# **EEJ.1B.304.CYC**





Image for illustrative purpose only

### **Summary**

#### Request a quote

Catalog	
Number of contacts Low Voltage	4
Wire Size/AWG	24 - 20
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 10.60 mm
Size	1B
Suggested matching part	FGJ.1B.304.CYMD42
Series	B - Indoor keyed

### **Technical details**

#### **Electrical Configuration**

Liectrical configuration					
Number of contacts Low Voltage	4				
Contact Termination Low voltage	Crimp				
R (max)	4.8 mOhm				
Insert configuration value	1B.304 - 4 Low Voltage				
Insulator	Y: PEEK for crimp contacts				
Rated current	10 A				
Vtest (contact-contact)	2.4 kV (DC)				
Vtest (contact-shell)	2.6 kV (DC)				
Contact retention	30 N				
Max. Conductor	0.5 mm^2 (AWG 20)				
Min. Conductor	0.25 mm^2 (AWG 24)				
Bucket Dia.	1.1 mm (0.043in)				
Contact Dia.	0.9 mm (0.035in)				
Number of differentiated pairs (High speed)	1				
Wire Size/AWG	24 - 20				
Gender	Reverse Gender				
Form & Material					
Shell style / Model id	EE - Fixed receptacle, nut fixing (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 conta receptacle: male contacts)					
Colour	Grey				
Weight	11.32 g				

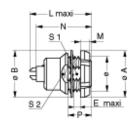
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#### **Environment**

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 (max. temperature valid for short periods of use.)			
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 - 10.60 mm			

# **Drawings**







### **Dimensions**

	A	е	E	L	M	N	P	S1	<b>S2</b>	В
mm.	16	M12x1.0	6.5	23	3.5	21.1	11	10.5	13	16
in.	0.63		0.26	0.91	0.14	0.83	0.43	0.41	0.51	0.63

# **Recommended By Lemo**

#### **Accessories**

Replacement contact	FGG.1B.560.ZZC		
Compatible cap	BRE.1S.200.NAS		
Tools			
Positionner	DCE.91.091.BVC		
Extraction tool	DCC.09.05B.LAG		
Crimp tool	DPC.91.701.V		
Spanner wrench	Socket for torque wrench DCM.65.130.AZ and DCM.1S.M12.4		

### **Cables**

Cable PartNumber	Material	Colour	Cable image
CMN.04.T20.053PGZE		grey	<b>&gt;</b>
CMN.04.T20.053PNZE			<b>&gt;</b> ——€
CMN.04.T20.053QGZE	TPR (medical)	Grey	<b>&gt;—</b> €
CMN.04.T22.047QGC	TPR	Grey	
CMN.04.T22.048QGZE	TPR (medical)	Grey	<b>→</b>
CMN.04.T28.031PGCE	PVC	GREY	<b>&gt;</b>
CMN.04.T28.031PGZE		grey	>€
CMN.04.T28.031PNCE	PVC	Black	
CMN.04.T28.031PNZE			<b>&gt;</b>
CMN.04.T28.031QGC	TPR	Grey	
140240	PVC	Black	
140250	PVC	Grey	<b>&gt;</b>
240500	PVC	Grey	
240750	PVC	Grey	
40080	PVC	Black	
40086	PVC	Blue	
40140	PVC	Black	-3-
40240	PTFE	White	<b>&gt;</b>
40260	PVC	Black	
4041	PVC	Grey	€
4050	PVC	Black	
4080	PVC	Grey	
417920	PVC	Grey	
4220	PVC	Black	
4221	PVC	Black	
4260	PTFE	White	<b>≥</b>
4280	PVC	Black	
80080	PVC	Grey	
80082	PVC	Red	
80084	PVC	Black	
CTR.75.030.121870G	PVC	Grey	<b>→</b>

#### $\underline{https://www.lemo.com/int\_en/solutions/originals/b-indoor-keyed/eej-1b-304-cyc.html}$

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