N SERIES REMOTE HANDLING (Telemanipulator Connectors)



A range of remote handling stainless steel connectors suitable for operating in harsh environments such as nuclear reprocessing cells and the chemical industry. Features include alignment system and connection identification for ease of use.

Features/Benefits

- Self-latching connection system based on K series.
- Easy handling and gripping with highly efficient pre-positioning.
- Reduced mating and unmating forces.
- Black visual indicator on plug and socket shell.
- Cable clamp on all plugs.
- Wide range of multiway, multicoax, fibre and hybrid contact configurations from B Series range.
- Stainless steel or chrome-plated brass shell depending on application requirements.



Specifications

Shell material and Treatment

		Code		Surface treatment (µm)				
Component	Material (Standard)			Chrome				
		С	Т	Cu	Ni	Cr		
Outer shell, collet clamp,	Brass (UNS C 38500)	•		0.5	3	0.3		
pre-positioning sleeve, washer	AISI 304		•	With	out treat	ment		
Latch sleeve	Special brass	•		0.5	3	0.3		
	Special stainless steel		•	With	out treat	ment		
Earthing crown	Brass (UNS C 38500)	•		0.5	3	-		
Laruning crown	AISI 304		•	Without treatment				
Pin, screw	Stainless steel	Without treat				ment		
Other metallic parts	Brass (UNS C 38500)	•	•	0.5	3	-		
Other metanic parts	AISI 304			Without treatment				
O-ring and gasket	Silicone	•		Without treatment				
O-Illig and gasket	FPM (Viton®)		•	Without treatment				
Sealing resin (for ADL)	Ероху	•	•	With	out treat	ment		
Insulator	PEEK	out treat	ment					

Note:

the surface treatment standards are as follows:

- chrome FS-QQ-C-320B
- nickel FS-QQ-N-290A

Contacts

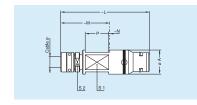
Solder or crimp as per LEMO B series program

Types

- Multipin, for all models
- Mixed coax + LVMixed HV + LV
- Mixed F.O. + LV

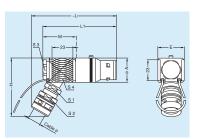
only for FZG, and EDG as per LEMO B series program size 3, 4 and 5.

Model(s) description



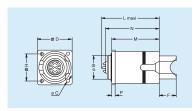
FZG Straight plug with positioning pin, cable clamp, and smooth handling surface

Series	А	L	М	N	Р	S1	S2	Cab l e ø maxi
ЗN	25	103	55	1	25	21	20	12.0
4N	31	112	62	1	30	26	25	17.0
5N	45	155	90	1	50	39	40	28.5



FMG Elbow plug (120°) with positioning pin, cable clamp and rough narrow handling surface

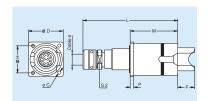
	Series	А	Е	Н	L	L1	м	S1	S2	S3	S4	Cable ø maxi
I	4N	31	36	76	109	92.5	42.8	22	25	24	30	17.0
I	5N	45	48	117	154	131.5	65.5	36	40	38	42	28.5



EDG Straight socket with square flange, 4 screw fixing, with long pre-positioning sleeve. Without earthing crown

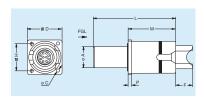
Series	В	С	D	F	Н	L	М	N ^{rj}	Р
3N	24	3.2	34	18.5	27	63.6	50	58.5	3
4N	30	4.2	43	20.0	35	69.6	54	64.5	4
5N	45	5.2	58	28.0	46	86.1	66	79.0	5

Note: 19 max. length with crimp contacts.



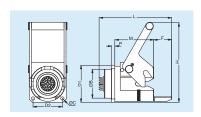
PBG Fixed socket with square flange, 4 screw fixing, with long pre-positioning sleeve and cable clamp. Without earthing crown.

Series	А	С	D	F	H	L	М	Р	S2	Cable ø maxi
3N	24	3.2	34	18.5	27	108	50	3	20	12.0
4N	30	4.2	43	20.0	35	120	54	4	25	17.0
5N	45	5.2	58	28.0	46	157	66	5	40	28.5



Fixed adaptor with square flange, 4 screw fixing, with long pre-positioning sleeve. Adapter for FGL K series plugs. Vacuumtight. Without earthing crown.

Series	А	С	D	F	Н	L	М	Р
3N	24	3.2	34	18.5	27	92.0	50	3
4N	30	4.2	43	20.0	35	104.2	54	4
5N	45	5.2	58	28.0	46	126.5	66	5



Fixed socket for remote handling with square flange and lever. Without earthing crown.

Series	В	С	D1	D2	F	Н	L	М	Р
3N	24	3.2	34	27	18.5	85.5	80.5	47	3
4N	30	4.2	43	35	20	97.5	90	50	4
5N	45	5.2	58	46	28	125.5	117.5	61	5
		_		_	_		_		_

Please visit the LEMO website for further information:



LEMO UK Ltd

