

Standard



*Image for illustrative purpose only*

## Summary

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BKT series

Number of contacts Low Voltage	10
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Panel Drill Hole	M24
Size	3K
Suggested matching part	<a href="#">FGG.3K.310.CLAC95</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/eeg-3k-310-clv.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eeg-3k-310-clv.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	PCB - Elbow
R (max)	3.6 mOhm
Insert configuration value	3K.310 - 10 Low Voltage
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Vtest (contact-contact)	1.8 kV (DC)
Vtest (contact-shell)	1.3 kV (DC)
Contact Dia.	1.3 mm (0.051in)
Gender	Standard

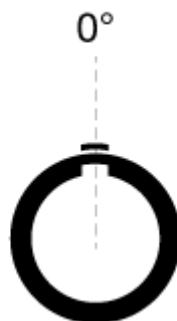
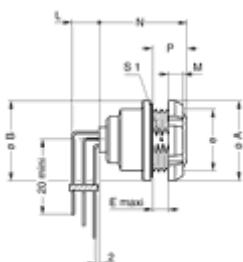
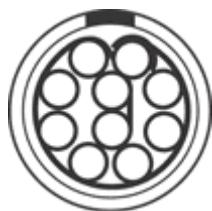
## Form & Material

Shell style / Model id	EE - Fixed receptacle, nut fixing, with elbow contacts for printed circuit (back panel mounting)
Socket / Receptacle	Fixed Panel Rear 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	61.85 g
Panel Drill Hole	M24

## 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

## Drawings



## Dimensions

	<b>E</b>	<b>e</b>	<b>B</b>	<b>A</b>	<b>M</b>	<b>N</b>	<b>P</b>	<b>S1</b>
mm.	7.5	M24x1.0	31	30	4.5	31.3	12	22.5
in.	0.3		1.22	1.18	0.18	1.23	0.47	0.89

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# Recommended By Lemo

## Accessories

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Compatible cap	<a href="#">BRE.3K.200.NAS</a>
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## Tools

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Spanner 2	<a href="#">DCM.65.270.AZ</a>
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Spanner wrench	<a href="#">DCM.65.270.AZ</a>
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## CAD

### Documents

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PCB	<a href="#">Download</a>
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PCB Eagle	<a href="#">Download</a>
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Kicad	<a href="#">Download</a>
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PCB Altium	<a href="#">Download</a>
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