

Special



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Summary

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BKT series

Number of contacts Low Voltage	40
Number of contacts High Voltage	1
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Panel Drill Hole	M35
Jacket cable outside diameter [mm]	4.00 - 33.60 mm
Size	5B
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/egr-5b-740-clm6.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	40
Contact Termination Low voltage	Crimp
Number of contacts High Voltage	1
Contact Termination High voltage	Crimp
Insert configuration value	5B.740 - 1 High Voltage, 40 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	4.5 A
Test voltage contact-body shell	1.55 kV rms
Test voltage contact-contact	1.15 kV rms
Test voltage contact-inner high voltage plug shell	1.8 kV rms
Test voltage for the inner high voltage plug	10.5 kVdc, 7.5 kV rms
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 and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	R: 5 keys (alpha=95, beta=115, gamma=20, delta=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	398.18 g
Panel Drill Hole	M35

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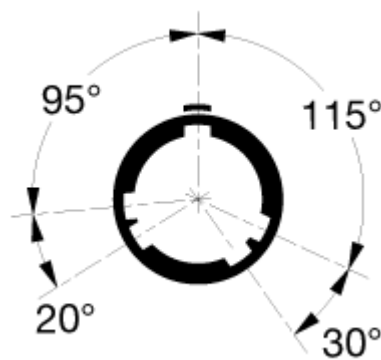
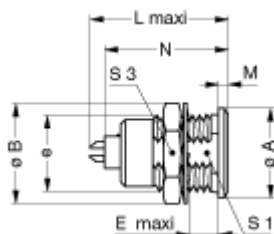
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 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]	4.00 - 33.60 mm
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Drawings



Dimensions

	e	E	L	M	N	S1	B	A
mm.	M35x1.0	11	43.5	3	39.6	33.5	40	40
in.		0.43	1.71	0.12	1.56	1.32	1.57	1.57

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Recommended By Lemo

Caps	
Compatible cap	BRE.5S.200.NAS
Cap 2	BRE.5S.200.NAV
Tools	
Positionner	DCE.91.095.BVM
Extraction tool	DCC.09.05B.LAG
Spanner wrench	Socket for torque wrench DCM.65.370.AZ