

Special



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Summary

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BKT series

Number of contacts Low Voltage	48
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.00 - 23.60 mm
Size	4B
Suggested matching part	FGY.4B.348.PLAD10B
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eny-4b-348-pllb.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	48
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	4B.348 - 48 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3 A
Vtest (contact-contact)	1.1 kV (DC)
Vtest (contact-shell)	1.1 kV (DC)
Max. Solid Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	EN - Fixed receptacle with grounding tab, nut fixing, PSU or PPSU outer shell
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	PSU (Polysulfone) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	3 keys (beta=112.5, gamma=147.5°, plug: male contacts, receptacle: female contacts)
Weight	40.21 g

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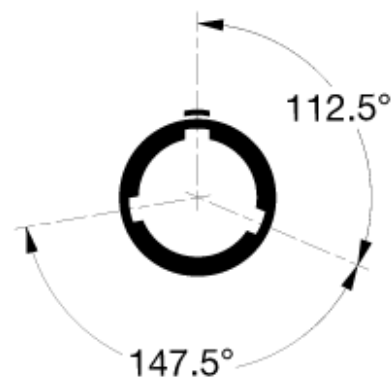
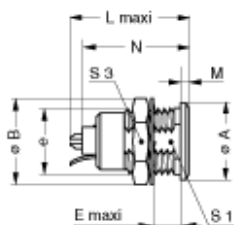
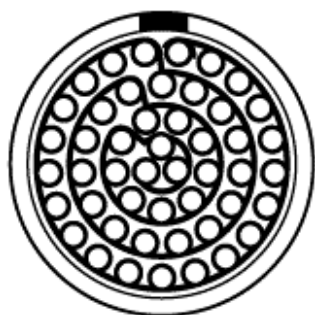
Environment

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	-50°C / +150°C
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]

Cable fixation

Jacket cable outside diameter [mm]	4.00 - 23.60 mm
Panel Drill Hole	M25

Drawings





Dimensions

	A	B	e	E	L max F1	L max F2	M	S1	S3
mm.	28	34	M25x1.0	12	34.5	38.5	2.5	23.5	30
in.	1.1	1.34		0.47	1.36	1.52	0.1	0.93	1.18

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Cables

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

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