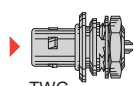


B SERIES (Indoor, Keyed)

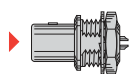


Metal housing models (page 14)

Fixed plugs

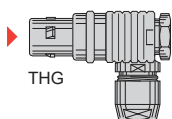


TWG



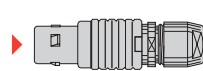
TAG

Elbow (90°) plug

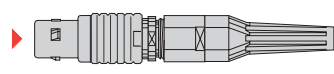


THG

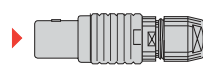
Straight plugs



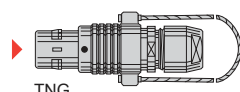
TGG



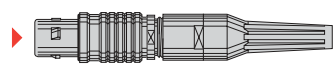
TGG



TFG

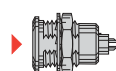


TNG

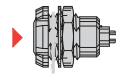


TEG

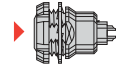
Fixed sockets



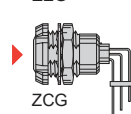
ZGG



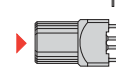
ZCG



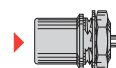
ZEG



ZCG



ZZG

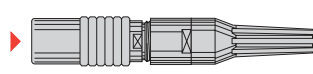


ZHG

Free sockets

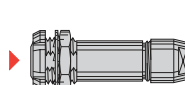


DHG



DHG

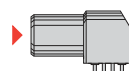
Fixed sockets



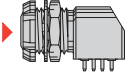
DFG

Elbow socket models (page 20)

Elbow sockets

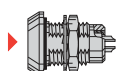


ZPG

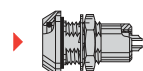


ZXG

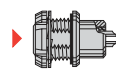
Watertight or vacuumtight models (page 18)



MGG

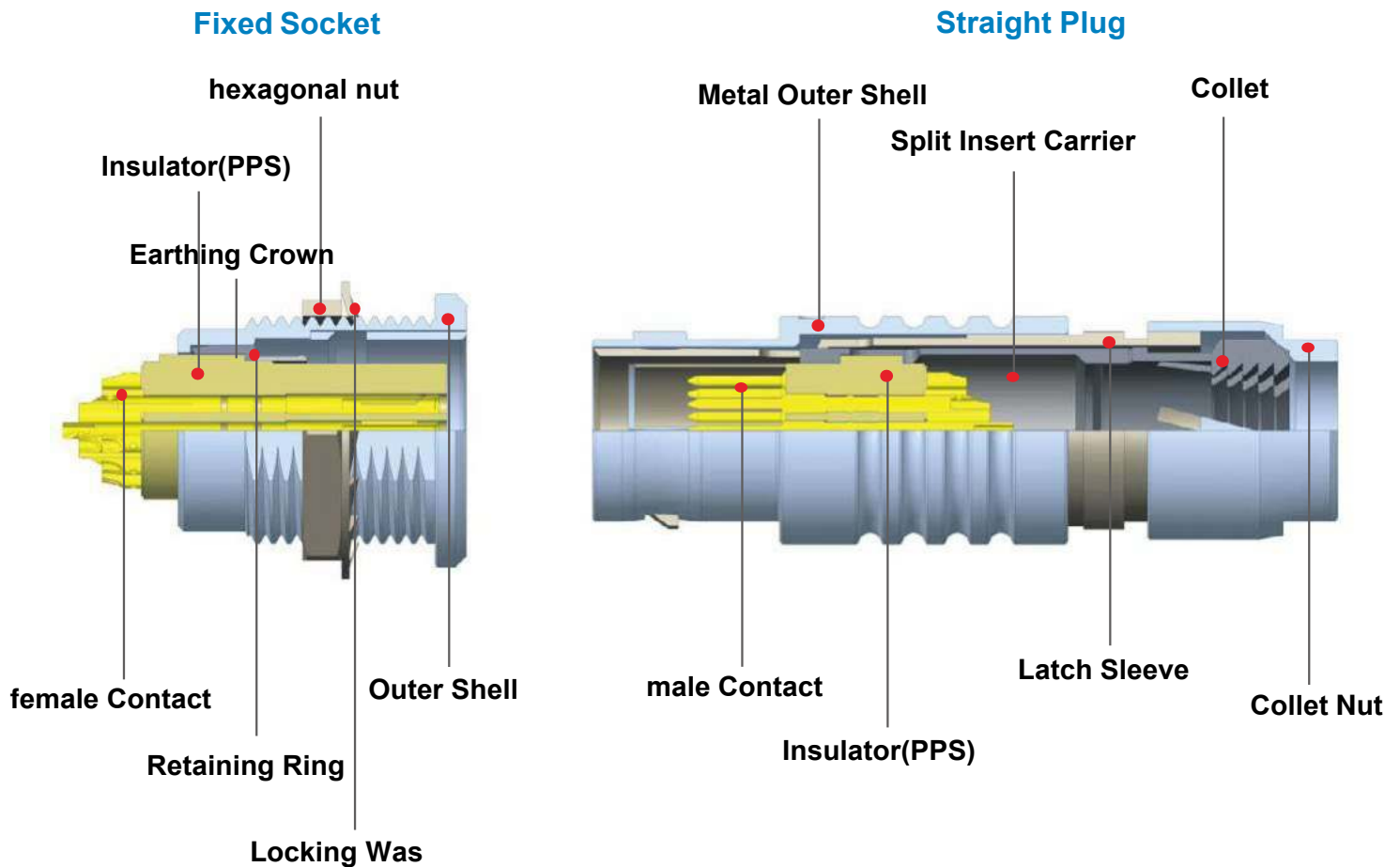


MHG



MEG

Part Section Showing Internal Components



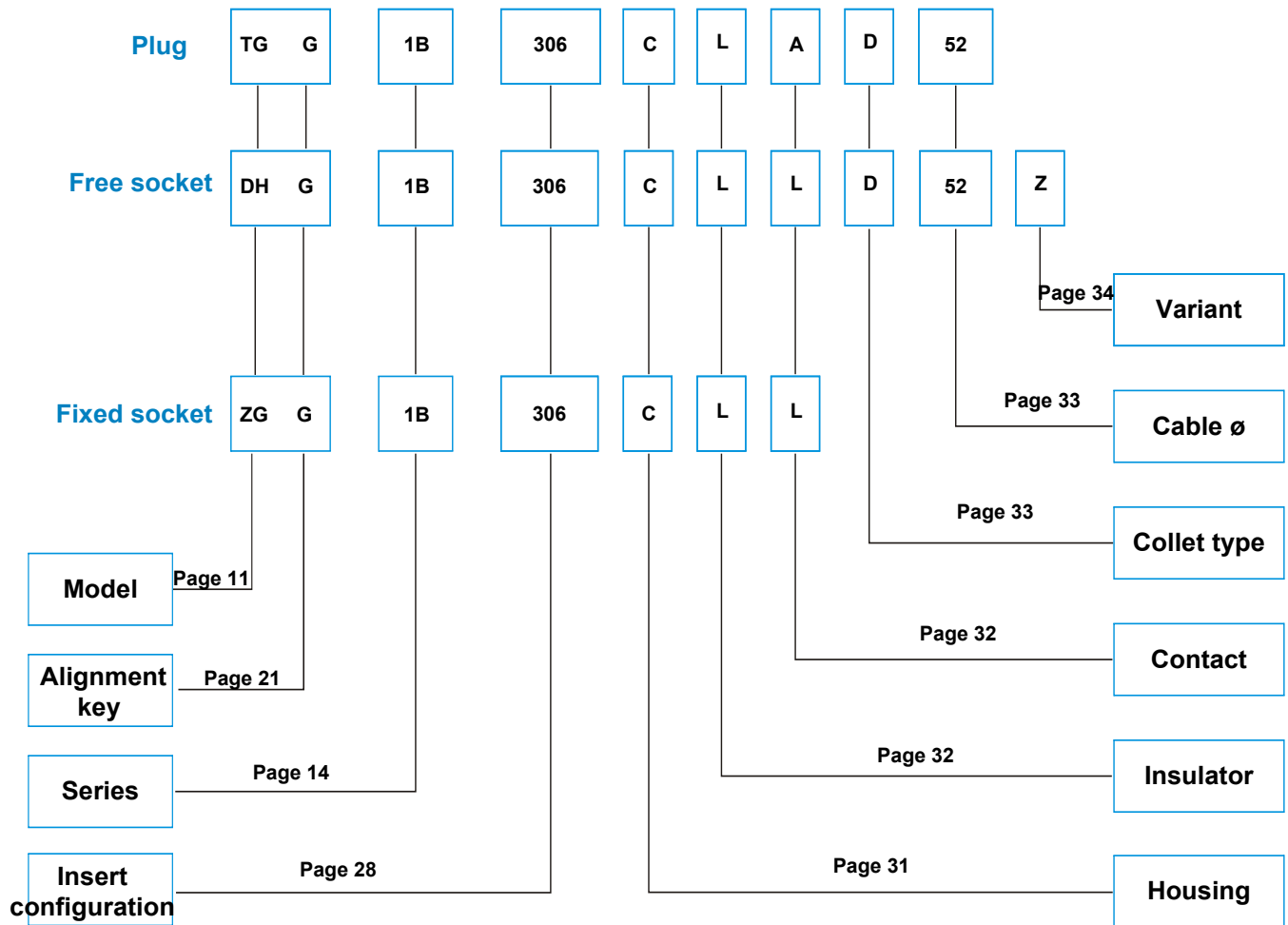
B Series Connectors Provide The Following Main Features:

- security of the Push-Pull self-latching system
- multipole types 2 to 26 contacts
- solder, crimp or print contacts (straight or elbow)
- high packing density for space savings
- multiple key options to avoid cross mating of similar connectors
- keying system («G» key standard) for connector alignment
- 360° screening for full EMC shielding.

B Series Connectors Technical Characteristics :

- Endurance: > 5000 cycles
- Humidity: up to 95% at 60° C
- Temperature range: - 45° C, + 125° C
- Resistance to vibrations: 10-2000 Hz, 15g
- Shock resistance: 100 g, 6 ms
- Salt spray corrosion test: > 48h
- Protection index (mated): IP 50

B Series Part Numbering System



Part Number Example

Straight Plug with Cable Collet:

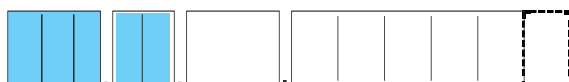
TGG.1B.306.CLAD52 = straight plug with key (G) and cable collet, 1B series, multipole type with 6 contacts, outer shell in chrome-plated brass, PPS insulator, male solder contacts, D type collet for 5.0 mm diameter cable.

Free socket:

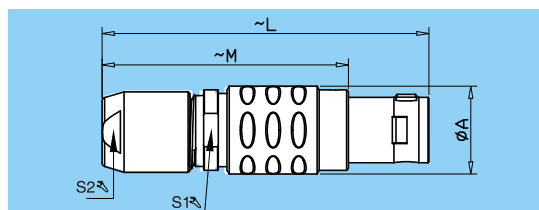
DHG.1B.306.CLLD52Z = free socket with key (G) and cable collet, 1B series, multipole type with 6 contacts, outer shell in chrome-plated brass, PPS insulator, female solder contacts, D type collet for 5.0 mm diameter cable and nut for fitting a bend relief.

Fixed Socket:

ZGG.1B.306.CLL = fixed socket, nut fixing, with key (G), 1B series, multipole type with 6 contacts, outer shell in chrome-plated brass, PPS insulator, female solder contacts.

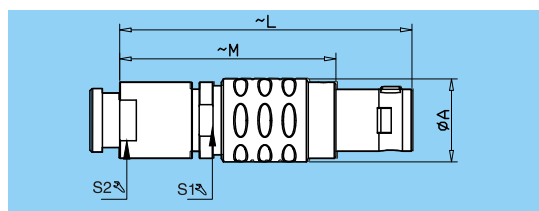


Metal Housing Models



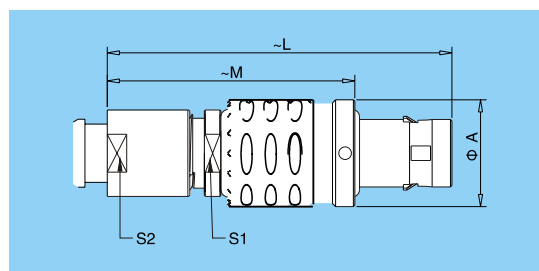
TGG Straight plug, key (G) or keys (A..M and R), cable collet

Reference		Dimensions (mm)				
Series	Model	A	L	M	S1	S2
00B	TGG	6.4	28.5	20.5	5.5	5.0
0B	TGG	9.5	36.0	26.0	8.0	7.0
1B	TGG	12.0	43.0	32.0	10.0	9.0
2B	TGG	15.0	50.0	38.0	13.0	12.0
3B	TGG	18.0	58.0	43.0	15.0	14.0



TGG Straight plug, key (G) or keys (A..M), cable collet and nut for fitting a bend relief

Reference		Dimensions (mm)				
Series	Model	A	L	M	S1	S2
00B	TGG	6.4	36.5	28.5	5.5	6.0
0B	TGG	9.5	35.5	25.0	8.0	7.0
1B	TGG	12.0	42.0	31.0	10.0	9.0
2B	TGG	15.0	49.0	37.0	13.0	13.0
3B	TGG	18.0	56.5	42.0	15.0	15.0

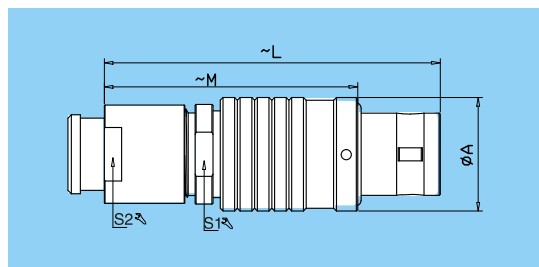


TEG Straight plug, key (G) or keys (A..L), cable collet, front seal and nut for fitting a bend relief (IP 54 protection index when mated)

Reference		Dimensions (mm)				
Series	Model	A	L	M	S1	S2
0B	TEG	11.0	35.0	25.0	8	7
1B	TEG	13.5	42.0	33.0	10	9
2B	TEG	16.5	48.0	36.0	13	12
3B	TEG	19.0	56.0	41.5	15	15


B series

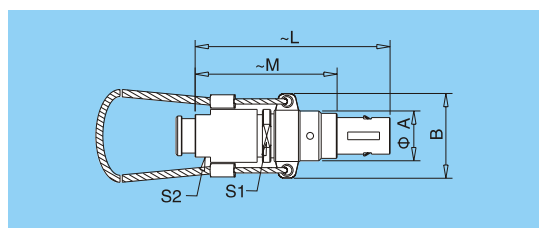

TFG Straight plug, non-latching, key (G) or keys (A..M), cable collet and nut for fitting a bend relief



Reference		Dimensions (mm)				
Series	Model	A	L	M	S1	S2
0B	TFG	9.5	36	26	8.0	7.0
1B	TFG	12.0	43	32	10.0	9.0
2B	TFG	15.0	50	38	13.0	12.0
3B	TFG	18.0	58	43	15	14



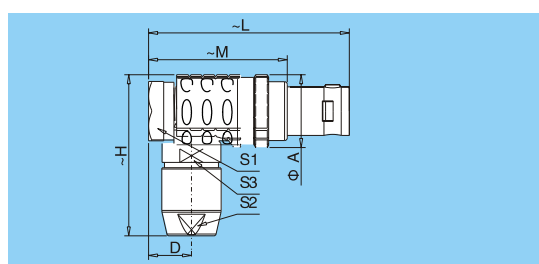
TNG Straight plug, key (G) or keys (A..M and R), cable collet and lanyard release



Reference		Dimensions (mm)						
Series	Model	A	B	L	M	N	S1	S2
0B	TNG	9.5	15.5	36.0	26.0	140	8	7
1B	TNG	12.0	18.0	43.0	32.0	140	10	9
2B	TNG	15.0	21.0	49.0	37.0	160	13	12
3B	TNG	18.0	25.0	58.0	43.0	190	15	14



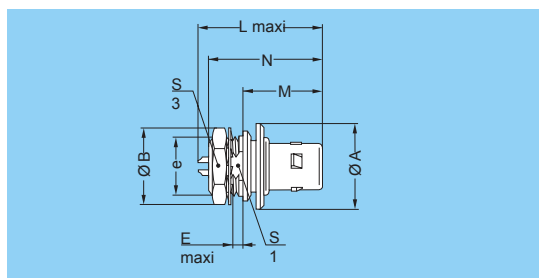
THG Elbow (90°) plug, key (G) or keys (A..M and R), cable collet



Reference		Dimensions (mm)							
Series	Model	A	D	H	L	M	S1	S2	S3
0B	THG	11.0	6.5	26.0	31.6	21.6	10	7	8.0
1B	THG	13.5	8.0	30.5	36.0	25.0	11	9	10.0
2B	THG	16.5	9.0	34.0	41.5	29.5	14	12	13.0
3B	THG	19.0	10.0	37.0	50.0	35.0	17	14	15.0



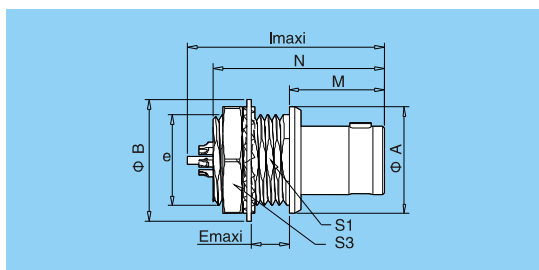
TWG Fixed plug, nut fixing, key (G) or keys (A..L)



Reference		Dimensions (mm)							
Series	Model	A	B	e	E	L	M	S1	S3
1B	TWG	12	12.4	M9x0.6	2.4	2.5	18.3	8.2	11
2B	TWG	16	15.8	M12x1.0	6.0	3.5	20.3	10.5	14



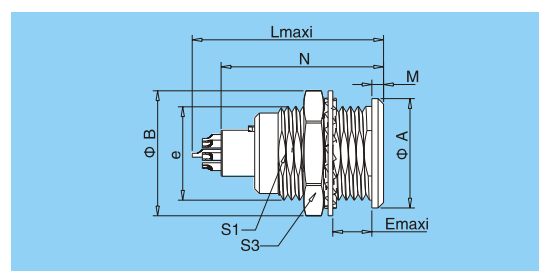
TAG Fixed plug, non-latching, nut fixing, key (G) or keys (A...M and R)



Reference		Dimensions (mm)							
Series	Model	A	B	e	E	L	M	N1)	S1
0B	TAG	10	12.4	M9x0.6	4.2	20.8	11.2	18.9	8.2
1B	TAG	14	15.8	M12x1.0	5.4	25.2	12.5	21.6	10.5
2B	TAG	18	19.2	M15x1.0	6.0	28.7	13.8	23.9	13.5
3B	TAG	22	25.0	M18x1.0	5.8	32.1	17.0	30.2	16.5



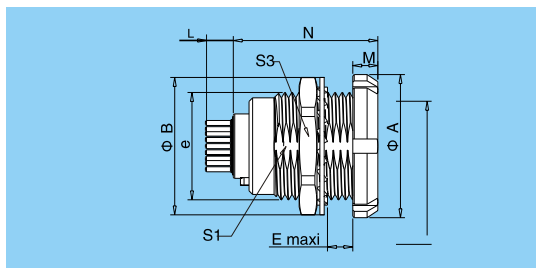
ZGG Fixed socket, nut fixing, key (G) or keys (A...M and R)(front panel mounting)



Reference		Dimensions (mm)								
Series	Model	A	B	e	E	L	M	N1)	S1	S3
00B	ZGG	8	10.2	M7x0.5	6.0	15.5	1.0	13.7	6.3	9
0B	ZGG	10	12.4	M9x0.6	7.0	20.7	1.2	19.1	8.2	11
1B	ZGG	14	15.8	M12x1.0	7.5	23.0	1.5	21.1	10.5	14
2B	ZGG	18	19.2	M15x1.0	8.5	26.7	1.8	24.6	13.5	17
3B	ZGG	22	25.0	M18x1.0	11.5	30.7	2.0	28.1	16.5	22


B series

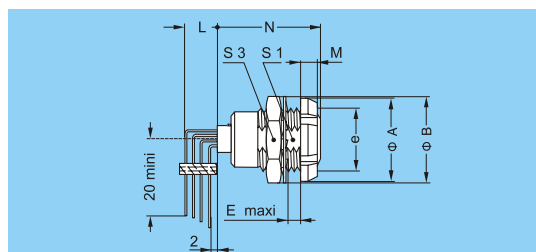

ZCG Fixed socket with two nuts, key (G) or keys (A..M and R) (back panel mounting)



Reference		Dimensions (mm)								
Series	Model	A	B	e	E	L	M	N	S1	S3
0B	ZCG	12	12.4	M9x0.6	5.5	20.7	2.5	19.1	8.2	11
1B	ZCG	16	15.8	M12x1.0	6.0	23.0	3.5	21.1	10.5	14
2B	ZCG	20	19.2	M15x1.0	6.5	26.7	3.5	24.6	13.5	17
3B	ZCG	24	25.0	M18x1.0	9.0	30.7	4.5	28.1	16.5	22



ZCG Fixed socket with two nuts, key (G) or keys (A... F) with elbow (90°) contact for printed circuit (back panel mounting)

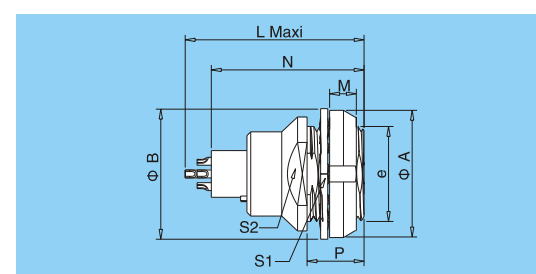


Reference		Dimensions (mm)							
Series	Model	A	B	e	E	M	N _{max}	S1	S3
0B	ZCG	12	12.4	M9x0.6	2.4	2.5	18.3	8.2	11
1B	ZCG	16	15.8	M12x1.0	6.0	3.5	20.3	10.5	14
2B	ZCG	20	19.2	M15x1.0	6.5	3.5	22.3	13.5	17
3B	ZCG	24	25.0	M18x1.0	9.0	4.5	25.8	16.5	22

Note: Length «L» depends on the number of contacts, see PCB drilling pattern on page 37.



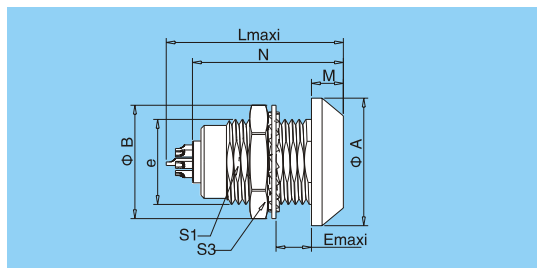
ZEG Fixed socket, nut fixing, key (G) or keys (A..M and R) (back panel mounting)



Reference		Dimensions (mm)								
Series	Model	A	B	e	E	L	M	N1)	P	S3
0B	ZEG	12	12.5	M9x0.6	2.4	20.7	2.5	19.1	6.3	8.2
1B	ZEG	16	16.0	M12x1.0	6.5	23.0	3.5	21.1	11.0	10.5
2B	ZEG	20	20.0	M15x1.0	3.0	26.7	3.5	24.6	9.0	13.5
3B	ZEG	24	25.0	M18x1.0	5.0	30.7	4.5	28.1	12.0	16.5



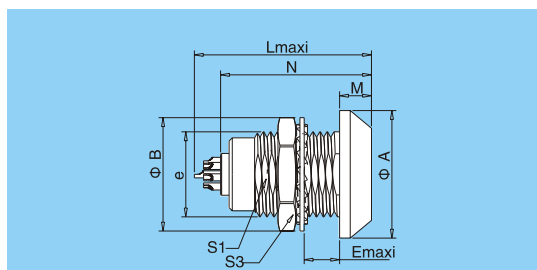
MGG Fixed socket, nut fixing, key (G) or keys (A...M and R), watertight or vacuumtight



Reference		Dimensions (mm)							
Series	Model	A	B	e	E _{max}	L	M	S1	S3
0B	MGG	13	12.4	M9x0.6	7.0	20.2	3.0	8.2	11
1B	MGG	18	15.8	M12x1.0	7.0	26.6	4.5	10.5	14



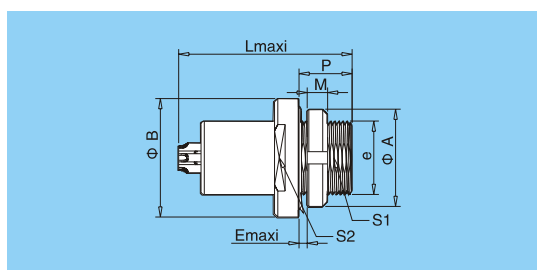
MHG Fixed socket, nut fixing, key (G) or keys (A...M), watertight or vacuumtight (watertight when mated)



Reference		Dimensions (mm)							
Series	Model	A	B	e	E	L	M	S1	S3
0B	MHG	13	12.4	M9x0.6	7.0	23.2	4.8	8.2	11
1B	MHG	18	15.8	M12x1.0	7.0	30.3	5.2	10.5	14
2B	MHG	22	19.2	M15x1.0	8.0	35.6	6.0	13.5	17



MEG Fixed socket, nut fixing, key (G) or keys (A...M), watertight or vacuumtight (back panel mounting)



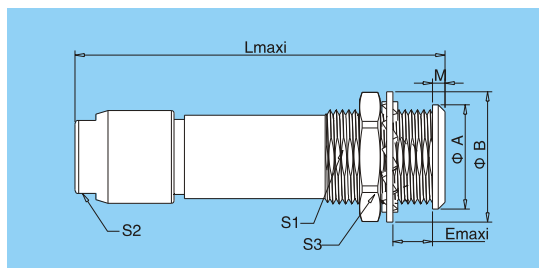
Reference		Dimensions (mm)								
Series	Model	A	B	e	E	L	M	P	S1	S3
0B	MEG	12	13	M9x0.6	5.5	20.2	2.5	9.0	8.2	—
1B	MEG	16	18	M12x1.0	5.5	26.6	3.5	11.0	10.5	—
2B	MEG	20	20	M15x1.0	5.5	31.6	3.5	9.6	13.5	15



B series



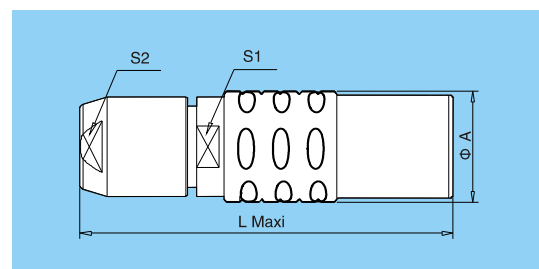
DFG Fixed socket, with two nuts, key (G) or keys (A..M and R), cable collet (back panel mounting)



Reference		Dimensions (mm)								
Series	Model	A	B	e	E	L	M	S1	S2	S3
0B	DFG	10	12.4	M9x0.6	7.0	35.5	1.2	8.2	7	11
1B	DFG	14	15.8	M12x1.0	7.5	40.5	1.5	10.5	9	14
2B	DFG	18	19.2	M15x1.0	8.5	47	1.8	13.5	12	17
3B	DFG	22	25.0	M18x1.0	11.5	56	2.0	16.5	14	22



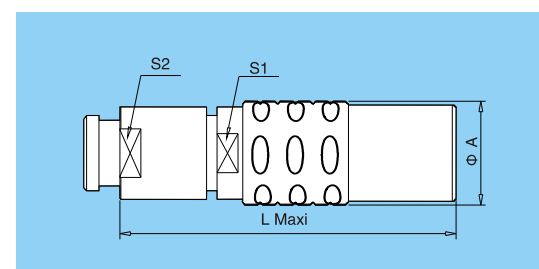
DHG Free socket, key (G) or keys (A..M and R), cable collet



Reference		Dimensions (mm)			
Series	Model	A	L	S1	S2
0B	DHG	9.5	35.5	8.0	7.0
1B	DHG	12.5	40.5	10.0	9.0
2B	DHG	16.5	47.0	13.0	12.0
3B	DHG	19.0	56.0	15.0	15.0



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



Reference		Dimensions (mm)			
Series	Model	A	L	S1	S2
0B	DHG	9.5	35.5	8.0	7
1B	DHG	12.5	40.5	10.0	9
2B	DHG	16.5	47.0	13.0	12
3B	DHG	19.0	56.0	15.0	14