



Image for illustrative purpose only

## **Summary**

### Request a quote

Catalog

Number of contacts Low Voltage	6
Wire Size/AWG	24 - 16
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.30 - 7.70 mm
Size	3B
Suggested matching part	FGG.3B.306.CLAD72
Series	B - Indoor keyed

https://www.lemo.com/int\_en/solutions/originals/b-indoor-keyed/pkg-3b-306-clld72.html

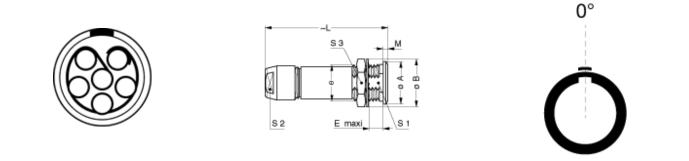
# **Technical details**

Number of contacts Low Voltage	6
Contact Termination Low voltage	Solder
R (max)	3.5 mOhm
Insert configuration value	3B.306 - 6 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	11 A
Vtest (contact-contact)	2.3 kV (DC)
Vtest (contact-shell)	1.7 kV (DC)
Max. Solid Conductor	1 mm^2 (AWG 16)
Max. Stranded Conductor	1 mm^2 (AWG 18)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Wire Size/AWG	24 - 16
Gender	Standard
orm & Material	
Shell style / Model id	PK - Fixed receptacle, nut fixing, cable collet
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	53.67 g

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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.)			
Climatical Category	50/175/21			
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				
Cable termination protection	Standard back nut (no additional protection)			
Fixation type	Cable collet			
Jacket cable outside diameter [mm]	6.30 - 7.70 mm			

## **Drawings**



### **Dimensions**

	Α	В	е	E	L	<b>S</b> 3	<b>S1</b>	<b>S2</b>	Μ
mm.	22	25	M18x1.0	11.5	56	22	16.5	14	2
in.	0.87	0.98		0.45	2.2	0.87	0.65	0.55	0.08

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## **Recommended By Lemo**

### Accessories

Compatible cap

BRA.3B.200.PCSG

# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T18.070PGZE		grey	
CMN.06.T18.070PNZE			
360500	PVC	Grey	

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