# ECJ.3B.318.CYC





Image for illustrative purpose only

### **Summary**

#### Request a quote

Catalog	
	10
Number of contacts Low Voltage	18
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]	2.00 - 16.60 mm
Size	3B
Suggested matching part	FGJ.3B.318.CYMD12
Series	B - Indoor keyed

### **Technical details**

#### **Electrical Configuration**

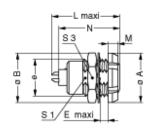
<b>3</b>	
Number of contacts Low Voltage	18
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	3B.318 - 18 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	7 A
Vtest (contact-contact)	2.6 kV (DC)
Vtest (contact-shell)	2.3 kV (DC)
Contact retention	30 N
Max. 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)
Wire Size/AWG	24 - 20
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	29.94 g

#### **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]	2.00 - 16.60 mm			

# **Drawings**







#### **Dimensions**

	В	A	E	L	M	N	<b>S1</b>	<b>S3</b>	е
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	

# **Recommended By Lemo**

#### **Accessories**

Replacement contact	FGG.3B.560.ZZC		
Compatible cap	BRE.3S.200.NAS		
Tools			
Positionner	DCE.91.093.BVC		
Extraction tool	DCC.09.05B.LAG		
Crimp tool	DPC.91.701.V		
Spanner wrench	Socket for torque wrench DCM.65.200.AZ		

### **Cables**

Cable PartNumber	Material	Colour	Cable image
CMN.18.T30.048QGZE	TPR (medical)	Grey	
218220	PVC	Black	
218240	PVC	Black	
218260	PVC	Black	
236080	PVC	Grey	
318250	PVC	Grey	