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Summary

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Number of contacts Low Voltage	20
Wire Size/AWG	24 - 16
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	16.60 - 17.50 mm
Size	5K
Suggested matching part	FGL.5K.320.CLLC17
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/pkl-5k-320-clac17.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	20
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)	2.7 kV (DC)
Vtest (contact-shell)	2.4 kV (DC)
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)
Wire Size/AWG	24 - 16
Gender	Reverse Gender

Form & Material

Shell style / Model id	PK - Fixed receptacle, nut fixing, cable collet
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	570.8 g

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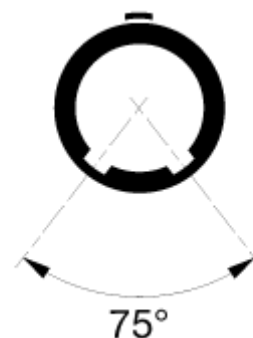
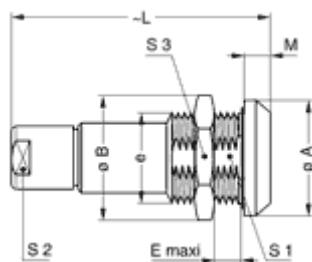
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C
Climatical Category	50/175/21
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]
Salt Spray Corrosion	>1000 hr

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	16.60 - 17.50 mm

Drawings



Dimensions

	A	B	e	E	L	M	S1	S2
mm.	55	54	M45x1.5	15	98	9	42.5	30
in.	2.17	2.13		0.59	3.86	0.35	1.67	1.18

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Recommended By Lemo

Accessories

Compatible cap

[BRE.5K.200.NAS](#)

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