

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 5

Series 1K  
Termination type Female print PCB  
IP rating 68  
AWG wire size 30.00 - 22.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FGG.1K.305.CLAC50Z](#)

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

### Mechanics

Shell Style/Model EG\*: Fixed receptacle, nut fixing  
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  
Weight 19.38 g

### Performance

Configuration 1K.305 : 5 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 9 Amps

### Specifications

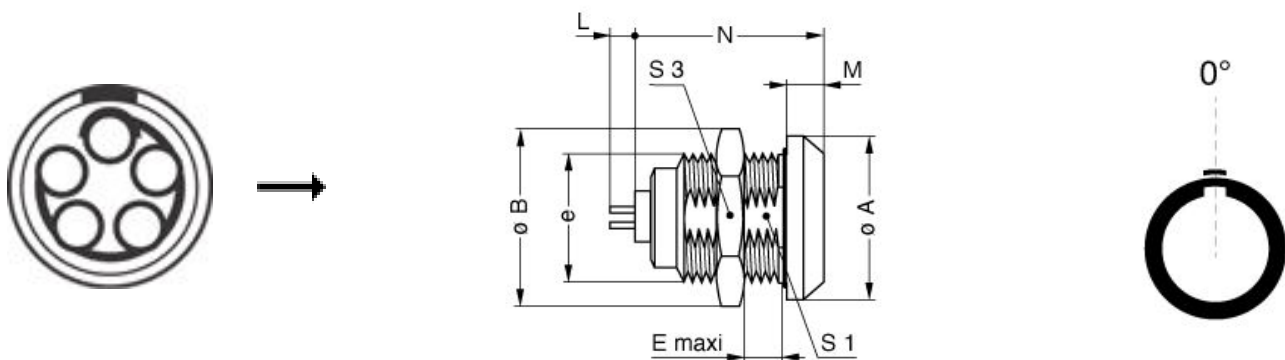
Contact Type: Print (straight)  
Contact Dia.: 0.9 mm (0.035in)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1150 V (AC), 1630 V (DC)  
Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

### Others

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Endurance (Shell): 5000 mating cycles  
 Temp (min / max): -55°C / +200°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: 50/175/21  
 Shielding (min): 95 dB (10 MHz)  
 Shielding (min): 80 dB (1 GHz)  
 Salt Spray Corrosion: >1000 hr

## DRAWINGS



### Dimensions

	A	B	E	Lmax	M	N	S1	S3	e
mm.	20	21.5	9	29.1	4.5	25.1	14.5	19	M16x1.0
in.	0,79	0,85	0,35	1,15	0,18	0,99	0,57	0,75	

## RECOMMENDED BY LEMO

### Tools

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