Lutronic
passion for automation

M12 1255 ... T...CR

Field-attachable Connectors M12

M12 connector, male, field-attachable, with screw clamps, angled, A-coded, IP67

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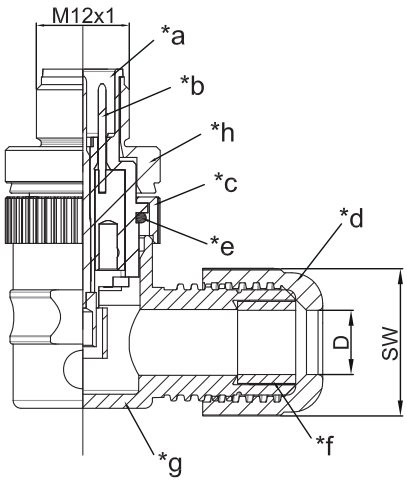

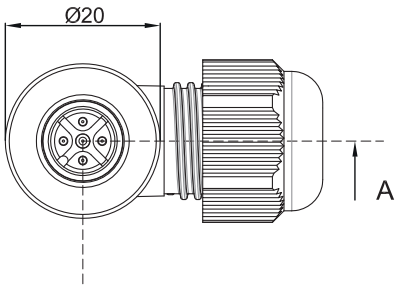

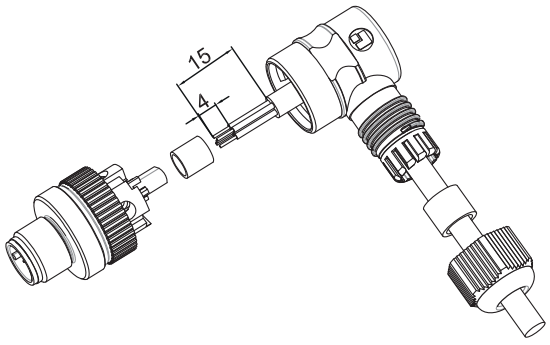

Environmental conditions

Temperature range	-25 °C/+90 °C

Materials

Insulating body	PA GF, V-0 according to UL94
Contact pin	CuZn, pre-nickel and gold-plated
Housing	PBT, V-0 according to UL94
Knurled screw	CuZn, nickel-plated
Cap nut	PA, V-2 according to UL94
O-ring gasket	FKM
Hose gasket	CR/NBR

Mechanical data

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

Connectable conductors for screw clamp

Section	≤ 0.75 mm²/≤ AWG 20
Cable diameter	3.0–6.5 mm (1255 ... T7) 4.0–8.0 mm (1255 ... T9)

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 5 mΩ [1]
Rated current	4 A (T_{amb} 40 °C)
Rated voltage	125 V AC/150 V AC/DC (3–4 poles) 30 V AC/36 V DC (5 poles) (with pollution degree 3) [2]
Rated impulse voltage	2500 V (3–4 poles) 1500 V (5 poles) [2]
Withstand voltage	1400 V (3–4 poles) 1250 V (5 poles)
Material group	II (IEC)/I (UL) (400 ≤ CTI < 600) [2]
Insulation resistance	> 1 GΩ

[1] measured with a proper counterpart

[2] according to IEC 60664/DIN EN 60664, CTI UL classification according to ANSI/UL 746A

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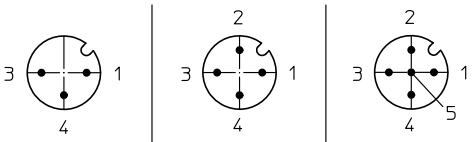
Pin assignment for male M12 connectors, A-coded, front view



3 pole | 4 pole | 5 pole

*a insulating body
*b contact pin
*c nut
*d cap nut
*e O-ring gasket
*f hose gasket
*g housing
*h knurled screw

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...
- 1220 ... T16CW ...
- 1220 ... T20CW100 ...
- 1220 ... T20CW101 ...
- 1220 ... T20CW102 ...
- 1220 ... T20CW103 ...
- 1220 ... T20CW104 ...
- 1220 ... T20CW105 ...
- 1221 ... T16CW100 ...
- 1221 ... T9CP
- 1240 ... T...CI
- 1240 ... T...CR
- 1245 ... T...CR
- 5500 04DL1 3...
- 5500 04L1 3...
- 5500 08DL1 3...
- 5500 08L1 3...
- 5512 02 FMF
- 5512 02 MFF
- 5512 04DL1
- 5512 04L1
- 5512 08L1

Accessories

- 9912 CPM0

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)	Dimensions		
				A (mm)	D (mm)	SW (mm)
1255 03 T7CR	3	5	10	-	7 (3.0–6.5)	15
1255 04 T7CR	4	5	10	-	7 (3.0–6.5)	15
1255 04 T9CR	4	5	10	-	9 (4.0–8.0)	19
1255 05 T7CR	5	5	10	-	7 (3.0–6.5)	15
1255 05 T9CR	5	5	10	-	9 (4.0–8.0)	19

Packaging:
in a plastic bag