

Series B

Technical Characteristics

Mechanical and Climatical

Characteristics	Value	Standard
Endurance	> 5000 cycles	IEC 60512-5 test 9a
Humidity	up to 95% at 60° C	
Temperature range	- 55° C, +250° C	
Resistance to vibration	10-2000 Hz, 15 g	IEC 60512-4 test 6d
Shock resistance	100 g, 6 ms	IEC 60512-4 test 6c
Salt spray corrosion test	> 144h	IEC 60512-6 test 11f
Protection index (mated)	IP50	IEC 60529
Climatical category	55/175/21	IEC 60068-1

Metal housing models

Electrical

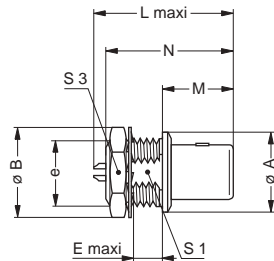
Characteristics	Value	Standard
Shielding efficiency	at 10 MHz	> 75 dB
	at 1 GHz	> 40 dB
		IEC 60169-1-3
		IEC 60169-1-3

Note:

the various tests have been carried out with FGG and EGG connector pairs, with chrome-plated brass shell and PEEK insulator.

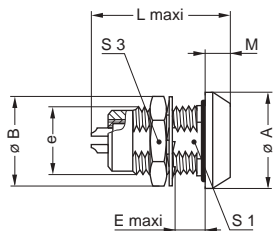
FAG Fixed plug, non-latching, nut fixing, key (G) or keys (A...M and R)

Reference		Dimensions (mm)									
Model	Series	A	B	e	E	L	M	N	S1	S3	
FAG	00	8	10.2	M7x0.5	2.9	18.1	9.0	15.0	6.3	9	
FAG	0B	10	12.4	M9x0.6	4.2	20.8	11.5	18.9	8.2	11	
FAG	1B	14	15.8	M12x1.0	5.4	25.2	12.5	21.6	10.5	14	
FAG	2B	18	19.2	M15x1.0	6.0	28.7	13.8	23.9	13.5	17	



HGG Fixed socket, nut fixing, key (G) or keys (A...M and R), watertight or vacuumtight

Reference		Dimensions (mm)									
Model	Series	A	B	e	E	L	M	S1	S3		
HGG	00	11	10.2	M7x0.5	8.0	18.0	1.5	-	9		
HGG	0B	13	12.4	M9x0.6	7.0	20.2	3.0	8.2	11		
HGG	1B	18	15.8	M12x1.0	7.0	26.6	4.5	10.5	14		
HGG	2B	20	19.2	M15x1.0	8.0	31.6	4.0	13.5	17		



Order information B

FG G - 0 B - 306 - C L A D 62 Z

1 2 3 4 5 6 7 8 9 10 11

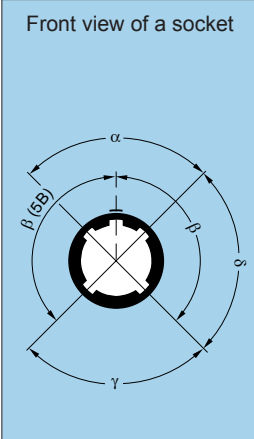
1. Model: F — plug; E — cable receptacle; H — waterproof receptacle;
P — receptacle; X — receptacle PCB soldering
2. Key
3. Size
4. Series
5. Number of contacts: 306 - 6 contacts
6. Body material: C — chromium-plate brass
7. Insulator material: L — PEEK; Y — PEEK, long insulator, crimp
8. Type of pin: L — socket, solder; A — pin; M — socket, crimp;
Y — socket, crimp; V — socket, elbow print
9. Collet mechanism: D — collet for B socket
10. Collet diameter: 62 — 6,2mm
11. Z - shock absorber for cable, option

Alignment Key

Series B

Alignment Key and Polarized Keying System

K series connector model part numbers are composed of three letters. The LAST LETTER indicates the key position and the contact type (male or female).

Front view of a socket 	Reference	Nb of keys	Angles	Series				Contact type	
				00	0B	1B	2B	Plug	Socket
	G	1		0°	0°	0°	0°	male	female
	A	2	α	30°	30°	30°	30°	male	female
	B	2		60°	60°	60°	45°	male	female
	C	2	β	—	90°	90°	60°	male	female
	D	2		—	135°	135°	95°	male	female
	E	2		—	145°	145°	120°	male	female
	F	2		—	155°	155°	145°	male	female
	J	2	γ	45°	45°	45°	37.5°	female	male
	K	2		—	70°	70°	52.5°	female	male
	L	2		—	80°	80°	70°	female	male
	M	2	δ	—	110°	—	—	female	male

Note:

- First choice alternative
- Special order alternative