

Standard



*Image for illustrative purpose only*

## Summary

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**BKT series**

Number of contacts Low Voltage	2
Number of contacts High Voltage	1
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	<a href="#">FGG.1K.702.CJAC50</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/egg-1k-702-cjl.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/egg-1k-702-cjl.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Solder
Number of contacts High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	1K.702 - 1 High V. 2 Low V.
Insulator	J: PEEK/PEEK
Rated current	12 A
Rated current HV (A)	2
Rated current LV (A)	8
Test voltage HV Ue (kV dc)	7.5
Test voltage HV Ue (kV rms)	5.3
Test voltage LV cont-cont sold.(kV rms)	1.2
Test voltage LV cont-shell sold.(kV rms)	0.9
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	19.25 g
Panel Drill Hole	M16

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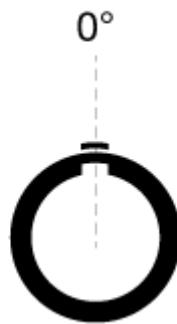
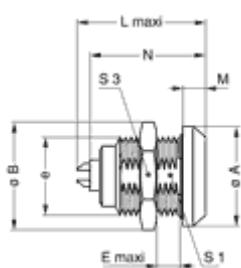
## Environment

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

	<b>e</b>	<b>E</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>S1</b>	<b>S3</b>	<b>A</b>	<b>B</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

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Compatible cap

BRE.1K.200.NAS

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