

SUMMARY

Wires

Low	10
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0

Image is for illustrative purpose only

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Series	5K
Termination type	Male solder
IP rating	68
Cable Ø	0.00 - 0.00 mm
Matching parts	
Status	
Alternative part	

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
Cable Fixing	∅ 0 - 0 mm
Variant	PV : Watertight / Vacuum-tested

Performance

Configuration	5K.310 : 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/3.2, depends on material thickness)
Rated Current	20 Amps

Specifications

Contact Type:	Solder
Max. Matings:	5000
Contact Dia.:	3 mm (0.118in)
Bucket Dia.:	2.7 mm (0.106in)
Max. Solid Conductor:	4 mm ² (AWG 10)
Max. Stranded Conductor:	4 mm ² (AWG 12)

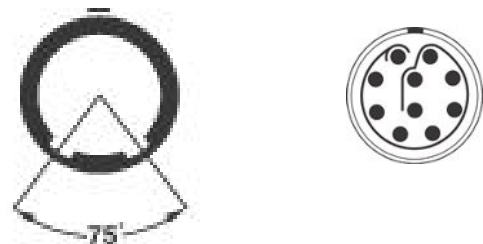
R (max): 3.1 mOhm
Vtest (contact-shell): 2300 V (AC), 3250 V (DC)
Vtest (contact-contact): 2350 V (AC), 3320 V (DC)

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]
Salt Spray Corrosion: >144 hr
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
IP Rating: 68

DRAWINGS

Draws

























Dimensions

RECOMMENDED BY LEMO

Tools

None

Cables

CMN.10.T20.080PGCE	PVC	GREY	
CMN.10.T20.080PGZE		Grey	
CMN.10.T20.080PNCE	PVC	Black	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	
CMN.10.T22.068PGCE	PVC	GREY	
CMN.10.T22.068PGZE		Grey	
CMN.10.T22.068PNCE	PVC	Black	
CMN.10.T22.068PNZE			
CMN.10.T22.068QGC			
CMN.10.T22.068QGZE	TPR (medical)	Grey	
CMN.10.T28.052PGCE	PVC	GREY	
CMN.10.T28.052PGZE		Grey	
CMN.10.T28.052PNCE	PVC	Black	
CMN.10.T28.052PNZE			
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110 220	PVC	Black	
110 240	PTFE	White	
110 260	PTFE	White	
110 280	PVC	Black	
210 140	PVC	Grey	
210 200	PVC	Black	
210 240	PVC	Black	
210 250	PVC	Grey	
210 260	PVC	Black	