



Summary

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Number of contacts Low Voltage	7
Wire Size/AWG	34 - 28
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 8.30 mm
Size	0B
Matching parts	FGG.0B.307.CLAD52Z
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecg-0b-307-cll.html

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Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0B.307 - 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2.5 Amps
Vtest (contact-contact)	800 V (AC), 1130 V (DC)
Vtest (contact-shell)	700 V (AC), 990 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)
Number of contacts Low Voltage	7
Wire Size/AWG	34 - 28
Gender	Standard

Form & Material

Shell style / Model id	EC - Fixed receptacle with two nuts (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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	5.02 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 sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-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

Jacket cable outside diameter [mm]	1.00 - 8.30 mm
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Drawings



Dimensions

	A	B	S3	M	N	S1	L	E	e
mm.	12	12.4	11	2.5	19.1	8.2	20.7	5.5	M9x0.6
in.	0.47	0.49	0.43	0.1	0.75	0.32	0.81	0.22	






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Recommended By Lemo

Accessories	
Tools	
Spanner 2	DCH.91.121.PA
Spanner wrench	Socket for torque wrench DCM.65.100.AZ and DCM.05.M09.4

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.07.T28.044PGZE		grey	
CMN.07.T28.044PNZE			
7041	PVC	Grey	
7050	PVC	Black	
717920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	