

Standard

*Image for illustrative purpose only*

Summary

[Request a quote](#)[BKT series](#)

Number of contacts Low Voltage	10
Wire Size/AWG	34 - 28
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear 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.310.CLAC65
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eeg-1k-310-cll.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	1K.310 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 A
Vtest (contact-contact)	1.3 kV (DC)
Vtest (contact-shell)	2.1 kV (DC)
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Wire Size/AWG	34 - 28
Gender	Standard

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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	19.02 g
Panel Drill Hole	M16

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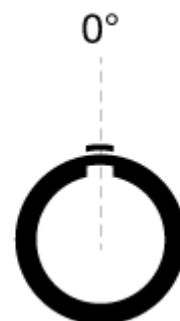
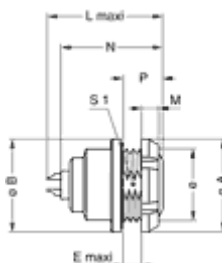
Environment

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

	P	N	M	L	E	e	B	A	S1
mm.	10	25.1	3.5	27	6.2	M16x1.0	20	20	14.5
in.	0.39	0.99	0.14	1.06	0.24		0.79	0.79	0.57



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Recommended By Lemo

Accessories	
Compatible cap	BRE.1K.200.NAS
Tools	
Spanner 2	DCM.65.176.AZ6
Spanner wrench	Socket for torque wrench DCM.1E.M16.6

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.10.T28.052PGZE		grey	
CMN.10.T28.052PNZE			
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110280	PVC	Black	