

*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	18 - 10
Gender	Reverse Gender
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.00 - 42.60 mm
Size	5K
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/hbl-5k-310-ulapv.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/hbl-5k-310-ulapv.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	3.1 mOhm
Insert configuration value	5K.310 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	20 A
Vtest (contact-contact)	2350 V (AC), 3320 V (DC)
Vtest (contact-shell)	2300 V (AC), 3250 V (DC)
Contact Type	Solder
Max. Solid Conductor	4 mm <sup>2</sup> (AWG 10)
Max. Stranded Conductor	4 mm <sup>2</sup> (AWG 12)
Bucket Dia.	2.7 mm (0.106in)
Contact Dia.	3 mm (0.118in)
Number of contacts Low Voltage	10
Wire Size/AWG	18 - 10
Gender	Reverse Gender

## Form & Material

Housing material	Stainless steel shell, collet nut, latch sleeve, mid pieces, collet and washers
Locking system	Push-pull
Keying	2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Variant	Watertight / Vacuum-tested unmated (connector to device)
Weight	393.21 g

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## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	Hermetic unmated
Endurance	5000 mating cycles
Temperature range	-20°C / +80°C
Climatical Category	20/80/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Pressure	5 bars
R leak (He) (max)	0.0000001 mbar*/s (if vacuum-tested)





## Cable fixation

Jacket cable outside diameter [mm]	4.00 - 42.60 mm
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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.10.T20.080PGZE		grey	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	
CMN.10.T22.068QGZE	TPR (medical)	Grey	
CMN.10.T28.052PGZE		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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