

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series 1K  
Termination type Female solder  
IP rating 68  
AWG wire size 28.00 - 20.00  
Cable Ø 0.00 - 0.00 mm  
Status active

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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 22.12 g

### Performance

Configuration 1K.302 : 2 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 15 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 1.3 mm (0.051in)  
Bucket Dia.: 1 mm (0.039in)  
Max. Solid Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Stranded Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 3.6 mOhm

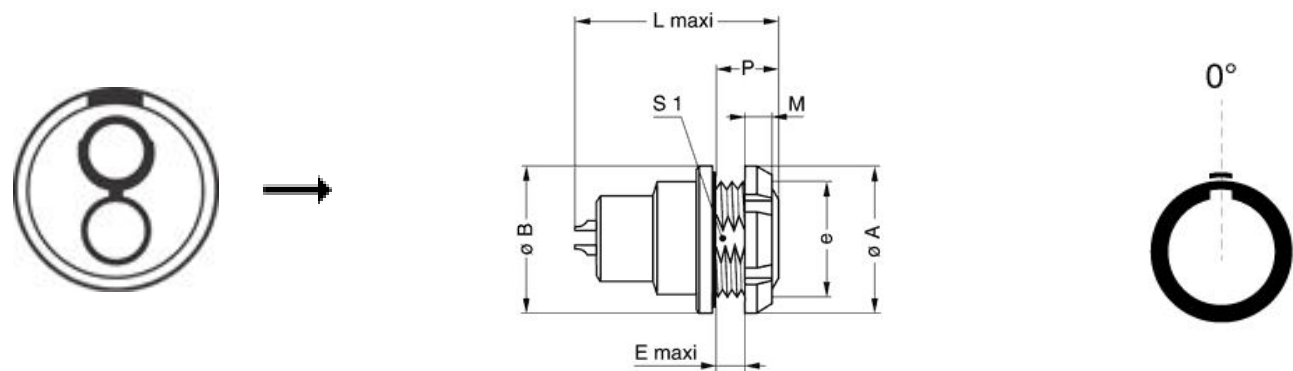
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Vtest (contact-shell): 1350 V (AC), 1910 V (DC)  
Vtest (contact-contact): 1500 V (AC), 2150 V (DC)

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






















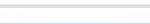









	A	B	E	L	M	P	S1	e
mm.	20	20	6.2	30	3.5	10	14.5	M16x1.0
in.	0,79	0,79	0,24	1,18	0,14	0,39	0,57	

RECOMMENDED BY LEMO

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## Tools

## Cables

CMN.02.T20.047PGZE		Grey	
CMN.02.T20.047PNZE			
CMN.02.T20.048QGZE	TPR (medical)	Grey	
CMN.02.T28.030PGCE	PVC	GREY	
CMN.02.T28.030PGZE		Grey	
CMN.02.T28.030PNCE	PVC	Black	
CMN.02.T28.030PNZE			
102080	PVC	Grey	
120184	PVC	Black	
120240	PVC	Black	
120250	PVC	Grey	
120500	PVC	Grey	
120501	PVC	Grey	
120751	PVC	Grey	
20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
2050	PVC	Black	
20550	PUR	Black	
20560	PUR	White	
2080	PVC	Grey	
220750	PVC	Grey	
2221	PVC	Black	
			

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2260	PTFE	White	
2280	PVC	Black	
4082	PVC	Grey	
CMB.02.210.635	PUR	Black	

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