## ECA.2B.303.CLL





Image for illustrative purpose only

## **Summary**

#### Request a quote

Catalog	
Number of contacts Low Voltage	3
Wire Size/AWG	24 - 16
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 13.60 mm
Size	2B
Suggested matching part	FGA.2B.303.CLAD42
Series	B - Indoor keyed

# **Technical details**

### **Electrical Configuration**

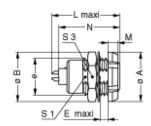
<b>3</b>				
Number of contacts Low Voltage	3			
Contact Termination Low voltage	Solder			
R (max)	3.5 mOhm			
Insert configuration value	2B.303 - 3 Low Voltage			
Insulator	L: PEEK (UL 94 / V-0/1.5)			
Rated current	17 A			
Vtest (contact-contact)	3.5 kV (DC)			
Vtest (contact-shell)	2.6 kV (DC)			
Max. Solid Conductor	1 mm^2 (AWG 16)			
Max. Stranded Conductor	1 mm^2 (AWG 18)			
Bucket Dia.	1.4 mm (0.055in)			
Contact Dia.	1.6 mm (0.063in)			
Wire Size/AWG	24 - 16			
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	A: 2 keys (alpha=30, plug: male contacts, receptacle female contacts)			
Colour	Grey			
Weight	15.02 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 - 13.60 mm				

# **Drawings**







### **Dimensions**

	В	A	L	M	N	<b>S1</b>	<b>S3</b>	E	е
mm.	19.2	20	26.7	3.5	24.6	13.5	17	6.5	M15x1.0
in.	0.76	0.79	1.05	0.14	0.97	0.53	0.67	0.26	

# **Recommended By Lemo**

#### **Accessories**

Compatible cap

BRE.2S.200.NAS

### **Cables**

Cable PartNumber	Material	Colour	Cable image
CMN.03.T18.055PGZE		grey	<b>∋</b> ——€
CMN.03.T18.055PNZE			<del></del>
CMN.03.T18.055QGZE	TPR (medical)	Grey	<b>⇒</b> =
CMN.03.T20.049PGZE		grey	
CMN.03.T20.049PNZE			5
CMN.03.T28.031PGCE	PVC	GREY	>
CMN.03.T28.031PGZE		grey	
CMN.03.T28.031PNCE	PVC	Black	<b>3</b>
CMN.03.T28.031PNZE			5
130240	PVC	Black	
130250	PVC	Grey	>=====
230500	PVC	Grey	>=====
230750	PVC	Grey	>======
30110	PVC	Grey	— <del>-</del>
30141	PVC	Grey	
30260	PVC	Black	
3041	PVC	Grey	€
3050	PVC	Black	
3081	PVC	Black	
3220	PVC	Black	
3280	PVC	Black	<b>K</b>
60080	PVC	Grey	