

## SUMMARY

### # Wires

Low voltage 19



*Image is for illustrative purpose only*

Series	2T
Termination type	Female solder
IP rating	68
AWG wire size	24.00 - 24.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FGG.2T.319.CLAC50</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	HG*: Fixed socket, nut fixing, watertight or vacuumtight
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	PV : Watertight / Vacuum-tested
Weight	17.20 g

### Performance

Configuration	T.319 : 19 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	5 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm

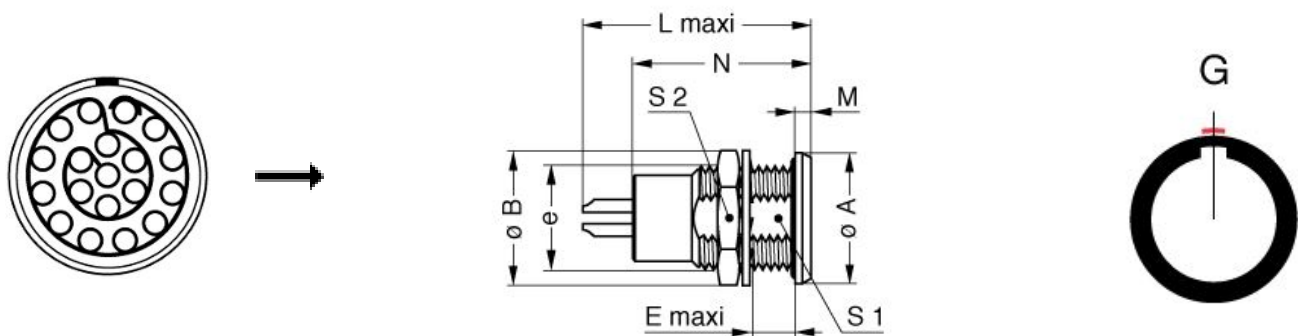
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Vtest (contact-shell): 1250 V (AC), 1770 V (DC)  
 Vtest (contact-contact): 950 V (AC), 1340 V (DC)

## Others

Endurance (Shell): >3000 mating cycles  
 Temp (min / max): -20°C / +80°C  
 Humidity (max): <=95% [at 60 deg C / 140 F]  
 Resistance to vibration: 15 g [10 Hz - 2000 Hz]  
 Shock Resistance: 100 g [ 6 ms]  
 Climatical Category: 50/175/21  
 Shielding efficiency (min): 75 dB (at 10 MHz)  
 Shielding efficiency (min): 40 dB (at 1 GHz)  
 R leak (He) (max): 0.0000001 mbar\*l/s (if vacuum-tested)  
 Salt Spray Corrosion: >1000 hr

## DRAWINGS



## Dimensions


	A	B	E	L	M	N	S1	S2	e
mm.	18.5	19.6	8	30.5	1.8	25	13.5	17	M15x1.0
in.	0,73	0,77	0,31	1,20	0,07	0,98	0,53	0,67	

## RECOMMENDED BY LEMO

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## Tools

## Cables

CMN.19.T22.079QGZE	TPR (medical)	Grey	
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