

Standard



Image for illustrative purpose only

Summary

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BKT series

Number of contacts Low Voltage	1
Number of contacts High Voltage	2
Wire Size/AWG	28 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Panel Drill Hole	M16
Jacket cable outside diameter [mm]	1.00 - 14.60 mm
Size	1K
Suggested matching part	FGG.1K.731.CJAC65
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/egg-1k-731-cjl.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	1
Contact Termination Low voltage	Solder
Number of contacts High Voltage	2
Contact Termination High voltage	Solder
Insert configuration value	1K.731 - 2 High V. 1 Low V.
Insulator	J: PEEK/PEEK
Rated current	12 A
Test voltage HV Ue (kV rms)	5.3
Working voltage LV Us (kV rms)	0.4
Contact Dia.	1.3
Wire Size/AWG	28 - 20
Gender	Standard

Form & Material

Shell style / Model id	EG - Fixed receptacle, nut fixing
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	18.99 g
Panel Drill Hole	M16

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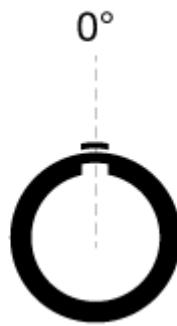
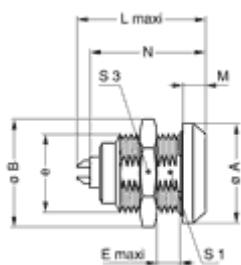
Environment

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 (max. temperature valid for short periods of use.)
Climatic 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

Jacket cable outside diameter [mm]	1.00 - 14.60 mm
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Drawings



Dimensions

	e	E	L	M	N	S1	S3	A	B
mm.	M16x1.0	9	27	4.5	25.1	14.5	19	20	21.5
in.		0.35	1.06	0.18	0.99	0.57	0.75	0.79	0.85

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Recommended By Lemo

Accessories

Compatible cap

BRE.1K.200.NAS

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