

## SUMMARY

### # Wires

Low voltage 10

*Image is for illustrative purpose only*

Series 5K  
Termination type Male solder  
IP rating 68 mated (mating interface)  
AWG wire size 18.00 - 10.00  
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 (connector to device)  
Weight 393.21 g

### Performance

Configuration 5K.310 : 10 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 20 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 3 mm (0.118in)  
Bucket Dia.: 2.7 mm (0.106in)  
Max. Solid Conductor: 4 mm<sup>2</sup> (AWG 10)  
Max. Stranded Conductor: 4 mm<sup>2</sup> (AWG 12)  
R (max): 3.1 mOhm  
Vtest (contact-shell): 2300 V (AC), 3250 V (DC)

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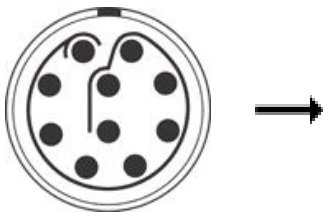
Vtest (contact-contact): 2350 V (AC), 3320 V (DC)

## 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

CMN.10.T20.080PGZE		Grey	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	
			

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CMN.10.T22.068QGZE CMN.10.T28.052PGZE	TPR (medical)	Grey Grey	
CMN.10.T28.052PNZE			
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110220	PVC	Black	
110240	PTFE	White	
110260	PTFE	White	
110280	PVC	Black	
210140	PVC	Grey	
210240	PVC	Black	
210250	PVC	Grey	
210260	PVC	Black	

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