

Summary

[Request a quote](#)

[See video assembly instructions](#)

Low Voltage	9
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.30 - 4.20 mm
Matching parts	EGG.0B.309.CLL
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-0b-309-clad42z.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Electrical Configuration

Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0B.309 - 9 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 Amps
Vtest (contact-contact)	600 V (AC), 850 V (DC)
Vtest (contact-shell)	500 V (AC), 710 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Low Voltage	9
Wire Size/AWG	34 - 28
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Variant	Nut for fitting a bend relief
Weight	8.85 g

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-0b-309-clad42z.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

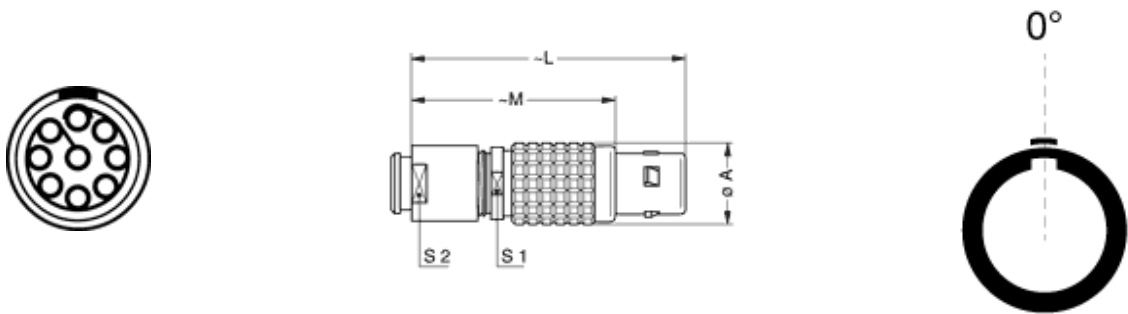
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection	IP50
Temp (min / max)	-55°C / +250°C
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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.30 - 4.20 mm

Drawings



Dimensions

	S2	A	L	M	S1
mm.	7	9.5	35	25	8
in.	0.28	0.37	1.38	0.98	0.31

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-0b-309-clad42z.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Recommended By Lemo

Accessories	
Compatible cap	BFG.0B.100.PCSG
Tools	
Spanner wrench	DCD.0B.ZZZ.PA070