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Summary

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Number of contacts Low Voltage	9
Wire Size/AWG	32 - 28
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 8.30 mm
Size	0B
Series	B - Indoor keyed

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

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	8.7 mOhm
Insert configuration value	0B.309 - 9 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	2 A
Vtest (contact-contact)	1000 V (AC), 1400 V (DC)
Vtest (contact-shell)	850 V (AC), 1200 V (DC)
Contact retention	12 N
Contact Type	Crimp
Max. Conductor	0.09 mm ² (AWG 28)
Min. Conductor	0.035 mm ² (AWG 32)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Number of contacts Low Voltage	9
Wire Size/AWG	32 - 28
Gender	Reverse Gender

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	2 keys (gamma=45, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	5.86 g

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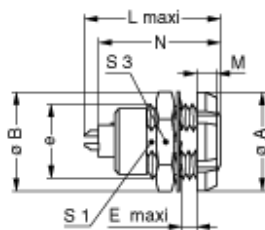
Environment

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

Replacement contact	FGG.0B.554.ZZC
Compatible cap	BRE.0S.200.NAS
Tools	
Spanner 2	DCH.91.121.PA
Positionner	DCE.91.050.BVC
Extraction tool	DCC.05.02B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	Socket for torque wrench DCM.65.100.AZ and DCM.0S.M09.4

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.09.T28.050CNQZ			
CMN.09.T28.051PGZE		grey	
CMN.09.T28.051PNZE			
CMN.09.T28.051QGZE	TPR (medical)	Grey	

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