

Standard



Image for illustrative purpose only

Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	4
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	0B
Suggested matching part	FGG.0B.304.CLAD22
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/hmg-0b-304-clnp.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	PCB - Straight
R (max)	6.1 mOhm
Insert configuration value	0B.304 - 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest (contact-contact)	1.2 kV (DC)
Vtest (contact-shell)	1 kV (DC)
Contact Dia.	0.7 mm (0.028in)
Number of differentiated pairs (High speed)	1
Gender	Standard

Form & Material

Shell style / Model id	HM - Fixed receptacle with grounding tab, nut fixing, watertight or vacuum-tight (back panel mounting)
Socket / Receptacle	Fixed Panel Rear 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
Variant	Watertight unmated (connector to device)
Weight	2.43 g

Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP68
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

Recommended By Lemo

Accessories

Compatible cap	BRE.05.200.NAS
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Tools

Spanner 2	DCM.65.106.AZ4
Spanner wrench	Socket for torque wrench DCM.05.M09.4

CAD

Documents

PCB	Download
PCB Eagle	Download
Kicad	Download
PCB Altium	Download

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