

Special

*Image for illustrative purpose only*

Summary

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BKT series

Number of contacts Low Voltage	48
Wire Size/AWG	24 - 20
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
Suggested matching part	FGG.5B.348.CYBD11 FHG.5B.348.CYBD17
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/egg-5b-348-cyp.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	48
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	3.6 mOhm
Insert configuration value	5B.348 - 48 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	6 A
Test voltage contact-contact	2.9 kV DC
Test voltage contact-shell	2.2 kV DC
Contact retention	40 N
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Bucket Dia.	1.1 mm (0.043 in)
Contact Dia.	1.3 mm (0.051 in)
Wire Size/AWG	24 - 20
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	145.05 g
Panel Drill Hole	M35

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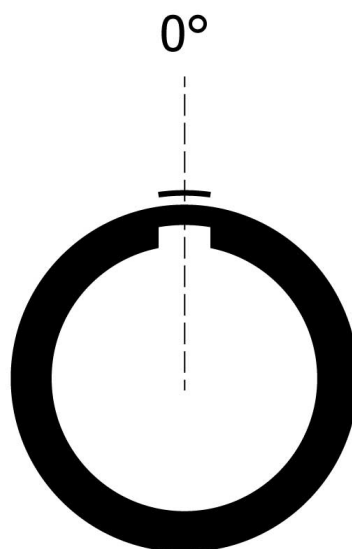
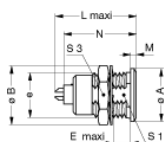
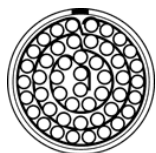
Environment

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

Drawings

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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

Recommended By Lemo

Caps

Compatible cap	BRE.5S.200.NAS
Cap 2	BRE.5S.200.NAV

Tools

Extraction tool	DCC.13.15B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	Socket for torque wrench DCM.65.370.AZ

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Cables

Cable PartNumber	Material	Colour	Cable image
448240	PVC	Black	
448260	PVC	Black	