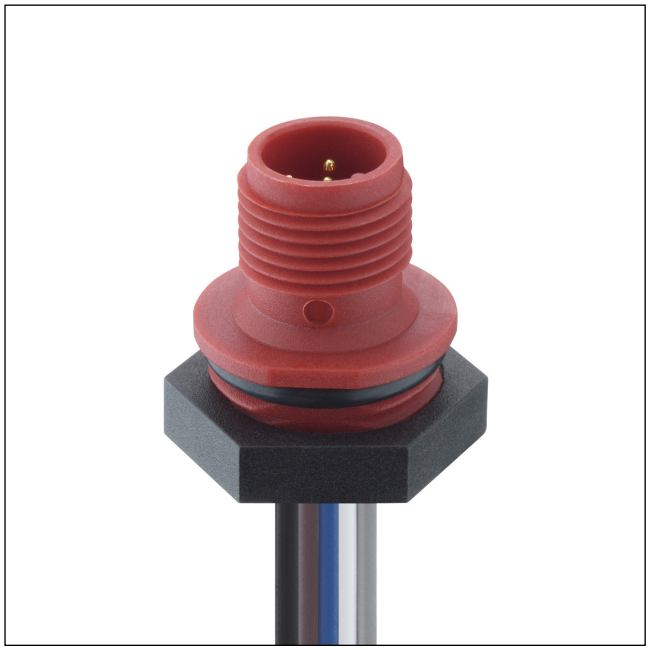
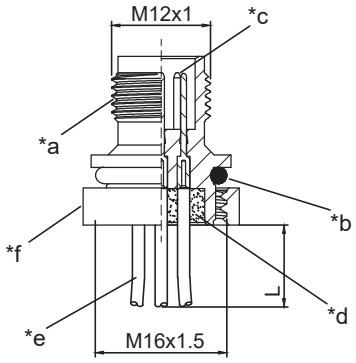
M12 1230 ... T16CW103 ...

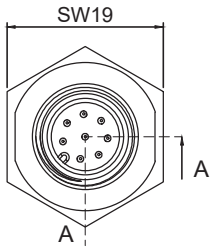
Panel Mount Connectors M12



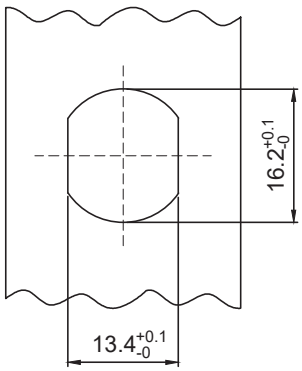
M12 panel mount connector, male, A-coded, IP67, for front mounting, thread M16, with nut and stranded wires, with plastic housing, red

M12 1230 ... T16CW103 ...





*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	FKM

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

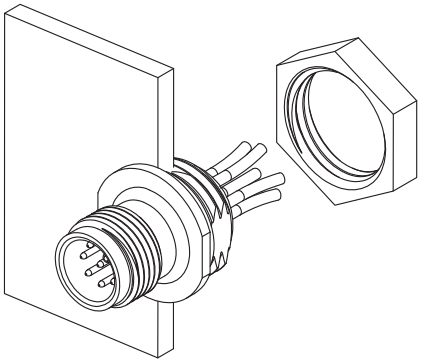
Counterparts

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...

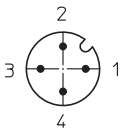
Accessories

9912 CPM0

M12 1230 ... T16CW103 ...

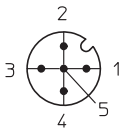


Pin assignment for male M12 connectors, A-coded, front view



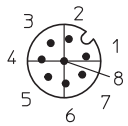
4 pole

1	brown
2	white
3	blue
4	black



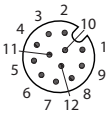
5 pole

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 ... T16CW103 ...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1230 04 T16CW103 0,5m	4	PVC, brown/white/blue/ black, 4 x 0.34 mm² (AWG 22), UL-style 1007	10	10	500
1230 05 T16CW103 0,5m	5	PVC, brown/white/blue/ black/gray, 4 x 0.34 mm² (AWG 22)/1 x 0.5 mm² (AWG 20), UL-style 1007	10	10	500

Packaging:
in a plastic bag