

## SUMMARY

### # Wires

Low voltage 5



Image is for illustrative purpose only

Series 1K  
Termination type Female solder  
IP rating 68  
AWG wire size 30.00 - 22.00  
Cable Ø 6.10 - 6.50 mm  
Status active  
Matching parts [FGG.1K.305.CLAC65](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model PE\*: Fixed receptacle, nut fixing, cable adapter, with bend relief nut (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  
Weight 35.94 g

### Performance

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

### Specifications

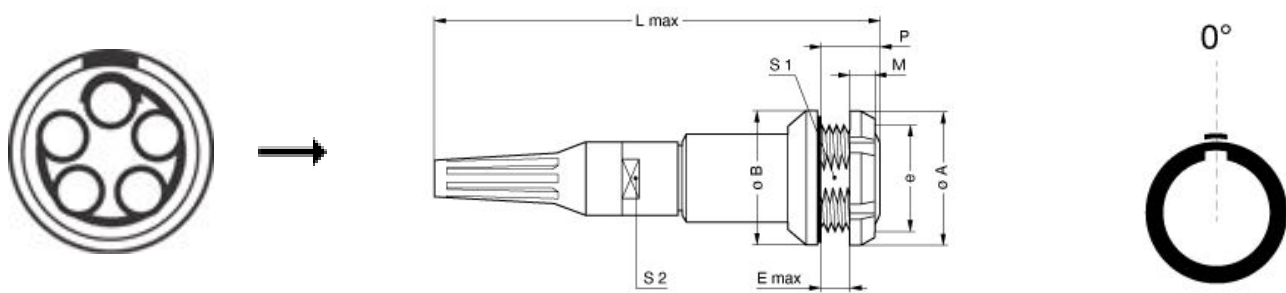
Contact Type: Solder  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1150 V (AC), 1630 V (DC)  
Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

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## Others

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	L	M	P	S1	S2	e
mm.	20	20	6.5	78.5	3.5	10	14.5	9	M16x1.0
in.	0,79	0,79	0,26	3,09	0,14	0,39	0,57	0,35	

## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.1E.008.PA090](#)

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