



Summary

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Low Voltage	3
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Matching parts	EGG.1B.303.CLL
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fpg-1b-303-clad52.html

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Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	1B.303 - 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 Amps
Vtest (contact-contact)	1300 V (AC), 1840 V (DC)
Vtest (contact-shell)	1550 V (AC), 2200 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.5 mm ² (AWG 20)
Max. Stranded Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Low Voltage	3
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Gender	Standard

Form & Material

Shell style / Model id	FP - Elbow (90°) plug with cable collet
Plug	Elbow
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)
Weight	21.87 g

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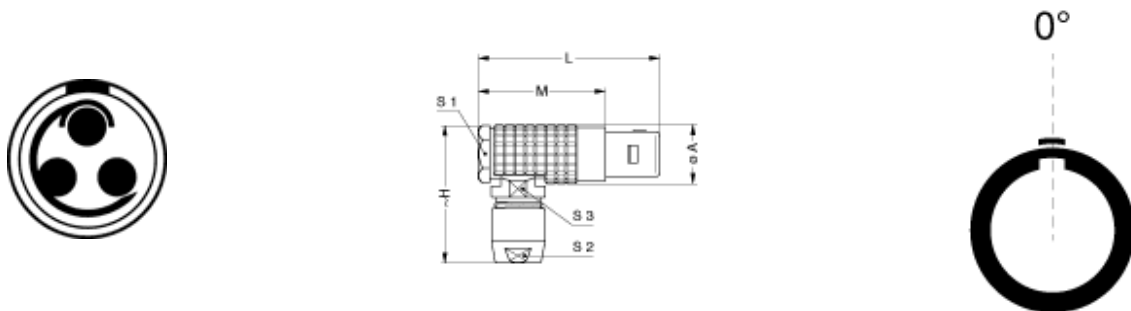
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection	IP50
Minimal temperature	-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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.30 - 5.20 mm

Drawings



Dimensions

	A	H	L	M	S1	S2	S3
mm.	12	29	36	25	11	9	10
in.	0.47	1.14	1.42	0.98	0.43	0.35	0.39



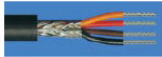



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Recommended By Lemo

Accessories	
Tools	
Spanner wrench	DCD.1B.ZZZ.PA090

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.03.T20.049PGZE		grey	
CMN.03.T20.049PNZE			
130240	PVC	Black	
130250	PVC	Grey	
30260	PVC	Black	
3220	PVC	Black	
60080	PVC	Grey	