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Summary

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Number of contacts Low Voltage	20
Wire Size/AWG	24 - 16
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-320-ulapv.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	3.5 mOhm
Insert configuration value	5K.320 - 20 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Vtest (contact-contact)	1900 V (AC), 2700 V (DC)
Vtest (contact-shell)	1700 V (AC), 2400 V (DC)
Contact Type	Solder
Max. Solid Conductor	1 mm ² (AWG 16)
Max. Stranded Conductor	1 mm ² (AWG 18)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Number of contacts Low Voltage	20
Wire Size/AWG	24 - 16
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	380.27 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
420250	PVC	Grey	
420500	PVC	Grey	
520750	PVC	Grey	

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