

## SUMMARY

### # Wires

Low voltage 16

*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

### Download

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model \*:   
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 P : Watertight   
Weight 21.41 g

### Performance

Configuration 1K.316 : 16 Low Voltage   
Insulator L: PEEK (UL 94 / V-0/1.5)   
Rated Current 1.5 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): 1250 V (AC), 1770 V (DC)  
Vtest (contact-contact): 800 V (AC), 1130 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)  
Salt Spray Corrosion: >1000 hr  
Pressure: 60 bars

DRAWINGS






RECOMMENDED BY LEMO

Tools

Cables

CMN.16.T28.059PGZE		Grey	
CMN.16.T28.059PNZE			
CMN.16.T28.070NNZZ			

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CMN.16.T30.047QGZE	TPR (medical)	Grey	
116080	PUR	Black	
116280	PVC	Black	
16050	PVC	Black	

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