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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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XB is a new size to complete the B Series connector range

LEMO B Series connectors are now available with a new connector size.

The XB Series can accommodate 12 or 22 electrical contacts. This connector is an intermediate connector size between the well known 1B and 2B Series. The market need for a compact connector resulted in this new high contact density product.

Features

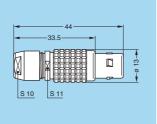
endurance: over 5000 mating cycles temperature range: -55°C to + 250°C protection index: IP 50 (when mated) 360° screening for full EMC shielding high packing density for space savings





Models





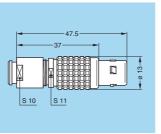
FGG Straight plug, key (G) or keys (A and E), cable collet

Part Number	Number of contacts				
FGG.XB.312.CLAD••	12				
FGG.XB.322.CLAD••	22				

Note: Replace by •• collet size reference (see table).





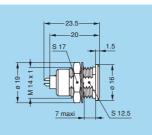


FGG Straight plug, key (G) or keys (A and E), cable collet and nut for fitting a bend relief

Part Number	Number of contacts				
FGG.XB.312.CLAD••Z	12				
FGG.XB.322.CLAD••Z	22				

Note: Replace by •• collet size reference (see table). The bend relief must be ordered separately.

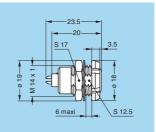




EGG Fixed socket, key (G) or keys (A and E), nut fixing

Part Number	Number of contacts				
EGG.XB.312.CLL	12				
EGG.XB.322.CLL	22				

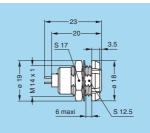




Fixed socket with two nuts, key (G) or keys (A and E) (back panel mounting)

Part Number	Number of contacts
ECG.XB.312.CLL	12
ECG.XB.322.CLL	22

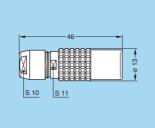




Fixed socket with two nuts, key (G) or keys (A and E) and straight contact for printed circuit (back panel mounting)

Part Number	Number of contacts				
ECG.XB.312.CLN	12				
ECG.XB.322.CLN	22				





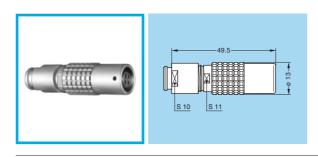
PHG Free socket, key (G) or keys (A and E), cable collet

Part Number	Number of contacts
PHG.XB.312.CLLD••	12
PHG.XB.322.CLLD••	22

Note: Replace by •• collet size reference (see table).

Note: All dimensions are in millimetres.





PHG Free socket, key (G) or keys (A and E), cable collet and nut for fitting a bend relief

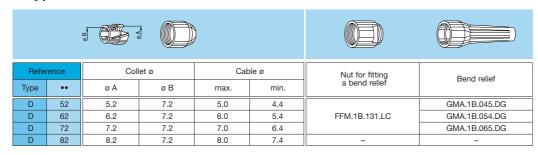
Part Number	Number of contacts				
PHG.XB.312.CLLD••Z	12				
PHG.XB.322.CLLD••Z	22				

Note: Replace by •• collet size reference (see table). The bend relief must be ordered separately.

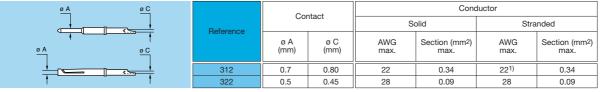
Insert configuration and electrical characteristics

Male solder contacts	Female solder contacts				Con		Sol	der tact	
			contacts			t)	(kV rms)	(kV rms)	nt (A)
	(462)	Reference	Number of o	ø A (mm)	Solder	Print (straight)	Test voltage (kV Contact-contact	Test voltage (kV Contact-shell	Rated current (A)
		312	12	0.7	•	•	1.35	1.65	5.00
		322	22	0.5	•	•	0.50	0.90	1.50

D type collets for XB series



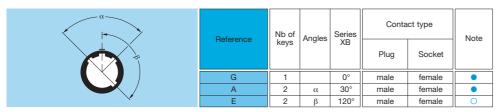
Contacts (solder type)

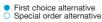


Note: 1) for a given AWG, the diameter of some stranded conductor designs is larger than the solder cup diameter. Make sure that the maximum conductor diameter is smaller than ø C.

Alignment Key and Polarized Keying System

XB series connector model part numbers are composed of three letters. The LAST LETTER indicates the key position.

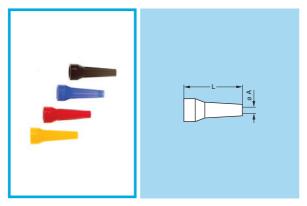








Accessories



Note: Material: Polyurethane elastomer Temperature range in dry atmosphere: -40°C +80°C

GMA Bend relief for FGG and PHG models with nut for fitting a bend relief

	Dimensions (mm)					
Part Number	Bend	relief	Cable ø			
	Α	L	max.	min.		
GMA.1B.040.DG	4.0	30	4.4	4.0		
GMA.1B.045.DG	4.5	30	4.9	4.5		
GMA.1B.054.DG	5.4	30	6.0	5.4		
GMA.1B.065.DG	6.5	30	7.0	6.5		

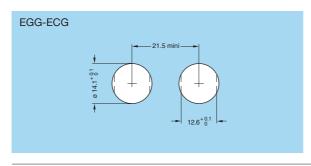
Ref.	Colour
Α	blue
В	white
G	grey

Ref.	Colour
J	yellow
М	brown
N	black

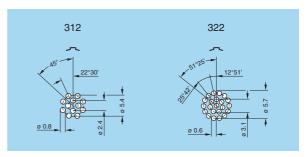
Ref.	Colour
R	red
S	orange
V	green

 $\label{eq:Note: The last letter $G of the part number indicates the colour grey of the bend relief. For others colour, refer to the above table and replace letter $G by the letter of the colour required.}$

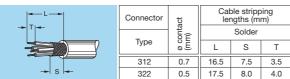
Panel cut-out



PCB drilling pattern



Cable stripping lengths



Note: all dimensions are in millimetres.

Mounting nut torque

Torque (Nm)
5.0

Refer to B series catalog for general characteristics

LEMO HEADQUARTERS

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