

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

Series	1B
Termination type	Female print 90° PCB
IP rating	68 mated (mating interface)
AWG wire size	30.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	Active

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[PCB KiCad Pattern](#)  
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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	HC*: Fixed receptacle, nut fixing, watertight or vacuum-tight (watertight when mated, back panel mounting)
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Variant	P : Watertight unmated (connector to device)
Weight	23.08 g

### Performance

Configuration	1B.304 : 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	

### Specifications

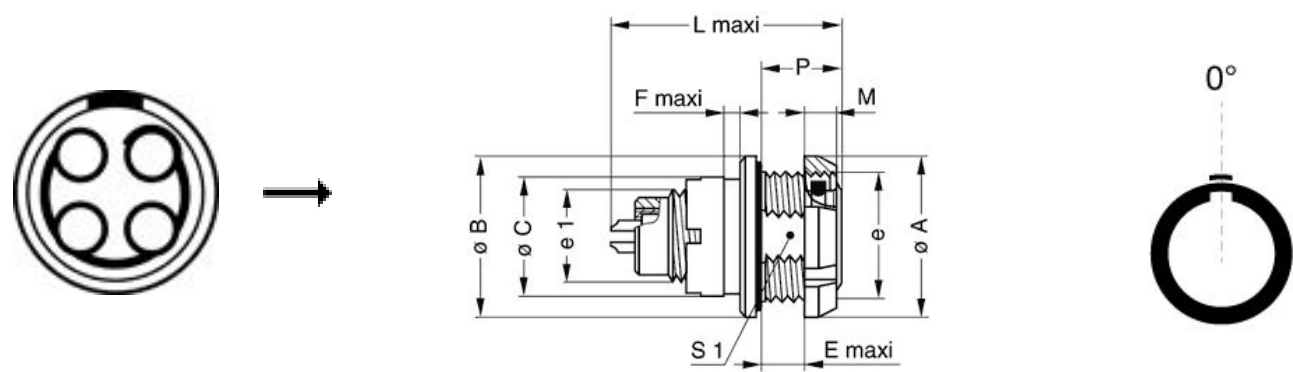
Contact Type: Print (elbow)  
Contact Dia.: 0.9 mm (0.035in)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1450 V (AC), 2050 V (DC)  
Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

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Others

Endurance (Shell): 5000  
Temp (min / max): -20°C / +100°C  
Humidity (max): <=95% [at 60 deg C / 140 F]  
Vibration: 15 g [10 Hz - 2000 Hz]  
Shock Resistance: 100 g [ 6 ms]  
Climatical Category: 20/80/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr  
Pressure: 60 bars

DRAWINGS



Dimensions

	A	B	C	E	F	L	M	P	S1	e	e1
mm.	20	20	14.5	6.2	2	30.3	3.5	10	14.5	M16x1.0	M12x1.0
in.	0,79	0,79	0,57	0,24	0,08	1,19	0,14	0,39	0,57		

RECOMMENDED BY LEMO

Tools

Spanner wrench: [Socket for torque wrench DCM.1E.M16.6](#)

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