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Summary

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Number of contacts Low Voltage	2
Wire Size/AWG	14 - 10
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 16.60 mm
Size	3B
Suggested matching part	FGJ.3B.302.CYMD12
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecj-3b-302-cyc.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	3.1 mOhm
Insert configuration value	3B.302 - 2 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	35 A
Vtest (contact-contact)	2300 V (AC), 3250 V (DC)
Vtest (contact-shell)	1800 V (AC), 2550 V (DC)
Contact retention	75 N
Contact Type	Crimp
Max. Conductor	4 mm ² (AWG 10)
Min. Conductor	2.5 mm ² (AWG 14)
Bucket Dia.	2.9 mm (0.114in)
Contact Dia.	3 mm (0.118in)
Number of contacts Low Voltage	2
Wire Size/AWG	14 - 10
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 (alpha=37.5, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	28.19 g

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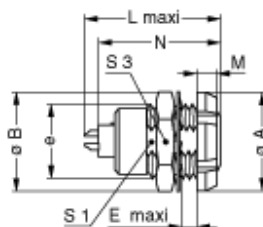
Environment

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]	2.00 - 16.60 mm
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Drawings



Dimensions

	B	A	E	L	M	N	S1	S3	e
mm.	25	24	9	30.7	4.5	28.1	16.5	22	M18x1.0
in.	0.98	0.94	0.35	1.21	0.18	1.11	0.65	0.87	

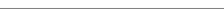
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Recommended By Lemo

Accessories	
Replacement contact	FGG.3B.580.ZZC
Compatible cap	BRE.3S.200.NAS
Tools	
Positionner	DCE.91.303.BVCM
Extraction tool	DCC.30.35B.LAG
Crimp tool	DPC.91.102.V
Spanner wrench	Socket for torque wrench DCM.65.200.AZ

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.02.T12.078PGZE		grey	
CMN.02.T12.078PNZE		black	
CMN.02.T14.072PGZE		grey	
CMN.02.T14.072PNZE		black	
CMN.02.T14.072QGZE	TPR (medical)	Grey	
CMN.02.T14.078PGZE		grey	
CMN.02.T14.078PNZE			
CMN.02.T18.064UNCU			
CMN.02.T20.047PGZE		grey	
CMN.02.T20.047PNZE			
CMN.02.T20.048QGZE	TPR (medical)	Grey	
CMN.02.T28.030PGCE	PVC	GREY	
CMN.02.T28.030PGZE		grey	
CMN.02.T28.030PNCE	PVC	Black	
CMN.02.T28.030PNZE			
102080	PVC	Grey	
120184	PVC	Black	
120240	PVC	Black	
120250	PVC	Grey	
120500	PVC	Grey	
120501	PVC	Grey	
120751	PVC	Grey	
20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
2050	PVC	Black	
20550	PUR	Black	
20560	PUR	White	
2080	PVC	Grey	
220151	PVC	Grey	
220750	PVC	Grey	
2221	PVC	Black	
2260	PTFE	White	
2280	PVC	Black	
320150	PVC	Grey	
4082	PVC	Grey	
CMB.02.210.635	PUR	Black	

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