

Standard



Image for illustrative purpose only

Summary

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BKT series

Number of contacts Low Voltage	14
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Panel Drill Hole	M16
Size	1K
Suggested matching part	FGA.1K.314.CLAC45Z
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eea-1k-314-clv.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	14
Contact Termination Low voltage	PCB - Elbow
R (max) - electrical contact resistance	8.7 mOhm
Insert configuration value	1K.314 - 14 Low Voltage
Footprint IPC Class3 compatibility	Contact LEMO for details
Insulator	L: PEEK (UL 94 / V-0/1.5)
Test voltage contact-contact	1.1 kV DC
Test voltage contact-shell	1.7 kV DC
Contact Dia.	0.5 mm (0.0197 in)
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	2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	21.18 g
Panel Drill Hole	M16

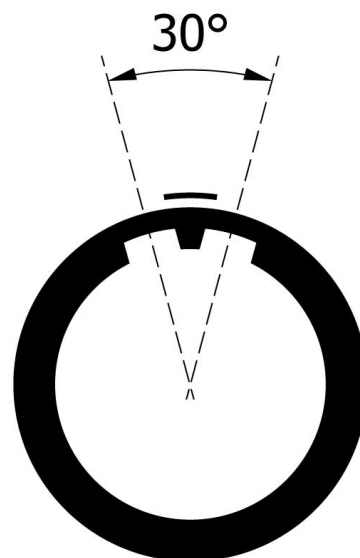
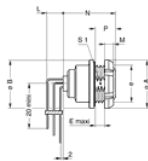
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Environment

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

Drawings



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Dimensions

	A	B	S1	e	P	N	M	E
mm.	20	20	14.5	M16x1.0	10	24.3	3.5	6.2
in.	0.79	0.79	0.57		0.39	0.96	0.14	0.24

Recommended By Lemo

Caps

Compatible cap	BRE.1K.200.NAS
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Cap 2	BRE.1K.200.CAS
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Tools

Spanner 2	DCM.65.176.AZ6
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Spanner wrench	Socket for torque wrench DCM.1E.M16.6
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