

## SUMMARY



*Image is for illustrative purpose only*

### # Wires

Low	5
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0

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Series	1B
Termination type	Female print PCB
IP rating	68
Cable Ø	0.00 - 0.00 mm
Matching parts	FGG.1B.305.CLAD42
Status	
Alternative part	

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	HG*: Fixed receptacle, nut fixing, watertight or vacuum-tight
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Cable Fixing	∅ 0 - 0 mm
Variant	P : Watertight

### Performance

Configuration	1B.305 : 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/3.2, depends on material thickness)
Rated Current	9 Amps

### Specifications

Contact Type: Print (straight)
Max. Matings: 5000
Contact Dia.: 0.9 mm (0.035in)
R (max): 4.8 mOhm
Vtest (contact-shell): 1150 V (AC), 1630 V (DC)
Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

## Others

Temp (min / max): -20° C / +80° C  
Humidity (max): <=95% [at 60 deg C /140 F]  
Vibration: 15 g [10 Hz - 2000 Hz]  
Shock Resistance: 100 g [ 6 ms]  
Salt Spray Corrosion: >144 hr  
Climatical Category: 20/80/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Pressure: 60 bars  
IP Rating: 68

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## DRAWINGS

### Draws



### Dimensions

	A	B	E	L	M	S1	S3	e
mm.	18	16	7	26.6	4.5	10.5	14	M12x1.0
in.	0,71	0,63	0,28	1,05	0,18	0,41	0,55	

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## RECOMMENDED BY LEMO

### Tools

None

### Cables