

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series 1K  
Termination type Female solder  
IP rating 68  
AWG wire size 34.00 - 28.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FGG.1K.310.CLAC20](#)

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## 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 [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 20.95 g

### Performance

Configuration 1K.310 : 10 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 2.5 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.5 mm (0.02in)  
Bucket Dia.: 0.45 mm (0.018in)  
Max. Solid Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
Max. Stranded Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm

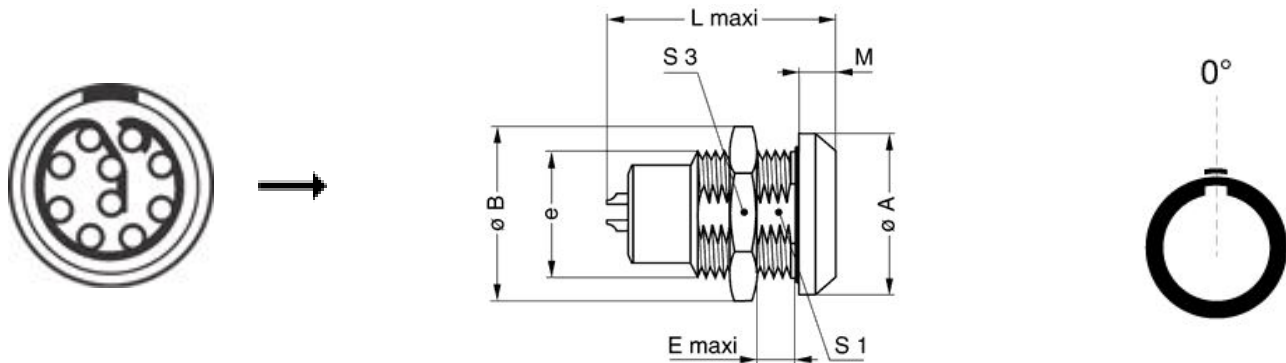
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Vtest (contact-shell): 1500 V (AC), 2150 V (DC)  
 Vtest (contact-contact): 900 V (AC), 1270 V (DC)

## Others

Endurance (Shell): 5000 mating cycles  
 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): 95 dB (10 MHz)  
 Shielding (min): 80 dB (1 GHz)  
 R leak (He) (max): 0.0000001 mbar\*l/s (if vacuum-tested)  
 Salt Spray Corrosion: >1000 hr  
 Pressure: 60 bars

## DRAWINGS



## Dimensions

	A	B	E	L	M	S1	S3	e
mm.	20	21.5	9	30	4.5	14.5	19	M16x1.0
in.	0,79	0,85	0,35	1,18	0,18	0,57	0,75	

## RECOMMENDED BY LEMO

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## Tools

## Cables

CMN.10.T28.052PGZE		Grey	
CMN.10.T28.052PNZE			
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110280	PVC	Black	

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