

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 6

Series 1K  
Termination type Female solder  
IP rating 68  
AWG wire size 30.00 - 22.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FGG.1K.306.CLAC50Z](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model HE\*: Fixed receptacle, nut fixing, watertight or vacuum-tight (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  
Variant PV : Watertight / Vacuum-tested  
Weight 22.18 g

### Performance

Configuration 1K.306 : 6 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 7 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

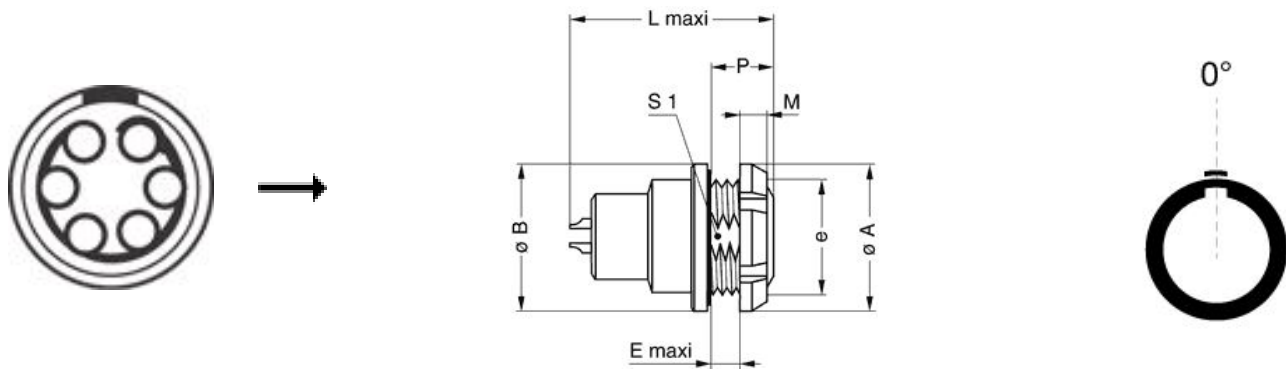
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Vtest (contact-shell): 1200 V (AC), 1700 V (DC)  
 Vtest (contact-contact): 1050 V (AC), 1490 V (DC)

## 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



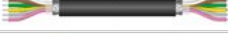






	A	B	E	L	M	P	S1	e
mm.	20	20	6.2	30	3.5	10	14.5	M16x1.0
in.	0,79	0,79	0,24	1,18	0,14	0,39	0,57	

## RECOMMENDED BY LEMO

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## Tools

## Cables

CMN.06.T26.037QGZE	TPR (medical)	Grey	
CMN.06.T28.031PGCE	PVC	GREY	
CMN.06.T28.031PGZE		Grey	
CMN.06.T28.031PNCE	PVC	Black	
CMN.06.T28.031PNZE			
CMN.06.T28.042QBCE	TPR (medical)		
CMN.06.T28.044PGZE		Grey	
CMN.06.T28.044PNZE			
106220	PVC	Black	
106240	PTFE	White	
12080	PVC	Grey	
160140	PVC	Grey	
160240	PVC	Black	
160260	PVC	Black	
260250	PVC	Grey	
60260	PTFE	White	
6280	PVC	Black	

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