



Image for illustrative purpose only

### **Summary**

Request a quote

Catalog

Number of contacts Low Voltage	12
Wire Size/AWG	20 - 18
Gender	Reverse Gender
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	FGJ.4B.312.CYMD10
Series	B - Indoor keyed

https://www.lemo.com/int\_en/solutions/originals/b-indoor-keyed/egj-4b-312-cyc.html

# **Technical details**

Number of contacts Low Voltage	12			
Contact Termination Low voltage	Crimp			
R (max)	3.6 mOhm			
Insert configuration value	4B.312 - 12 Low Voltage			
Insulator	Y: PEEK for crimp contacts			
Rated current	12 A			
Vtest (contact-contact)	2.7 kV (DC)			
Vtest (contact-shell)	2.6 kV (DC)			
Contact retention	40 N			
Max. Conductor	1 mm^2 (AWG 18)			
Min. Conductor	0.5 mm^2 (AWG 20)			
Bucket Dia.	1.4 mm (0.055in)			
Contact Dia.	1.3 mm (0.051in)			
Wire Size/AWG	20 - 18			
Gender	Reverse Gender			
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	2 keys (alpha=37.5, plug: female contacts, receptacle: male contacts)			
Colour	Grey			
Weight	63.63 g			

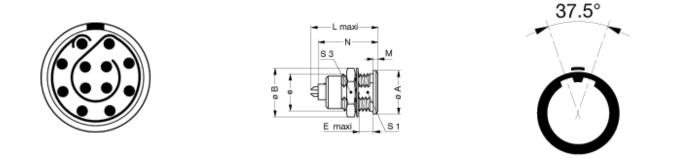
 $\underline{https://www.lemo.com/int\_en/solutions/originals/b-indoor-keyed/egj-4b-312-cyc.html}$ 

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			
lackat cable outside diameter [mm]	1.00		

Jacket cable outside diameter [mm]

4.00 - 23.60 mm

# **Drawings**



### **Dimensions**

	Α	В	е	E	L	<b>S1</b>	<b>S</b> 3	Ν	Μ
mm.	28	34	M25x1.0	12	35.7	23.5	30	34.1	2.5
in.	1.1	1.34		0.47	1.41	0.93	1.18	1.34	0.1

#### https://www.lemo.com/int\_en/solutions/originals/b-indoor-keyed/egj-4b-312-cyc.html

## **Recommended By Lemo**

Accessories		
Replacement contact	FGG.4B.565.ZZC	
Compatible cap	BRE.4S.200.NAS	
Tools		
Positionner	DCE.91.134.BVC	
Extraction tool	DCC.13.15B.LAG	
Crimp tool	DPC.91.701.V	

## Cables

Cable PartNumber	Material	Colour	Cable image
CMN.12.T22.070QGZE	TPR (medical)	Grey	
CMN.12.T28.054PGZE		grey	
CMN.12.T28.054PNZE			
112240	PTFE	White	
112260	PTFE	White	
112280	PVC	Black	
12050	PVC	Black	
124080	PVC	Grey	
124084	PVC	Black	
212220	PVC	Black	
212240	PVC	Black	
212250	PVC	Grey	
212260	PVC	Black	
412500	PVC	Grey	
412750	PVC	Grey	

#### https://www.lemo.com/int\_en/solutions/originals/b-indoor-keyed/egj-4b-312-cyc.html