

## SUMMARY

### # Wires

Low voltage 20

*Image is for illustrative purpose only*

Series 5K  
Termination type Male solder  
IP rating 68 when mated  
AWG wire size 24.00 - 16.00  
Cable Ø 0.00 - 0.00 mm  
Status active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model \*:  
Keying 2 keys (gamma=75, plug: female contacts, receptacle: male contacts)  
Housing Material Stainless steel shell, collet nut, latch sleeve, mid pieces, collet and washers  
Variant PV : Watertight / Vacuum-tested unmated  
Weight 380.27 g

### Performance

Configuration 5K.320 : 20 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 10 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 1.6 mm (0.063in)  
Bucket Dia.: 1.4 mm (0.055in)  
Max. Solid Conductor: 1 mm<sup>2</sup> (AWG 16)  
Max. Stranded Conductor: 1 mm<sup>2</sup> (AWG 18)  
R (max): 3.5 mOhm  
Vtest (contact-shell): 1700 V (AC), 2400 V (DC)

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Vtest (contact-contact): 1900 V (AC), 2700 V (DC)

## Others

Endurance (Shell): 5000 mating cycles  
Temp (min / max): -20°C / +80°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)  
Pressure: 5 bars

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## DRAWINGS



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## RECOMMENDED BY LEMO

### Tools

### Cables

|        |     |      |   |
|--------|-----|------|---|
| 420250 | PVC | Grey |  |
| 420500 | PVC | Grey |  |
| 520750 | PVC | Grey |  |

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