

Special



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Summary

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BKT series

Number of contacts Low Voltage	3
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Fixed
Locking system	Push-pull
Panel Drill Hole	M9
Size	0B
Suggested matching part	HGG.0B.303.CLLZ
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/yhg-0b-303-clap.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	0B.303 - 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	8 A
Vtest (contact-contact)	1.7 kV (DC)
Vtest (contact-shell)	1.3 kV (DC)
Max. Solid Conductor	0.56 mm ² (AWG 20)
Max. Stranded Conductor	0.56 mm ² (AWG 20)
Bucket Dia.	1.0 mm (0.039in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	28 - 20
Gender	Standard

Form & Material

Shell style / Model id	YH - Fixed plug, non-latching, nut fixing
Plug	Fixed
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
Variant	Watertight unmated (connector to device)
Weight	6.64 g
Panel Drill Hole	M9

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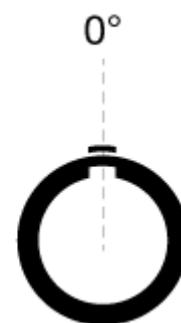
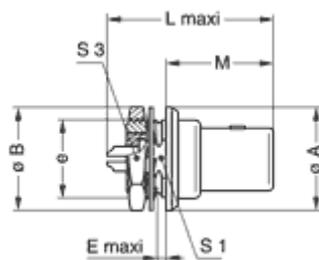
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP61
Endurance	5000 mating cycles
Temperature range	-20°C / +100°C
Climatic Category	20/80/21
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]
Pressure	60 bars
Salt Spray Corrosion	>1000 hr

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet

Drawings



Dimensions

	A	B	e	E	L	M	S1	S3
mm.	13	12.4	M9x0.6	2.4	24.1	14.2	8.2	11
in.	0.51	0.49		0.09	0.95	0.56	0.32	0.43

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