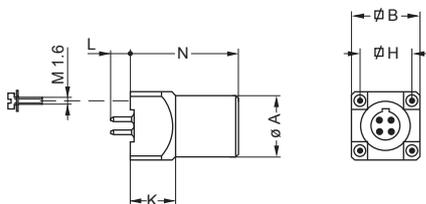
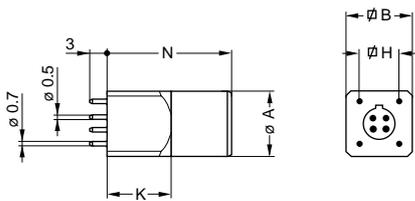


Series B

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	IEC 60169-1-3
	at 1 GHz	> 40 dB	IEC 60169-1-3

Note:

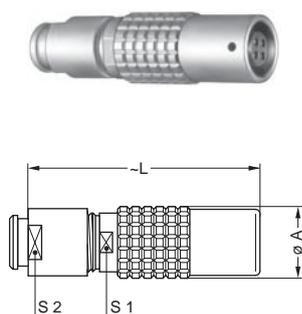
the various tests have been carried out with FGG and EGG connector pairs, with chrome-plated brass shell and PEEK insulator.

EZG Straight socket for printed circuit, key (G) or keys (A, B)

Reference		Dimensions (mm)				
Model	Series	A	B	H	K	N
EZG	00	6.8	7	5.08	7	14

EZG Straight socket for printed circuit, key (G) or keys (A...F)

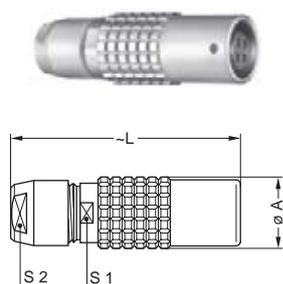
Reference		Dimensions (mm)				
Model	Series	A	B	H	K	N
EZG	0B	9	10	7.62	8	15.0
EZG	1B	11	12	7.62	8	19.0
EZG	2B	14	15	10.16	9	22.5



PHG Free socket, key (G) or keys (A...M), cable collet and nut for fitting a bend relief ²⁾

Reference		Dimensions (mm)			
Model	Series	A	L	S1	S2
PHG	00 ¹⁾	6.8	34.0	5.5	6
PHG	0B	9.5	34.5	8.0	7
PHG	1B	12.5	39.5	10.0	9
PHG	2B	16.5	46.0	13.0	12

Note: ¹⁾ the surface design of the 00 series is different.
²⁾ to order, add a «Z» at the end of the reference.



PHG Free socket, key (G) or keys (A...M and R), cable collet

Reference		Dimensions (mm)			
Model	Series	A	L	S1	S2
PHG	00 ¹⁾	6.8	26.0	5.5	5
PHG	0B	9.5	35.5	8.0	7
PHG	1B	12.5	40.5	10.0	9
PHG	2B	16.5	47.0	13.0	12

Note: ¹⁾ the surface design of the 00 series is different.

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).

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		–	90°	90°	60°	male	female
D	2	β	–	135°	135°	95°	male	female
E	2		–	145°	145°	120°	male	female
F	2		–	155°	155°	145°	male	female
J	2		45°	45°	45°	37.5°	female	male
K	2	γ	–	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