

Standard



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Summary

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BKT series

Number of contacts Low Voltage	8
Wire Size/AWG	28 - 20
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 22.60 mm
Size	3K
Suggested matching part	FGL.3K.308.CLLC80
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eel-3k-308-cla.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	3K.308 - 8 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	13 A
Vtest (contact-contact)	2.3 kV (DC)
Vtest (contact-shell)	1.7 kV (DC)
Max. Solid Conductor	0.5 mm ² (AWG 20)
Max. Stranded Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	28 - 20
Gender	Reverse Gender

Form & Material

Shell style / Model id	EE - Fixed receptacle, nut fixing (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	2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	57.89 g

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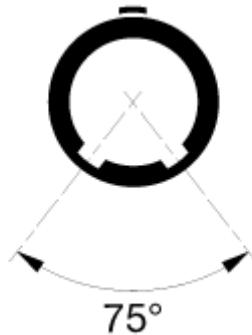
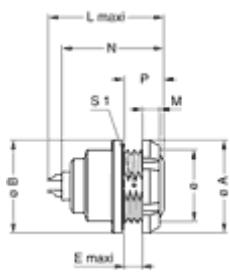
Environment

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 (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]	2.00 - 22.60 mm
Panel Drill Hole	M24

Drawings



Dimensions

	A	B	e	E	L	M	N	P	S1
mm.	30	31	M24x1.0	7.5	36.2	4.5	33.6	12	22.5
in.	1.18	1.22		0.3	1.43	0.18	1.32	0.47	0.89

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Recommended By Lemo

Accessories

Compatible cap	BRE.3K.200.NAS
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Tools

Spanner 2	DCM.65.270.AZ
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Spanner wrench	DCM.65.270.AZ
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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.08.T20.067PGCE	PVC	Grey	
CMN.08.T20.067PGZE		grey	
CMN.08.T20.067PNZE			
CMN.08.T22.059QGC	TPR	Grey	
CMN.08.T22.059QGZE	TPR (medical)	Grey	
CMN.08.T26.042QGZE	TPR (medical)	Grey	
108220	PVC	Black	
108240	PTFE	White	
108260	PTFE	White	
16080	PVC	Grey	
180240	PVC	Black	
180260	PVC	Black	
280250	PVC	Grey	
335990	PVC	Black	
335991	PVC	Black	
380500	PVC	Grey	
380750	PVC	Grey	
42265	PVC	Yellow	
80140	PVC	Grey	
8050	PVC	Black	
8280	PVC	Black	

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