

Circular push-pull connectors

Introduction:

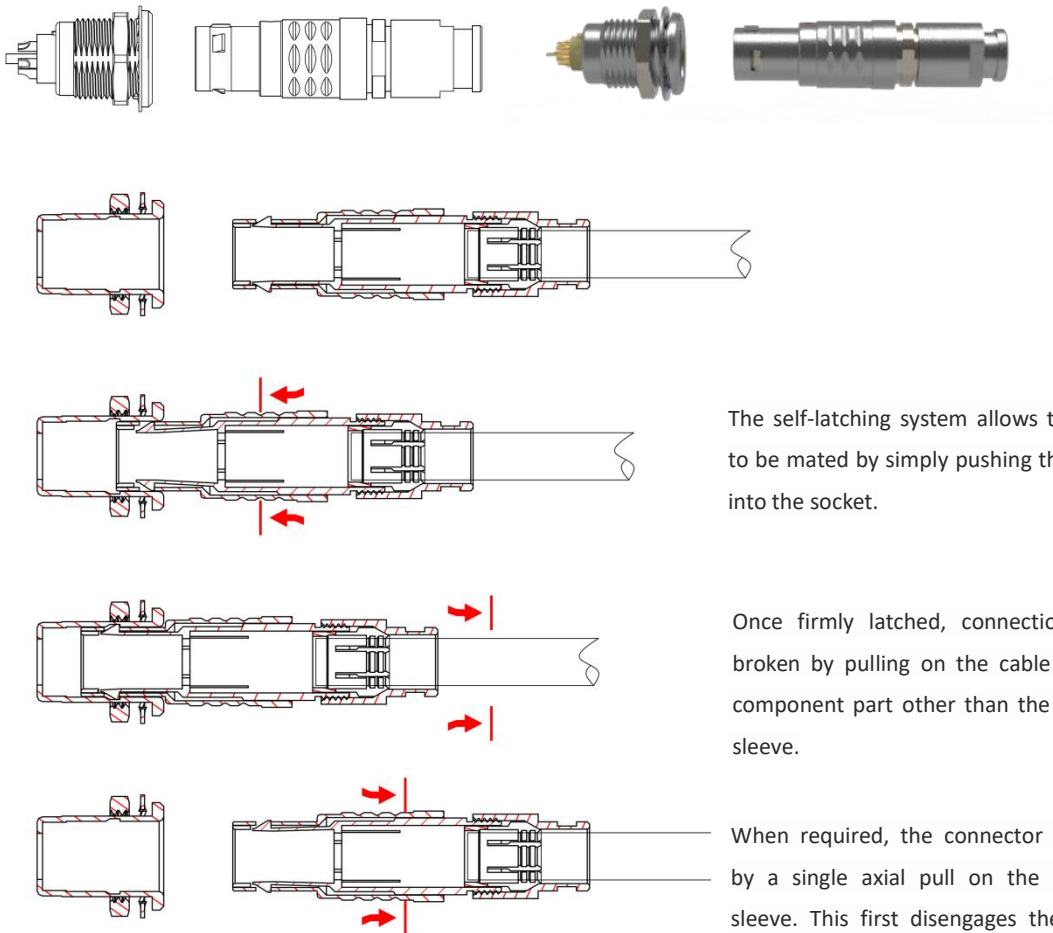
This self-latching system is renowned worldwide for its easy and quick mating and unmating features. It provides absolute security against vibration, shock or pull on the cable, and facilitates operation in a very limited space.

Circular electrical connector adopts this push-pull self-locking structure, which is widely used in electronic, instrumentation, video processing, medical and other equipment electrical signal connection. It is especially suitable for electric signal connection on instruments and equipment which need frequent connection and separation and shielding.

Characteristics:

- Push-pull self - locking connection connection separation is simple and quick;
- The delicate self - locking device ensures the firm and reliable connection;
- The reasonable key design has the function of preventing blind insertion and a variety of key changes;
- Compact structure design, can effectively save equipment space;
- The all-metal structure can effectively shield the function;

Drawings:



The self-latching system allows the connector to be mated by simply pushing the plug axially into the socket.

Once firmly latched, connection cannot be broken by pulling on the cable or any other component part other than the outer release sleeve.

When required, the connector is disengaged by a single axial pull on the outer release sleeve. This first disengages the latches and then withdraws the plug from the socket.

METAL SERIES

B SERIES

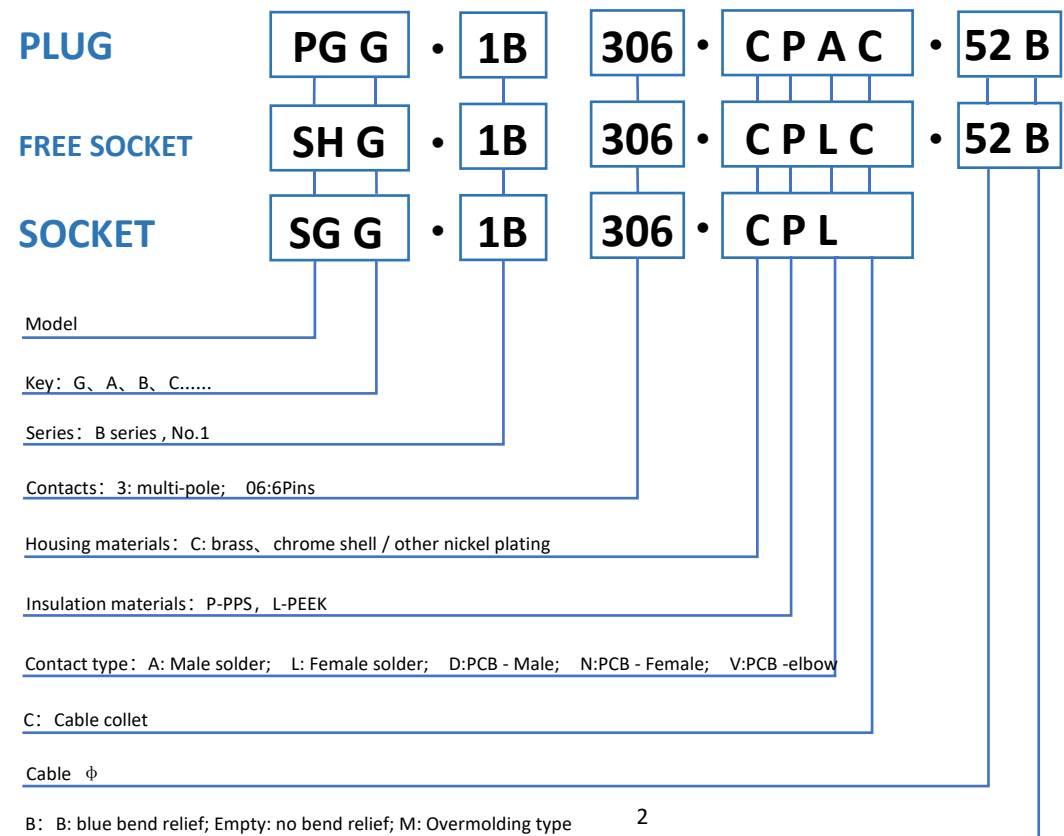
B series metal push-pull connectors

- Quick push-pull self-latching system;
- Solder、crimp or print contacts;
- Straight or elbow 90°;
- Multiple keying optional to avoid mismatching;
- Full EMC shielding;
- Multipole 2~32 Pins;
- Keying system ("G"key standard);

B series Technical characteristic

- Mating cycles: > 5000 times
- Humidity: at 60 °C, max. up to 95%
- Temperature range: -45 ° ~ + 125 °
- Vibration: 10-20,000HZ, 15g
- Mechanical shock: 100g.6ms
- Salt fog Corrosion:> 48h
- Protection class(mated): IP50

B Series part numbering system



Example

Straight Plug with cable collet:

PGG.1B306.CPAC.62: Straight plug, Key (G) with cable collet, 1B series, Multi-pole type, 6Pins, Brass (chrome plated)shell and collet nut, PPS insulation, Male solder contacts, C type collet for 6.0 mm diameter cable.

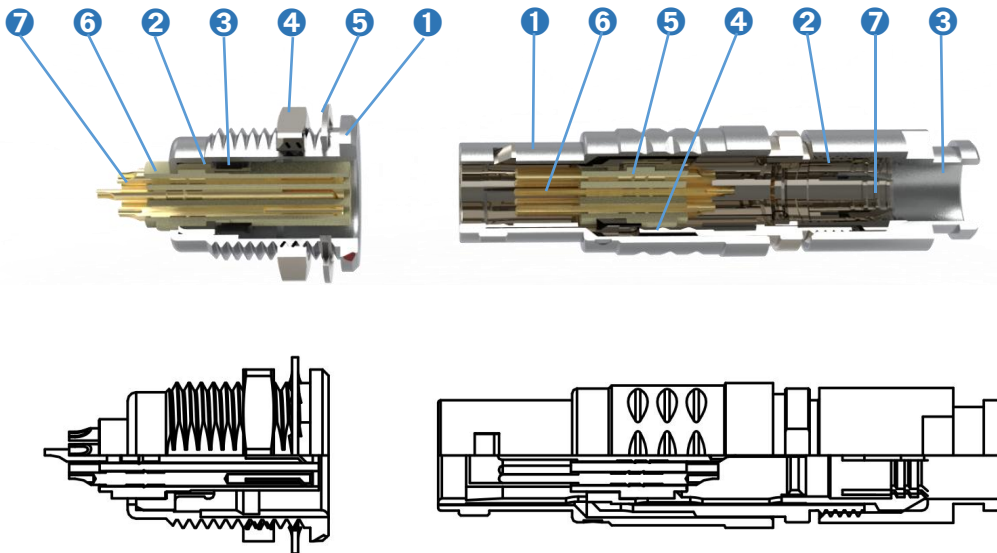
Free Socket:

SHG.1B306.CPLC.62Y: Free Socket, Key (G) with cable collet, 1Bseries, Multi-pole, 6Pins, Brass (chrome plated)shell and collet nut, PPS insulation, Male solder contacts, C type collet for 6.0 mm diameter cable and nut for fitting a bend relief.

Fixed Socket:

SGG.1B306.CPL: Fixed Socket, Key (G) , 1B series, Multi-pole type, 6Pins, Brass (chrome plated)shell, PPS insulation, Female solder contacts.

Part section showing internal components



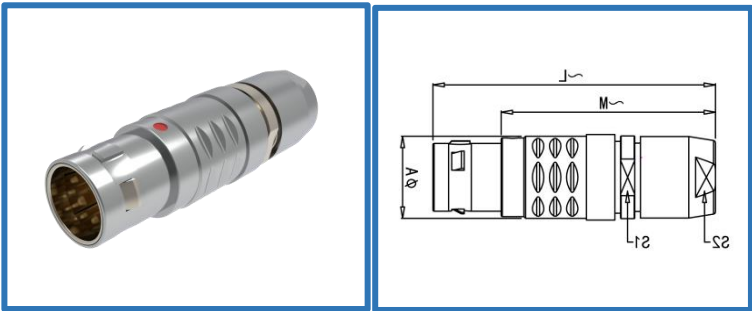
FIXED SOCKET

- ① 外壳 outer shell
- ② 接地环 earthing ring
- ③ 固定环 fixing ring
- ④ 六角螺母 hexagonal nut
- ⑤ 止转垫圈 anti-rotation washer
- ⑥ 绝缘体 insulator
- ⑦ 母针芯 female contact

STRAIGHT PLUG

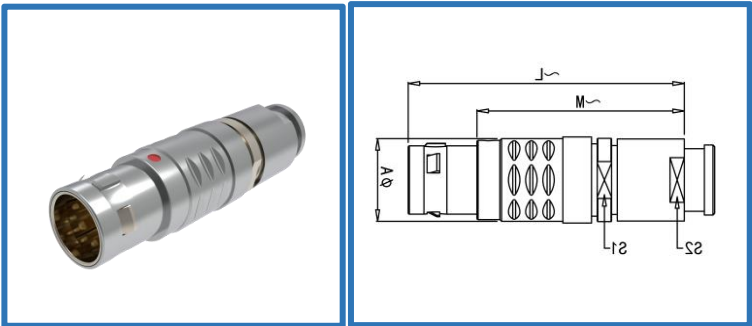
- ① 外壳 outer shell
- ② 内套 inner sleeve
- ③ 尾盖 collet nut
- ④ 绝缘体固定片 split insert carrier
- ⑤ 绝缘体 insulator
- ⑥ 公针芯 male contact
- ⑦ 线夹 cable coll

PGG Straight Plug, key (G) or keys (A...M and R), cable collet



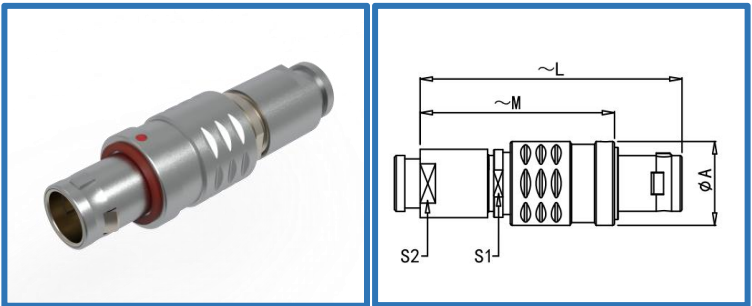
REFERENCE		DIMENSIONS(mm)				
SERIES	MODEL	A	L	M	S1	S2
00B	PGG	6.4	28.5	20.5	5.5	5.0
0B	PGG	9.5	36.0	26.0	8.0	7.0
1B	PGG	12.0	43.0	32.0	10.0	9.0
2B	PGG	15.0	50.0	38.0	13.0	12.0
3B	PGG	18.0	58.0	43.0	15.0	14.0

PGG Straight Plug, key (G) or keys (A~J) , cable collet and nut for fitting a bend relief



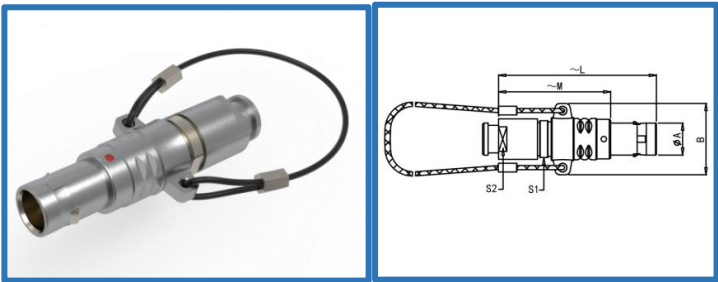
REFERENCE		DIMENSIONS(mm)				
SERIES	MODEL	A	L	M	S1	S2
00B	PGG	6.4	36.5	28.5	5.5	6.0
1B	PGG	12.0	42.0	31.0	0.0	9.0
2B	PGG	15.0	49.0	37.0	13.0	12.0
3B	PGG	18.0	56.5	42.0	15.0	15.0

PEG Straight Plug, key (G) or keys (A~J) , cable collet, front seal and nut for fitting a bend relief (IP65 when mated)



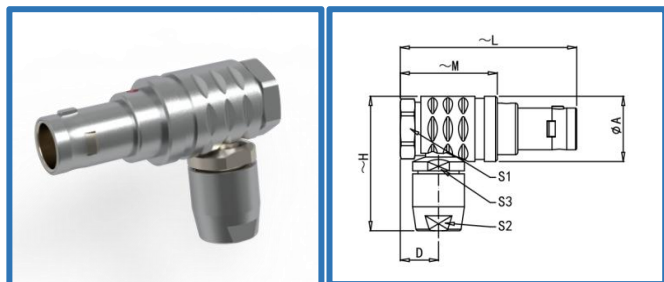
REFERENCE		DIMENSIONS(mm)				
SERIES	MODEL	A	L	M	S1	S2
0B	PEG	11.0	35.0	25.0	8	7
1B	PEG	13.5	42.0	33.0	10	9
2B	PEG	16.5	48.0	36.0	13	2
3B	PEG	19.0	56.0	41.5	15	15

PNG Straight Plug, key (G) or keys (A~J) , cable collet and lanyard release



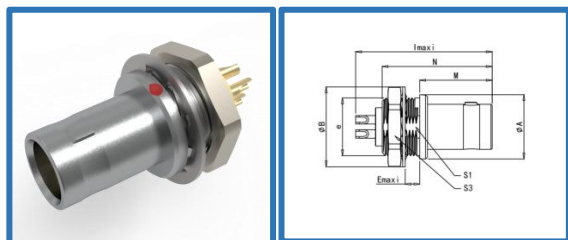
REFERENCE		DIMENSIONS(mm)						
SERIES	MODEL	A	B	L	M	N	S1	S2
0B	PNG	9.5	15.5	36.0	26.0	140	8	7
1B	PNG	12.0	18.0	43.0	32.0	140	10	9
2B	PNG	15.0	21.0	49.0	37.0	160	13	12
3B	PNG	18.0	25.0	58.0	43.0	190	15	14

PHG Elbow (90°) plug, key (G) or keys (A~J) , cable collet



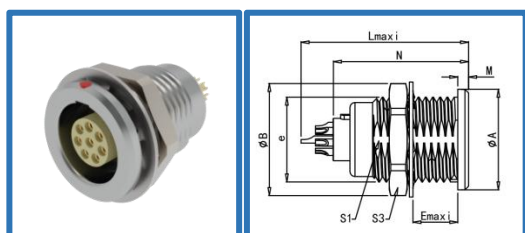
REFERENCE		DIMENSIONS(mm)							
SERIES	MODEL	A	D	H	L	M	S1	S2	S3
0B	PHG	11.0	6.5	26.0	31.6	21.6	10	7	8
1B	PHG	33.5	8.0	30.5	36.0	25	11	9	10
2B	PHG	16.5	9.0	34.0	41.5	29.5	14	12	13
3B	PHG	19.0	10.0	37.0	50.0	35	17	14	15

PAG Fixed Plug, non-latching, nut fixing, key (G) or keys (A~J)



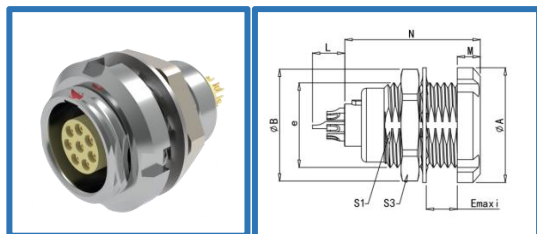
REFERENCE		DIMENSIONS(mm)							
SERIES	MODEL	A	B	e	E	L	M	N1	S1
0B	PAG	10	12.4	M9x0.5	4.2	20.8	11.2	17.0	8.2
1B	PAG	14	15.8	M12x1.0	5.4	25.2	12.5	21.6	10.5
2B	PAG	18	19.2	M15x1.0	6.0	28.7	13.8	23.9	13.5
3B	PAG	22	25.0	M18x1.0	5.8	32.1	17.0	30.2	16.5

SGG Fixed Socket, nut fitting, key (G) or keys (A~J)



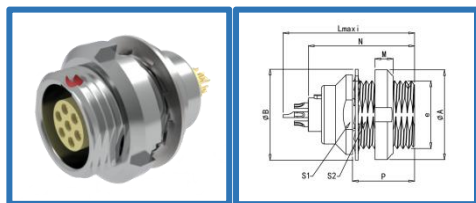
REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	N1	S1	S3
00B	SGG	8	10.2	M7x0.5	6.0	15.5	1.0	13.7	6.3	9
0B	SGG	10	12.4	M9x0.5	7.0	20.7	1.2	19.1	8.2	11
1B	SGG	14	15.8	M12x1.0	7.5	23.0	1.5	21.1	10.5	14
2B	SGG	18	19.2	M15x1.0	8.5	26.7	1.8	24.6	13.5	17
3B	SGG	22	25.0	M18x1.0	11.5	30.7	2.0	28.1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

SCG Fixed Socket with two nuts, key (G) or keys (A~J) (back panel mounting)



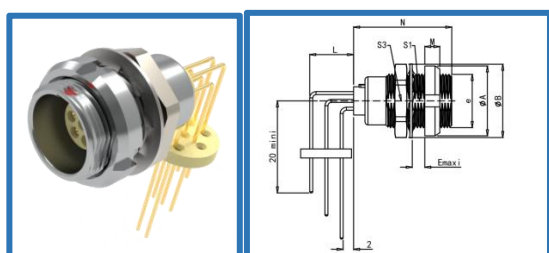
REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	N	S1	S3
0B	SCG	12	12.4	M9x0.5	5.5	20.7	2.5	19.1	8.2	11
1B	SCG	16	15.8	M12x1.0	6.0	23.0	3.5	21.1	10.5	14
2B	SCG	20	19.2	M15x1.0	6.5	26.7	3.5	24.6	13.5	17
3B	SCG	24	25.0	M18x1.0	9.0	30.7	4.5	28.1	16.5	22

SEG Fixed Socket, nut fixing, key (G) or keys (A~J) (back panel mounting)



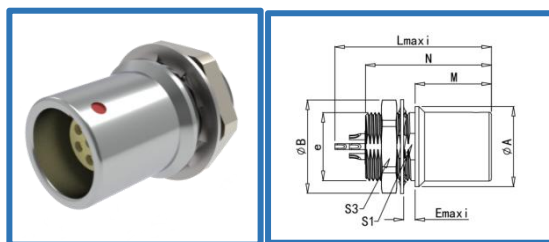
REFERENCE		DIMENSIONS(mm)									
SERIES	MODEL	A	B	e	E	L	M	N1	P	S1	S2
0B	SEG	12	12.5	M9x0.5	2.4	20.7	2.5	19.1	6.3	8.2	9.0
1B	SEG	16	16.0	M12x1.0	6.5	23.0	3.5	21.1	11.0	10.5	13.0
2B	SEG	20	20.0	M15x1.0	3.0	26.7	3.5	24.6	9.0	13.5	15.0
3B	SEG	24	25.0	M18x1.0	5.0	30.7	4.5	28.1	12.0	16.5	20.0

SCG Fixed Socket with two nuts, key (G) or keys (A~J) with elbow(90°)contact for printed circuit (back panel mounting)



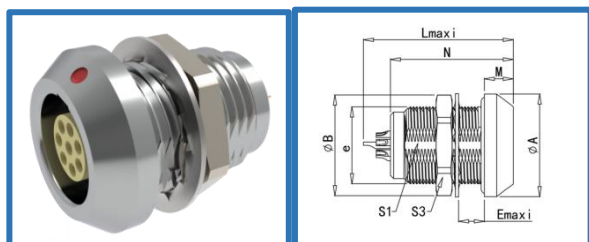
REFERENCE		DIMENSIONS(mm)							
SERIES	MODEL	A	B	e	E	L	M	S1	S3
0B	SCG	12	12.4	M9x0.5	2.4	2.5	18.3	8.2	11
1B	SCG	16	15.8	M12x1.0	6.0	3.5	20.3	10.5	14
2B	SCG	20	19.2	M15x1.0	6.5	3.5	22.3	13.5	17
3B	SCG	24	25.0	M18x1.0	9.0	4.5	25.8	16.5	22

SDG Fixed Socket, nut fixing, key (G) or keys (A~J) , and protruding shell



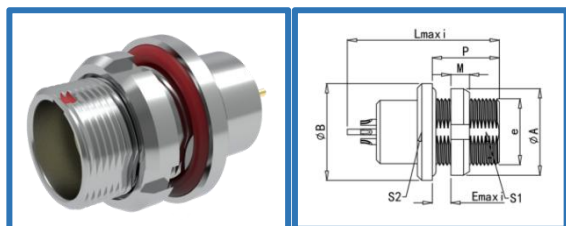
REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	N1	S1	S3
0B	SDG	10	12.4	M9x0.5	2.0	12.5	19.5	19.1	8.2	11
1B	SDG	14	15.8	M12x1.0	4.0	12.0	21.7	21.1	10.5	14
2B	SDG	18	19.2	M15x1.0	5.1	12.5	22.7	24.6	13.5	17
3B	SDG	22	25.0	M18x1.0	7.1	13.5	30.7	30.3	16.5	22

SQG Fixed Socket, nut fixing, key (G) or keys (A~J) , and watertight or vacuumtight



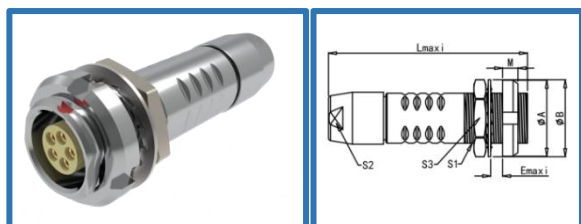
REFERENCE		DIMENSIONS(mm)							
SERIES	MODEL	A	B	e	E	L	M	S1	S3
0B	SQG	13	12.4	M9x0.5	7.0	20.2	3.0	8.2	11
1B	SQG	18	15.8	M12x1.0	7.0	26.6	4.5	10.5	14
2B	SQG								
3B	SQG								

SOG Fixed Socket, nut fixing, key (G) or keys (A~J) , and watertight or vacuumtight (back panel mounting)



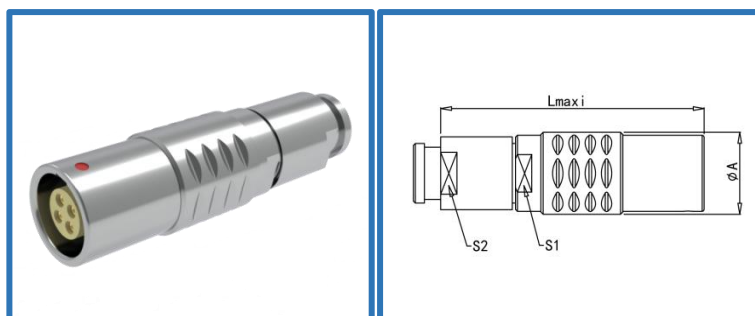
REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	P	S1	S2
0B	SOG	12	13	M9x0.5	5.5	20.2	2.5	9.0	8	-
1B	SOG	16	18	M12x1.0	5.5	26.6	3.5	11.0	11	-
2B	SOG	20	20	M15x1.0	5.5	31.6	3.5	9.6	14	15
3B	SOG									

SFG Fixed Socket, nut fixing, key (G) or keys (A~J) , cable collet



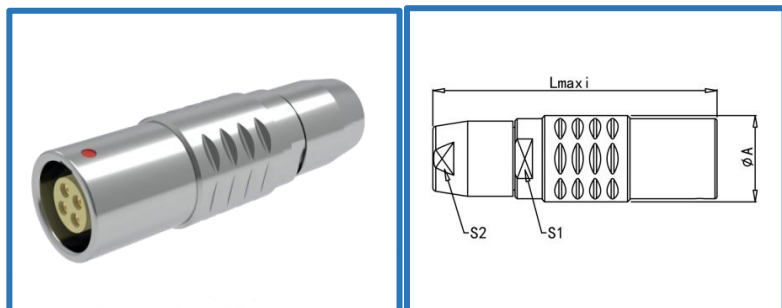
REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	S1	S2	S3
0B	SFG	10	12.4	M9x0.5	7.0	35.5	1.2	8.2	7	11
1B	SFG	14	15.8	M12x1.0	7.5	40.5	1.5	10.5	9	14
2B	SFG	18	19.2	M15x1.0	8.5	47	1.8	13.5	12	17
3B	SFG	22	25.0	M18x1.0	11.5	56	2.0	16.5	14	22

SHG Free Socket, key (G) or keys (A~J) , cable collet and nut for fitting a bend relief



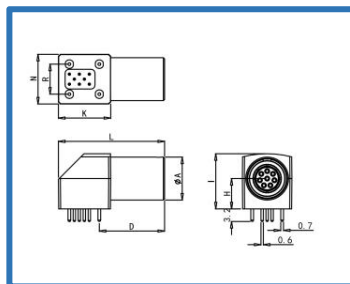
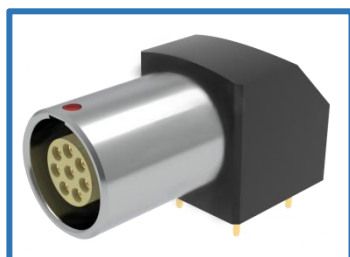
REFERENCE		DIMENSIONS(mm)			
SERIES	MODEL	A	L	S1	S2
0B	SHG	9.5	35.5	8.0	7
1B	SHG	12.5	40.5	10.0	9
2B	SHG	16.5	47.0	13.0	12
3B	SHG	19.0	56.0	15.0	14

SHQ Free Socket, key (G) or keys (A~J) , cable collet



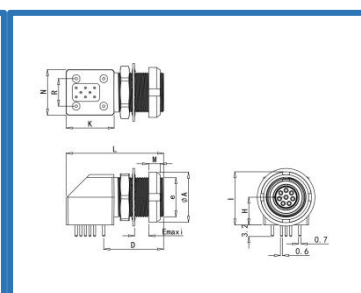
REFERENCE		DIMENSIONS(mm)			
SERIES	MODEL	A	L	S1	S2
0B	SHQ	9.5	35.5	8.0	7
1B	SHQ	12.5	40.5	10.0	9
2B	SHQ	16.5	47.0	13.0	12
3B	SHQ	19.0	56.0	15.0	15

SWG Elbow (90°) Socket for printed circuit, key (G) or keys (A~J) (solder or screw fixing)



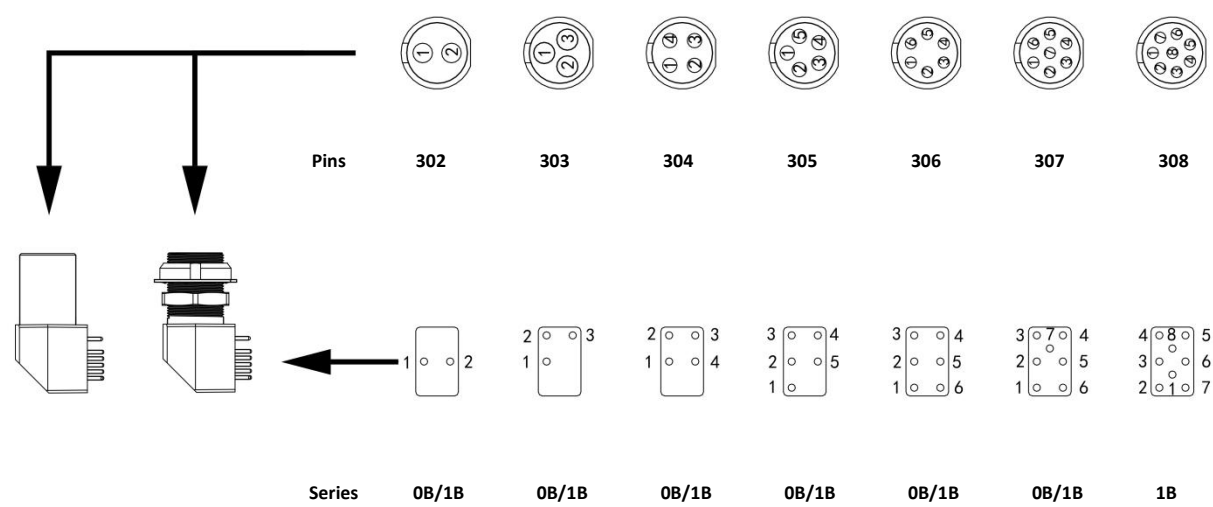
PART NUMBER	DIMENSIONS(mm)							
	A	D	H	I	K	L	N	R
SWG.0B302.CPN	9	14.6	6.7	12.7	13.3	25.0	11.7	7.62
SWG.0B303.CPN								
SWG.0B304.CPN								
SWG.0B305.CPN								
SWG.0B306.CPN								
SWG.0B307.CPN								
SWG.1B302.CPN	11	16.6	7.5	14.0	13.3	27.0	12.6	7.62
SWG.1B303.CPN								
SWG.1B304.CPN								
SWG.1B305.CPN								
SWG.1B306.CPN								
SWG.1B307.CPN								
SWG.1B308.CPN								

SXG Elbow (90°) Socket for printed circuit with two nuts, key (G) or keys (A~J) (solder or screw fixing)



PART NUMBER	DIMENSIONS(mm)												
	A	B	D	e	E	H	I	K	L	M	N	R	S3
SXG.0B302.CPN	12	12.6	14.6	M9x0.5	6.0	6.7	12.7	13.3	25.0	2.5	11.7	7.62	11
SXG.0B303.CPN													
SXG.0B304.CPN													
SXG.0B305.CPN													
SXG.0B306.CPN													
SXG.0B307.CPN													
SXG.1B302.CPN	14	15.0	16.6	M11x0.5	7.5	7.5	14.0	13.3	27.0	3.5	12.6	7.62	13
SXG.1B303.CPN													
SXG.1B304.CPN													
SXG.1B305.CPN													
SXG.1B306.CPN													
SXG.1B307.CPN													
SXG.1B308.CPN													

SWG, SXG Pinhole corresponds to the figure



K SERIES

K series connectors have been specifically designed for outdoor applications

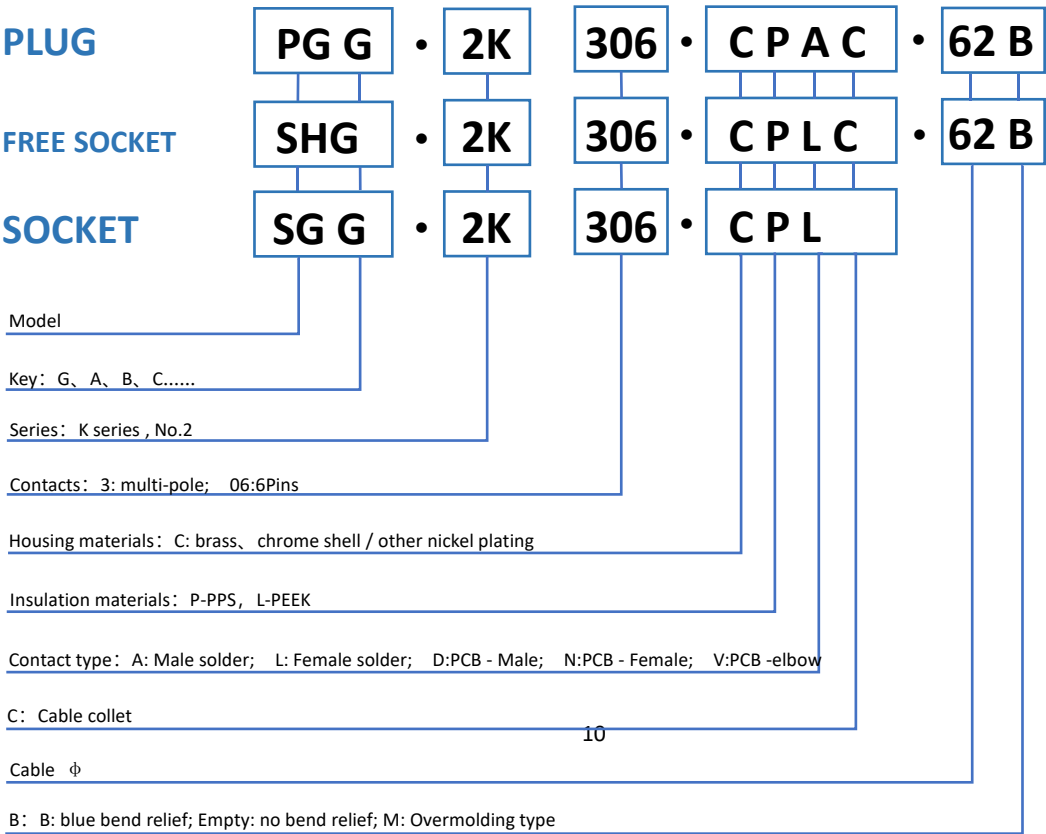
They include an inner sleeve and two seals to prevent penetration of solids or liquids into the housing formed by the plug, free socket, fixed socket or coupler. All models of this series are watertight when mated to give a protection index of IP68 as per IEC 60529 standard (in mated condition) when correctly assembled to an appropriate cable (IP66 otherwise).

- Security of the Push-Pull latching system;
- Robust shell suitable for extremely harsh environment;
- 360° screening for full EMC shielding;
- Keying system ("G"key standard);
- Multipole type 2~32Pins;
- Watertight connection (IP68/IP66) ;
- Solder, crimp or print(straight or elbow) contacts;
- Multiple key options to avoid cross mating of similar connectors;
- High packing density for space savings;

K series Technical characteristic

- Mating cycles: >5000 times
- Humidity: at 60 °C, max. up to 95%
- Temperature range: -45 ° ~ + 125 °
- Vibration: 10-20,000HZ, 15g
- Mechanical shock: 100g.6ms
- Salt fog Corrosion:> 48h
- Protection class(mated): IP66 ~ IP6

K Series P/N rules:



Example

Straight Plug with cable collet:

PGG.2K306.CPAC.62: Straight plug, Key (G) with cable collet, 2K series, Multi-pole, 6Pins, Brass (chrome plated)shell and collet nut, PPS insulation, Male solder contacts, C type collet for 6.2 mm diameter cable.

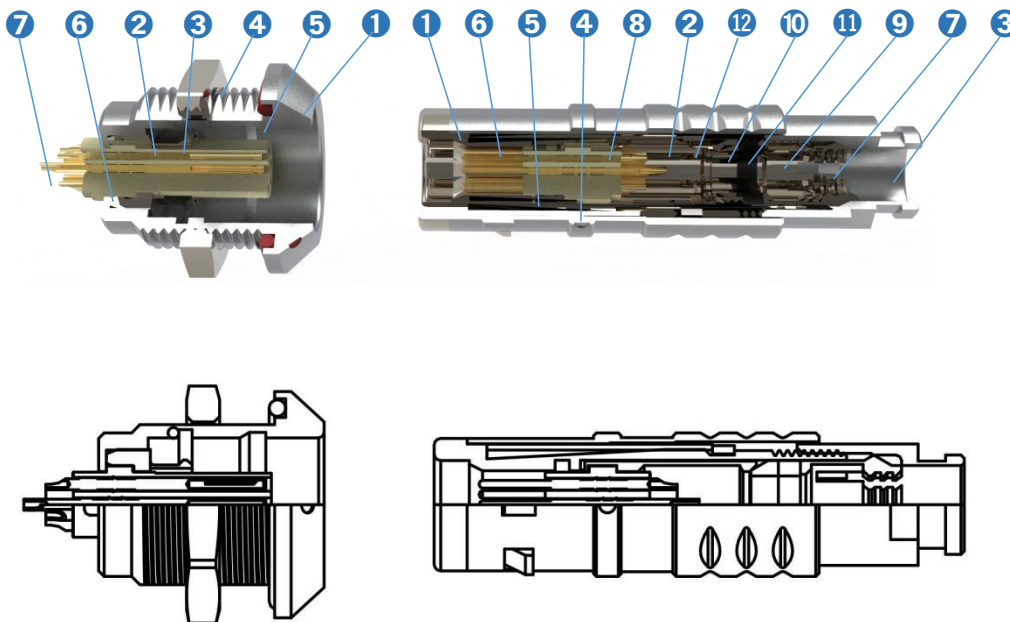
Free Socket:

SHG.2K306.CPLC.62Y: Free Socket, Key (G) with cable collet, 2K series, Multi-pole, 6Pins, Brass (chrome plated)shell and collet nut, PPS insulation, Male solder contacts, C type collet for 6.2 mm diameter cable and nut for fitting a bend relief.

Fixed Socket:

SGG.2K306.CPL: Fixed Socket, Key (G) , 2K series, Multi-pole type, 6Pins, Brass (chrome plated)shell, PPS insulation, Female solder contacts.

Part section showing internal components



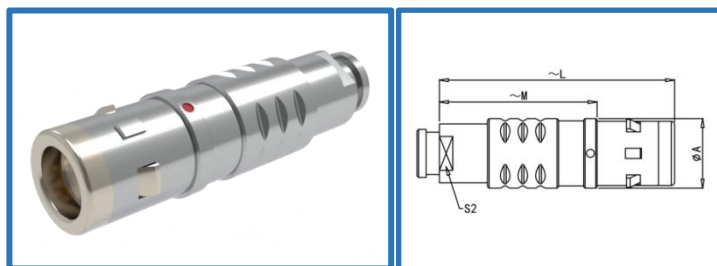
FIXED SOCKET

- ① 外壳 outer shell
- ② 接地环 earthing ring
- ③ 固定环 fixing ring
- ④ 六角螺母 hexagonal nut
- ⑤ O 形圈 O-ring
- ⑥ 绝缘体 insulator
- ⑦ 母针芯 female contact

STRAIGHT PLUG

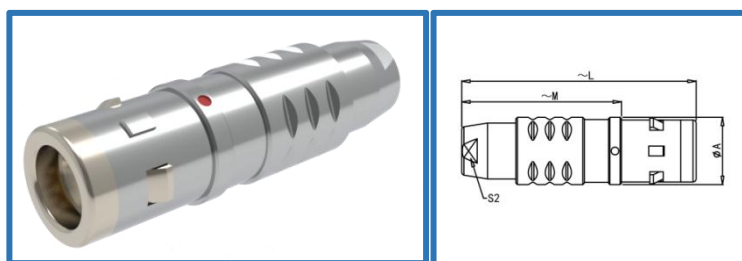
- ① 外壳 outer shell
- ② 内套 inner sleeve
- ③ 尾盖 collet nut
- ④ 绝缘体固定片 split insert carrier
- ⑤ 绝缘体 insulator
- ⑥ 公针芯 male contact
- ⑦ 线夹 collet
- ⑧ 内壳 inner shell
- ⑨ 固定环 fixing ring
- ⑩ 接地锥 earthing cone
- ⑪ 弹性垫圈 elastic washer
- ⑫ 金属垫 metal washer

PGG Straight Plug, key (G) or keys (A~J) , cable collet



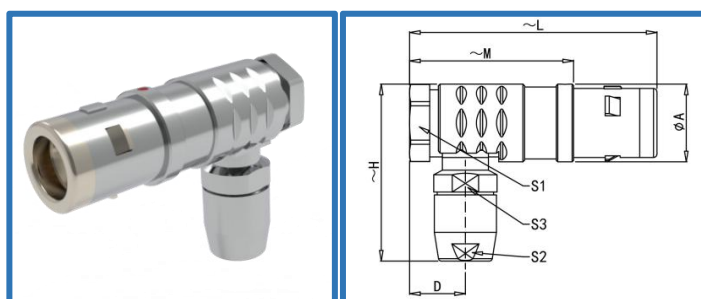
REFERENCE		DIMENSIONS(mm)			
SERIES	MODEL	A	L	M	S2
0K	PGG	11	37.5	26.0	7
1K	PGG	13	44.0	29.5	9
2K	PGG	16	52.0	36.0	12
3K	PGG	19	58.0	37.0	15

PGG Straight Plug, key (G) or keys (A~J) , cable collet nut for fitting a bend relief



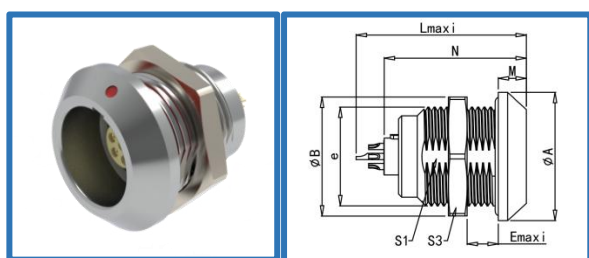
REFERENCE		DIMENSIONS(mm)			
SERIES	MODEL	A	L	M	S2
0K	PGG	11	37.5	26.0	7
1K	PGG	13	44.0	29.5	9
2K	PGG	16	52.0	36.0	12
3K	PGG	19	58.0	37.0	15

PHG Elbow (90°) Plug, key (G) or keys (A~J) , cable collet



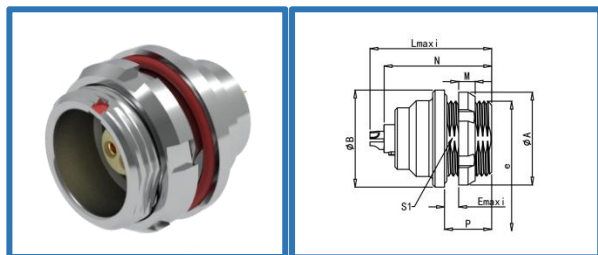
REFERENCE		DIMENSIONS(mm)							
SERIES	MODEL	A	D	H	L	M	S1	S2	S3
0K	PHG	11.5	7.6	27	36	25.0	10	7	8
1K	PHG	14.0	8.8	33	43	29.0	12	9	10
2K	PHG	17.5	10.5	40	51	35.0	15	12	13
3K	PHG	21.0	11.5	47	60	40.0	18	15	15

SGG Fixed Socket, nut fixing, key (G) or keys (A~J)



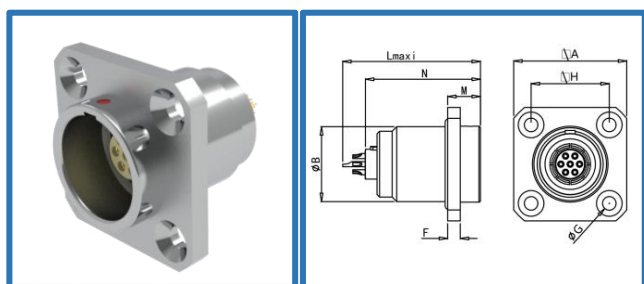
REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	N	S1	S2
0K	SGG	18.5	19.2	M14x1.0	6	21.5	4.0	17.6	12.5	17
1K	SGG	20.5	21.5	M16x1.0	9	27.5	4.5	22.8	14.5	19
2K	SGG	25.0	27.0	M20x1.0	9	29.5	5.0	25.5	18.5	24
3K	SGG	31.0	34.0	M24x1.0	16	35.8	6.0	30.6	22.5	30

SEG Fixed Socket, nut fixing, key (G) or keys (A~J) (back panel mounting)



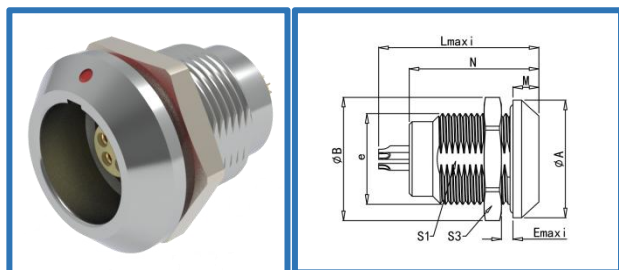
REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	N	P	S1
0K	SEG	18.5	18	M14x1.0	3.4	21.5	3.5	17.6	7	12.5
1K	SEG	20.5	20	M16x1.0	6.2	27.5	3.5	22.8	10	14.5
2K	SEG	25.0	25	M20x1.0	5.0	29.5	3.5	25.5	10	18.5
3K	SGG	30.0	31	M24x1.0	6.0	35.8	4.5	30.6	12	22.5

SMG Fixed Socket with square flange, key (G) or keys (A~J) , screw fixing



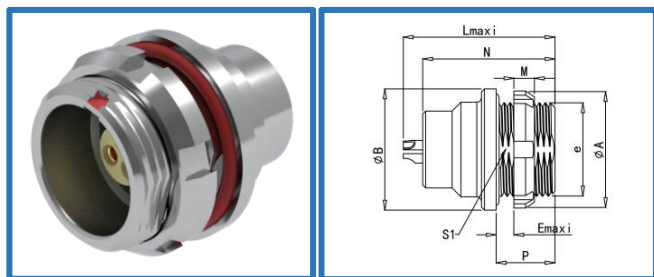
REFERENCE		DIMENSIONS(mm)							
SERIES	MODEL	A	B	F	G	H	L	M	N
1K	SMG	22.4	14.8	2.5	2.7	15.5	27.3	6.5	23.8
2K	SMG	25.0	18.8	2.5	2.7	17.5	30.8	6.5	25.5
3K	SMG	30.0	23.0	3.0	3.3	23.0	35.8	7.0	30.6

SQG Fixed Socket, nut fixing, key (G) or keys (A~J) watertight or vacuumtight



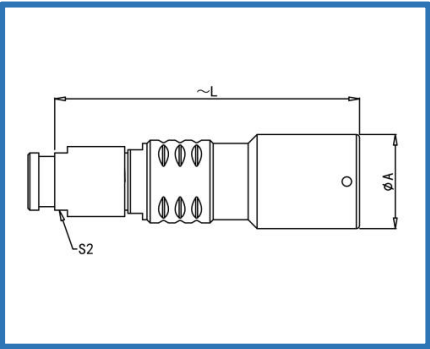
REFERENCE		DIMENSIONS(mm)							
SERIES	MODEL	A	B	e	E	L	M	S1	S3
0K	SQG	18.5	19.2	M14x1.0	5.5	21.5	4.0	12.5	17
1K	SQG	20.5	21.5	M16x1.0	9.0	27.5	4.5	14.5	19
2K	SQG	25.0	27.0	M20x1.0	13.0	30.8	5.0	18.5	24
3K	SQG	31.0	34.0	M24x1.0	16.0	35.8	6.0	22.5	30

SOG Fixed Socket, nut fixing, key (G) or keys (A~J) , watertight or vacuumtight (back panel mounting)



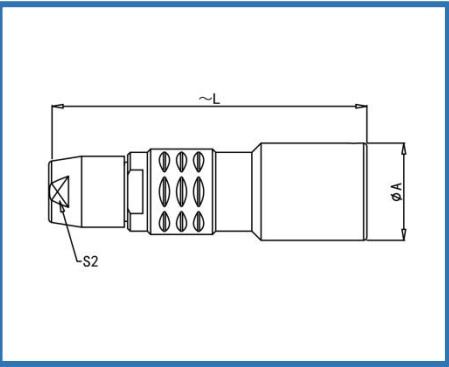
REFERENCE		DIMENSIONS(mm)							
SERIE S	MODEL	A	B	e	E	L	M	P	S1
0K	SOG	18.5	18.5	M14x1.0	2.4	23.0	3.5	7	12.5
1K	SOG	20.5	20.5	M16x1.0	6.2	30.0	3.5	10	14.5
2K	SOG	25.0	25.0	M20x1.0	5.0	33.7	3.5	10	18.5
3K	SOG	30.0	31.0	M24x1.0	6.0	35.8	4.5	12	22.5

SHG Free Socket, key (G) or keys (A~J) , cable collet and nut for fitting a bend relief



REFERENCE		DIMENSIONS(mm)		
SERIES	MODEL	A	L	S2
0K	SHG	13	37.5	7
1K	SHG	15	47.9	9
2K	SHG	19	54.7	12
3K	SHG	23	64.0	15

SHG Free Socket, key (G) or keys (A~J) , cable collet



REFERENCE		DIMENSIONS(mm)		
SERIES	MODEL	A	L	S2
0K	SHG	13	37.5	8
1K	SHG	15	47.9	9
2K	SHG	19	54.7	12
3K	SHG	23	64.0	15

T SERIES

T series connectors have been specifically designed for outdoor applications

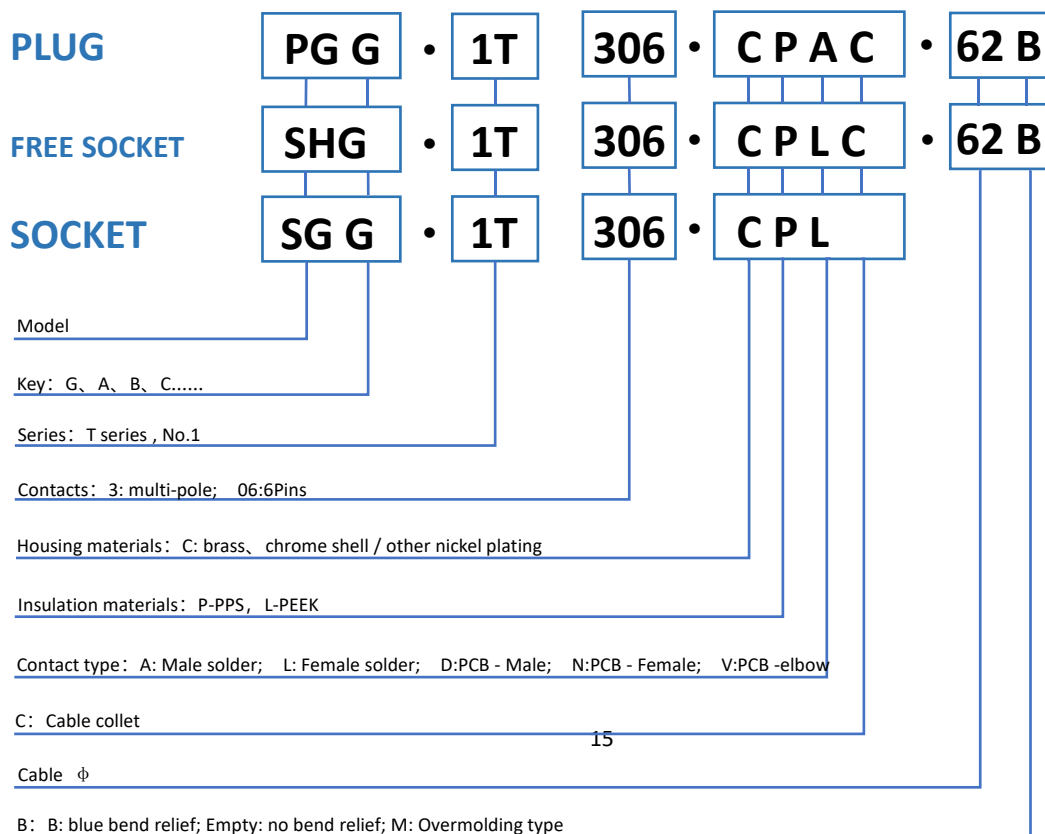
They include an inner sleeve and two seals to prevent penetration of solids or liquids into the housing formed by the plug, free socket, fixed socket or coupler. All models of this series are watertight when mated to give a protection index of IP68 as per IEC 60529 standard (in mated condition) when correctly assembled to an appropriate cable (IP66 otherwise).

- IP68/IP66 mated;
- Push-Pull self-latching system;
- Mechanical key(FGG) with multiple keys to avoid cross-mating;
- High packing density for space savings;
- 360° screening for full EMC shielding;
- Same mounting hole as B sockets;
- Multipole type 2~32Pins;
- For cables 1.0 up to 1.0-10.5mm
- Solder、crimp or print(straight or elbow) contacts;

T series Technical characteristic

- Mating cycles: >5000 times
- Humidity: at 60 °C, max. up to 95%
- Temperature range: -45 ° ~ + 125 °
- Vibration: 10-20,000HZ, 15g
- Mechanical shock: 100g.6ms
- Salt fog Corrosion:> 48h
- Protection class(mated): IP66 ~ IP6

T Series part numbering system



Example

Straight Plug with cable collet:

PGG.1T306.CPAC.62: Straight plug, Key (G) with cable collet, 1T series, Multi-pole, 6Pins, Brass (chrome plated)shell and collet nut, PPS insulation, Male solder contacts, C type collet for 6.2 mm diameter cable.

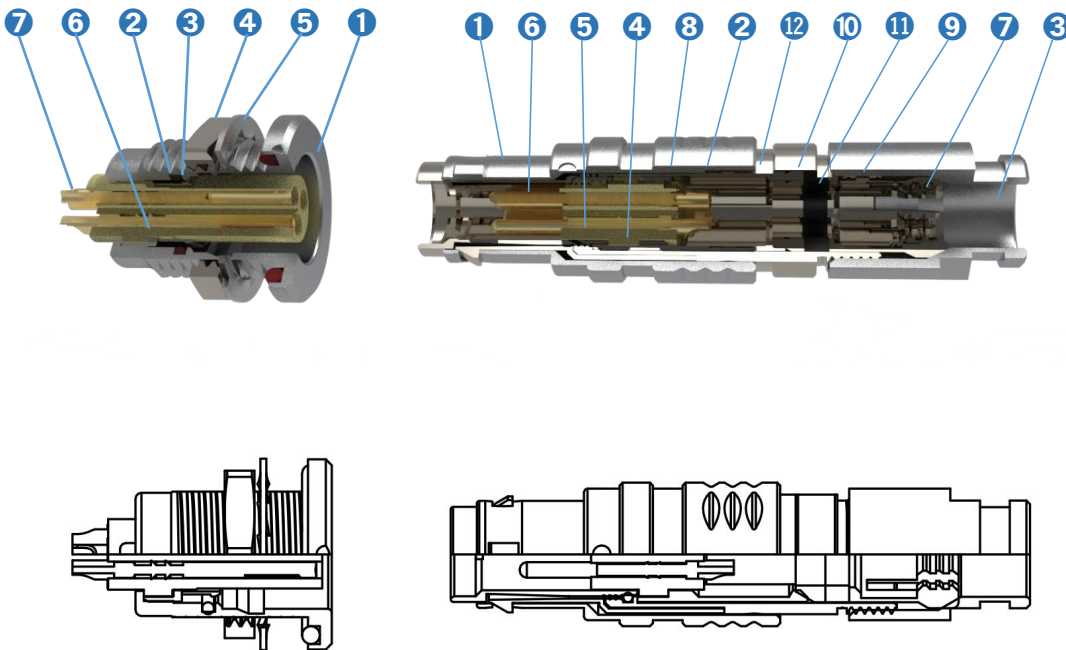
Free Socket:

SHG.1T306.CPLC.62Y: Free Socket, Key (G) with cable collet, 1T series, Multi-pole, 6Pins, Brass (chrome plated)shell and collet nut, PPS insulation, Male solder contacts, C type collet for 6.2 mm diameter cable and nut for fitting a bend relief.

Fixed Socket:

SGG.1T306.CPL: Fixed Socket, Key (G) , 1T series, Multi-pole type, 6Pins, Brass (chrome plated)shell, PPS insulation, Female solder contacts.

Part section showing internal components



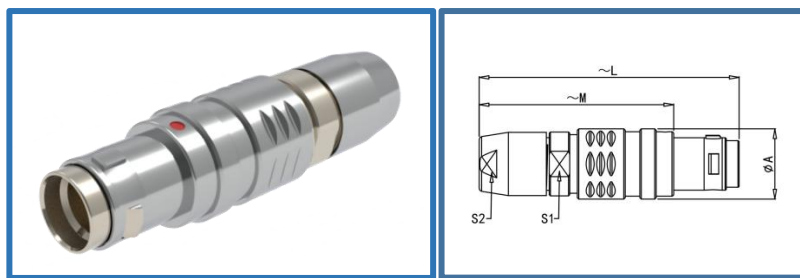
FIXED SOCKET

- ① 外壳 outer shell
- ② 接地环 earthing ring
- ③ 固定环 fixing ring
- ④ 六角螺母 hexagonal nut
- ⑤ 止转垫圈 anti-rotation washer
- ⑥ 绝缘体 insulator
- ⑦ 母针芯 female contact

STRAIGHT PLUG

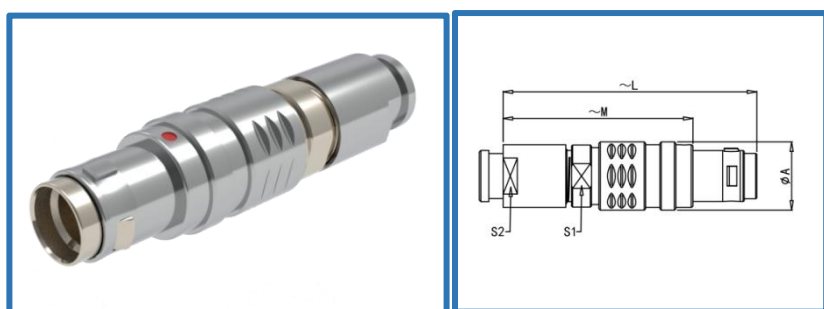
- ① 外壳 outer shell
- ② 内套 inner sleeve
- ③ 尾盖 collet nut
- ④ 绝缘体固定片 split insert carrier
- ⑤ 绝缘体 insulator
- ⑥ 公针芯 male contact
- ⑦ 线夹 collet
- ⑧ 内壳 inner shell
- ⑨ 固定环 fixing ring
- ⑩ 接地锥 earthing cone
- ⑪ 弹性垫圈 elastic washer
- ⑫ 金属垫 metal washe

PGG Straight plug, key (G) or keys (A~J) ,cable collet



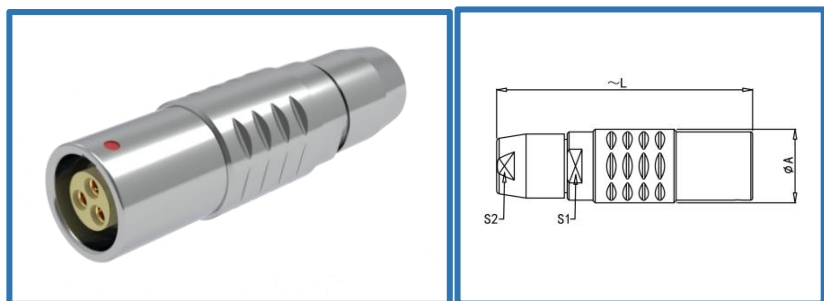
REFERENCE		DIMENSIONS(mm)				
SERIES	MODEL	A	L	M	S1	S2
0T	PGG	9.5	39.0	29.0	8	7
1T	PGG	12.0	46.0	35.0	10	9
2T	PGG	15.0	55.0	43.0	13	12
3T	PGG	18.8	64.0	49.0	15	14

PGG Straight Plug, key (G) or keys (A~J) cable collet and nut for fitting a bend relief



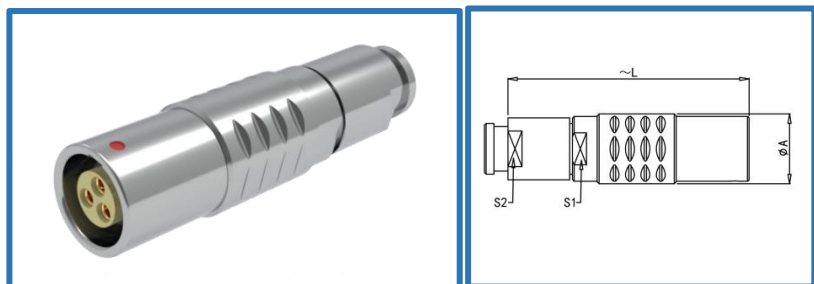
REFERENCE		DIMENSIONS(mm)				
SERIES	MODEL	A	L	M	S1	S2
0T	PGG	9.5	39.0	28.0	8	7
1T	PGG	12.0	46.0	34.0	10	9
2T	PGG	15.0	55.0	42.0	13	12
3T	PGG	18.8	64.0	47.0	15	15

SHG Free Socket, key (G) or keys (A~J) , cable collet



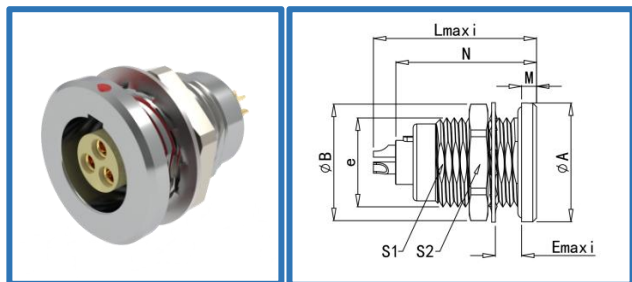
REFERENCE		DIMENSIONS(mm)				
SERIES	MODEL	A	L	S1	S2	
0T	SHG	9.5	38.0	8	7	
1T	SHG	12.4	43.5	10	9	
2T	SHG	15.5	52.0	14	12	
3T	SHG	18.8	61.5	15	14	

SHG Free Socket, key (G) or keys (A~J) , cable collet and nut for fitting a bend relief



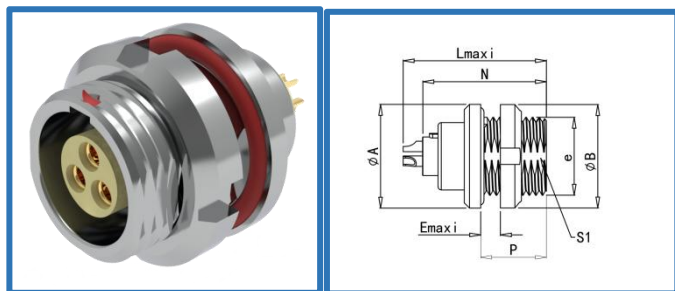
REFERENCE		DIMENSIONS(mm)				
SERIES	MODEL	A	L	S1	S2	
0T	SHG	9.5	37.0	8.0	7	
1T	SHG	12.4	42.5	10.0	9	
2T	SHG	15.5	51.0	14.0	12	
3T	SHG	18.8	60.0	15.0	15	

SGG Fixed Socket, key (G) or keys (A~J) , nut fixing



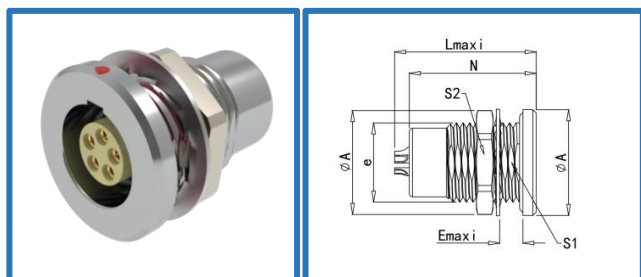
REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	N	S1	S2
0T	SGG	12	12.5	M9x0.6	6.0	20.4	1.5	16.4	8.2	11
1T	SGG	16	16.0	M12x1.0	6.0	23.3	1.8	18.8	10.5	14
2T	SGG	19	19.6	M15x1.0	7.5	25.6	1.8	21.5	13.5	17
3T	SGG	23	25.1	M18x1.0	9.6	33.6	2.5	25.0	16.5	22

SEG Fixed Socket, nut fixing, key (G) or keys (A~J) (back panel mounting)



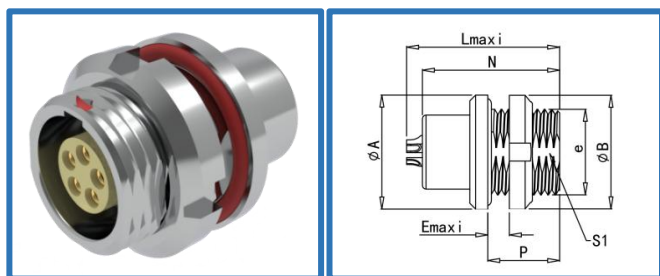
REFERENCE		DIMENSIONS(mm)							
SERIES	MODEL	A	B	e	E	L	N	P	S1
0T	SEG	12.0	12	M9x0.6	6.5	21.0	19.1	9	8.2
1T	SEG	15.5	16	M12x1.0	6.5	23.0	21.5	10	10.5
2T	SEG	18.5	20	M15x1.0	7.5	26.5	24.6	11	13.5
3T	SEG	23.5	24	M18x1.0	7.5	30.1	25.0	12	16.5

SQG Fixed Socket, nut fixing, key (G) or keys (A~J) , watertight or vacuumtight (waterproof mated)



REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	N	S1	S2
0T	SQG	12.0	12.5	M9x0.6	6.5	20.5	1.5	16.5	8.2	11
1T	SQG	15.5	16.0	M12x1.0	6.0	23.3	1.8	19.1	10.5	14
2T	SQG	18.5	19.6	M15x1.0	8.0	27.5	1.8	21.5	13.5	17

SOG Fixed Socket, nut fixing, key (G) or keys (A~J) , watertight or vacuumtight (back panel mounting)



EFERENCE		IMENSIONS(mm)							
SERIES	MODEL	A	B	e	E	L	N	P	S1
0T	SEG	12	12	M9x0.6	6.5	20.5	16.5	9	8.2
1T	SEG	16	16	M12x1.0	6.5	23.3	19.1	10	10.5
2T	SEG	19	20	M15x1.0	7.5	27.5	21.5	11	13.5

S SERIES

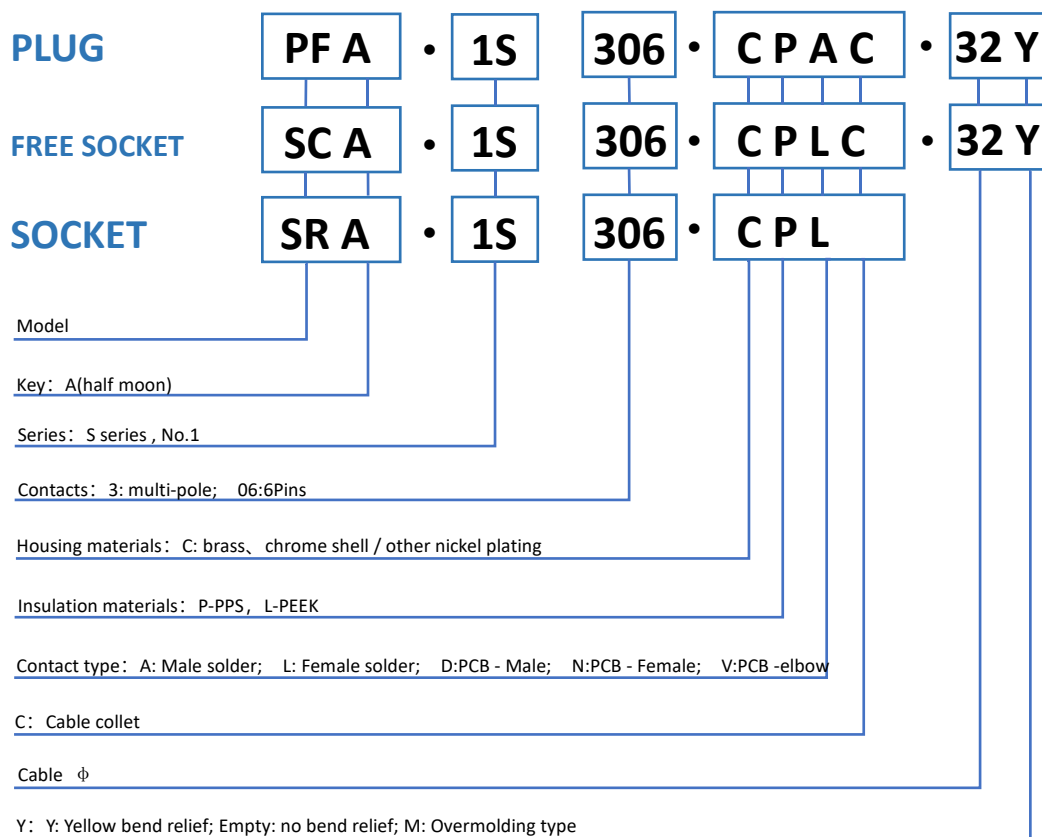
S series metal push-pull connectors

- Security of the Push-Pull self-latching system;
- Multipole 2-6Pins;
- Solder, crimp or print(straight or elbow) contacts;
- High packing density for space savings;
- Polarisation by stepped insert (half-moon)fitted with male and female contacts;
- 360° screening for full EMC shielding;

S series Technical characteristic

- Mating cycles: > 5000 times
- Humidity: at 60 °C, max. up to 95%
- Temperature range: -45 ° ~ + 125 °
- Vibration: 10-20,000HZ, 15g
- Mechanical shock: 100g.6ms
- Salt fog Corrosion:> 48h
- Protection class(mated): IP50

S series part numbering system



Example

Straight Plug with cable collet:

PFA.1S304.CPAC.32: Straight plug, Key (G) with cable collet, 1S series, Multi-pole type, 4Pins, Brass (chrome plated)shell and collet nut, PPS insulation, 2Pins male and 2Pins female solder contacts, C type collet for 3.2mm diameter cable.

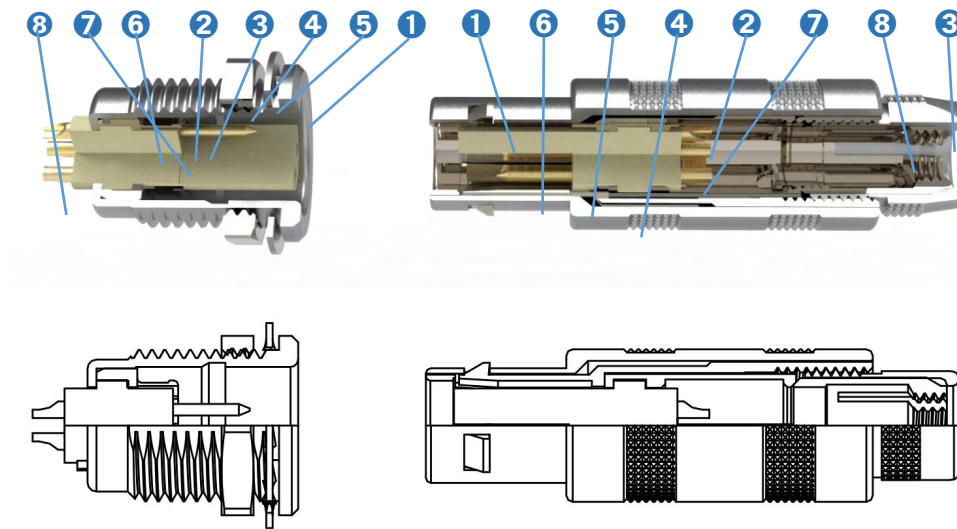
Free Socket:

SCA.1S304.CPL.32Y: Free Socket, Key (G) with cable collet, 1S series, Multi-pole, 4Pins, Brass (chrome plated)shell and collet nut, PPS insulation, 2Pins female and 2Pins male solder contacts, C type collet for 3.2 mm diameter cable and nut for fitting a bend relief.

Fixed Socket:

SRA.1S304.CPL: Fixed Socket, Key (G) , 1S series, Multi-pole type, 4Pins, Brass (chrome plated)shell, PPS insulation, 2Pins female and 2Pins male solder contacts.

Part section showing internal components



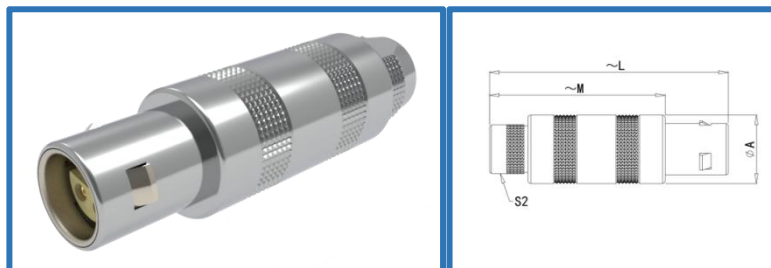
FIXED SOCKET

- ① 外壳 outer shell
- ② 接地环 earthing ring
- ③ 固定环 fixing ring
- ④ 六角螺母 hexagonal nut
- ⑤ 止转垫圈 anti-rotation washer
- ⑥ 绝缘体 insulator
- ⑦ 公针芯 male contact
- ⑧ 母针芯 female contact

STRAIGHT PLUG

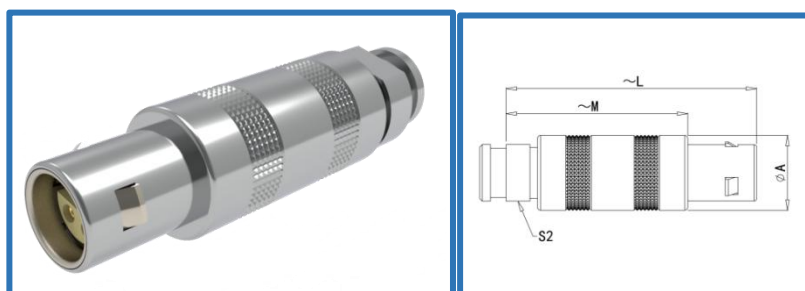
- ① 外壳 outer shell
- ② 内套 inner sleeve
- ③ 尾盖 collet nut
- ④ 定位件 positioning carrier
- ⑤ 绝缘体 insulator
- ⑥ 公针芯 male contact
- ⑦ 母针芯 female contact
- ⑧ 线夹 collet

PFA Straight Plug, cable collet



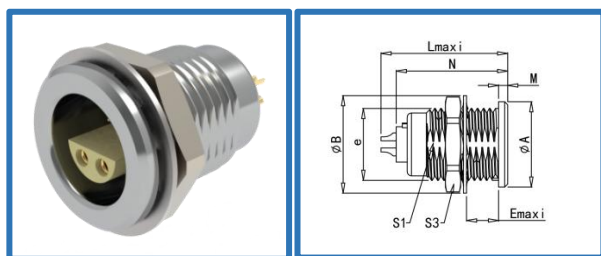
REFERENCE		DIMENSIONS(mm)			
SERIES	MODEL	A	L	M	S2
00S	PFA	6.4	26.0	18.0	6.0
0S	PFA	8.8	34.5	24.5	6.5
1S	PFA	11.8	42.5	31.5	8.5
2S	PFA	14.8	52.0	40.0	11.0

PFA Straight Plug, cable collet and nut for fitting a bend relief



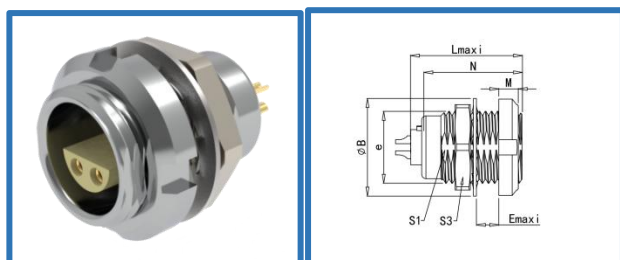
REFERENCE		DIMENSIONS(mm)			
SERIES	MODEL	A	L	M	S2
00S	PFA	6.4	26.0	18.0	6
0S	PFA	8.8	34.5	24.5	7
1S	PFA	11.8	42.5	31.5	9
2S	PFA	14.8	52.0	40.0	12

SRA Fixed Socket, nut fixing



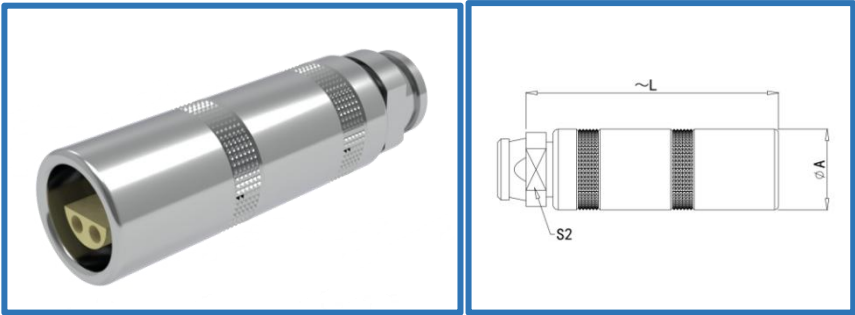
REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	S1	S3	N
00S	SRA	8	10.2	M7x0.5	5.5	14.5	1.0	6.3	9	12.5
0S	SRA	10	12.3	M9x0.5	6.0	18.5	1.25	8.2	11	16.0
1S	SRA	14	16.0	M12x1.0	7.5	20.5	1.5	10.5	14	18.3
2S	SRA	18	19.2	M15x1.0	8.0	24.8	2.0	13.5	17	22.5

SRD Fixed Socket with two nuts



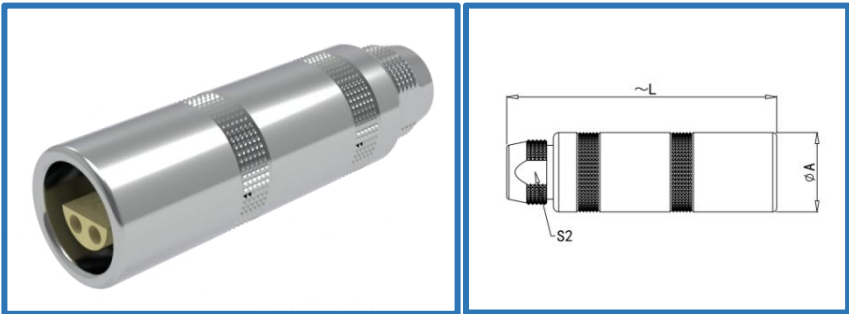
REFERENCE		DIMENSIONS(mm)								
SERIES	MODEL	A	B	e	E	L	M	N	S1	S3
0S	SRD	12	12.5	M9x0.5	5.5	18.5	2.5	16.0	8.2	11
1S	SRD	16	16.0	M12x1.0	6.0	20.5	3.2	18.3	10.5	14
2S	SRD	20	20.0	M15x1.0	6.5	24.8	3.5	22.5	13.5	17

SCA Free Socket, cable collet and nut for fitting a bend relief



REFERENCE		DIMENSIONS(mm)		
SERIES	MODEL	A	L	S2
0S	SCA	8.9	33.5	7
1S	SCA	11.9	40.5	9
2S	SCA	14.8	50.0	12

SCA Free Socket, cable collet



REFERENCE		DIMENSIONS(mm)		
SERIES	MODEL	A	L	S2
0S	SCA	8.9	33.5	6.5
1S	SCA	11.9	40.5	8.5
2S	SCA	14.8	50.0	11.0

F SERIES

F series metal push-pull connectors

- Push pull self-latching system
- Multipole 2-32Pins;
- Solder or print(straight or elbow) contacts;
- High packing density for space savings;
- Internal semi-circle keying to avoid mismating;
- 360° screening for full EMC shielding;

F series Technical characteristic

- Mating cycles: > 5000 times
- Humidity: at 60 °C, max. up to 95%
- Temperature range: -45 ° ~ + 125 °
- Vibration: 10-20,000HZ, 15g
- Mechanical shock: 100g.6ms
- Salt fog Corrosion:> 48h
- Protection class(mated): IP66~IP68

F series part numbering system

PLUG

PG G • 0F 306 • C P A C • 52 L

FREE SOCKET

SH G • 0F 306 • C P L C • 52 L

SOCKET

SG G • 0F 306 • C P L

Model

Key: G. A...

Series: F series , No.0

Contacts: 3: multi-pole; 06:6Pins

Housing materials: C: brass, chrome shell / other nickel plating

Insulation materials: P-PPS, L-PEEK

Contact type: A: Male solder; L: Female solder; D:PCB - Male; N:PCB - Female; V:PCB -elbow

C: Cable collet

Cable ϕ

L: L: Black bend relief; Empty: no bend relief; M: Overmolding type

Example

Straight Plug with cable collet:

PGG.0F306.CPAC.52: Straight plug, Key (G) with cable collet, 0F series, Multi-pole type, 6Pins, Brass (chrome plated)shell and collet nut, PPS insulation, Male solder contacts, C type collet for 5.2 mm diameter cable.

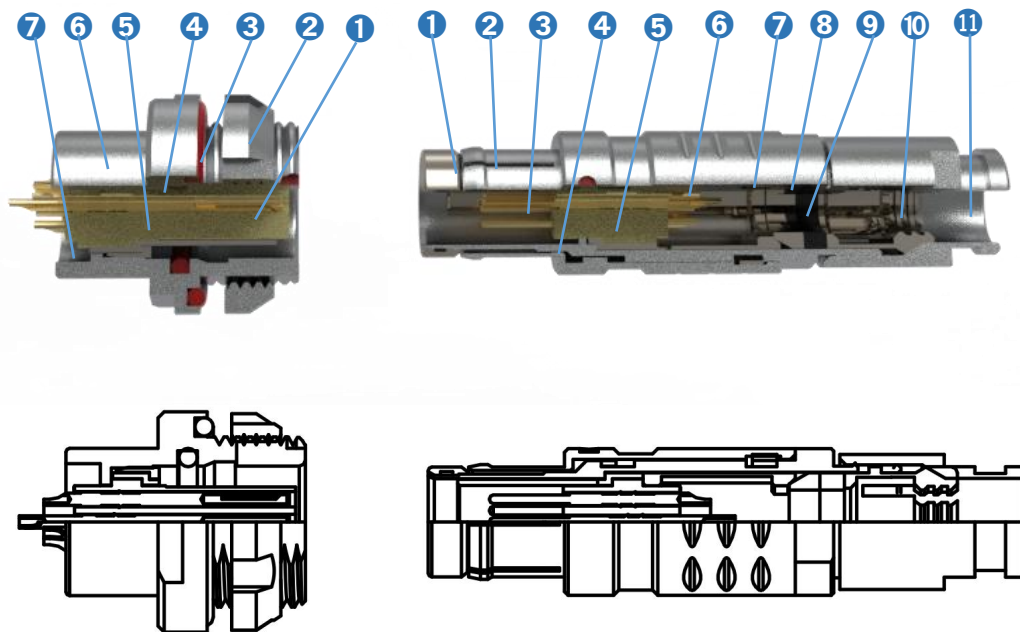
Free Socket:

SHG.0F306.CPLC.52G: Free Socket, Key (G) with cable collet, 0F series, Multi-pole, 6Pins, Brass (chrome plated)shell and collet nut, PPS insulation, Male solder contacts, C type collet for 5.2 mm diameter cable and nut for fitting a bend relief.

Fixed Socket:

SGG.0F306.CP: Fixed Socket, Key (G) , 0F series, Multi-pole type, 6Pins, Brass (chrome plated)shell, PPS insulation, Female solder contacts.

Part section showing internal components



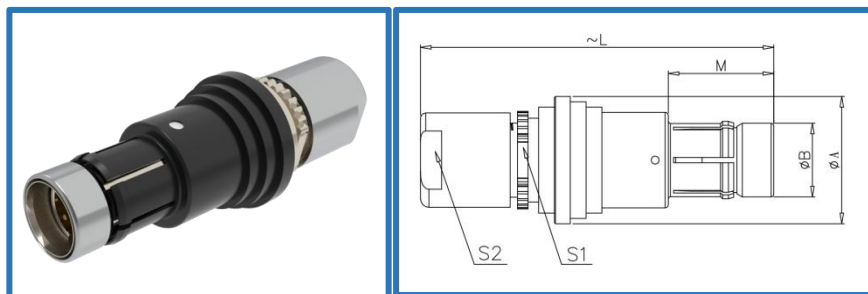
FIXED SOCKET

- ① 插孔 female contact
- ② 开槽螺母 slotted nut
- ③ O 型圈 o-rings
- ④ 挡圈 earthing crown
- ⑤ 孔绝缘体 insulator
- ⑥ 插座外壳 outer shell
- ⑦ 密封胶 rear seal

STRAIGHT PLUG

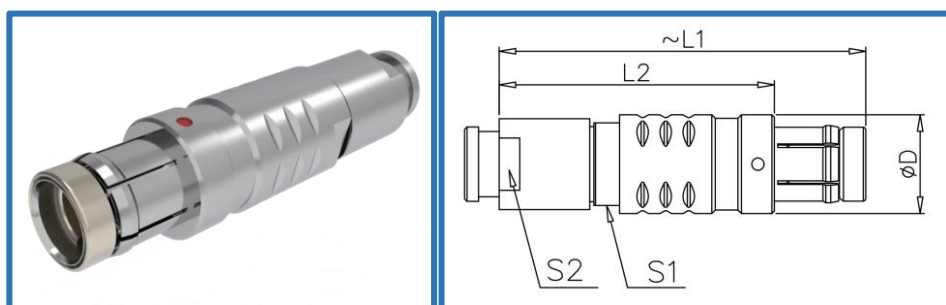
- ① 镶套 latch sleeve
- ② 插头外壳 outer shell
- ③ 插针 male contact
- ④ 插头内套 inner sleeve
- ⑤ 针绝缘体 insulator
- ⑥ 接地片 earthing crown
- ⑦ 卡簧 ring
- ⑧ 挡环 stopper
- ⑨ 封垫 gasket
- ⑩ 电缆夹 cable collet
- ⑪ 尾帽 collet nut

PLG Straight Plug, cable collet, Internal semi-circle keying to avoid mismating, IP50/IP68



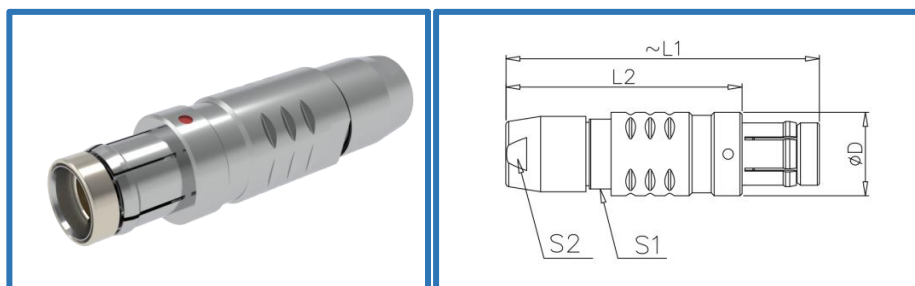
REFERENCE	DIMENSIONS(mm)					
SERIES	A	B	L	M	S1	S2
0F	11.9	7	34	10	8	7
1F	14.9	9	37	11	11	11
1.5F	15.5	10	40	10	12	12
2F	17.9	12	45	12	14	14
3F	21.3	15	51	15.2	17	16

PGG Straight Plug with cable collet and nut for fitting a bend relief, Internal semi-circle keying to avoid mismating, IP50/IP68



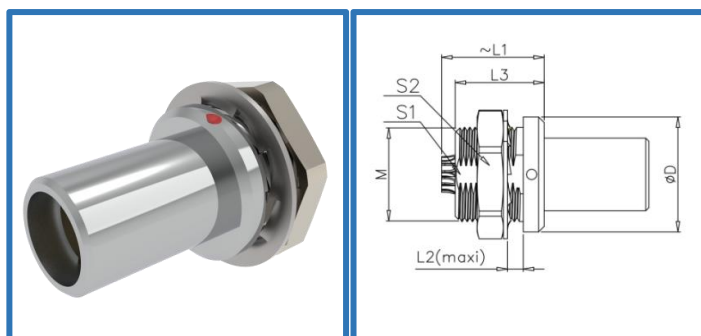
REFERENCE	DIMENSIONS(mm)				
SERIES	L1	L2	D	S1	S2
0F	~40	~30	9.4	8	7
1F	~49	~38	12	10	10
1.5F	~50	~40	13	11	12
2F	~53	~40	15	13	12
3F	~62	~47	18	16	15

PGG Straight Plug, cable collet, Internal semi-circle keying to avoid mismating, IP50/IP68



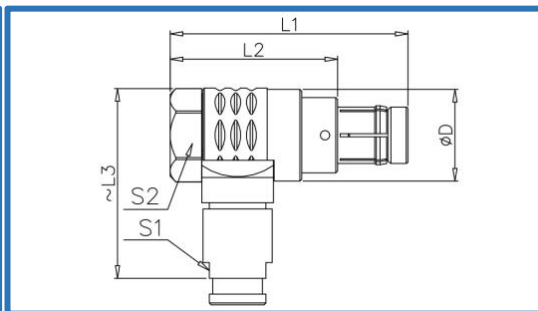
REFERENCE	DIMENSIONS(mm)				
SERIES	L1	L2	D	S1	S2
0F	~37	~30	9.4	8	7
1F	~47	~38	12	10	10
1.5F	~48	~40	13	11	12
2F	~50	~40	15	13	12
3F	~60	~47	18	16	15

PAG Fixed Plug, non-latching, nut fixing, IP50



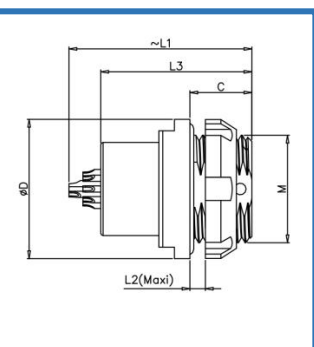
REFERENCE	DIMENSIONS(mm)						PANEL HOLES
SERIES	L1	L2	L3	D	S1	S2	
0F	17.0	5.8	24.5	10	8.2	11	SW 8.3/φ9.1
1F	22.3	10.0	29.5	14	10.5	14	SW 10.6/φ12.1
2F	23.5	9.7	31.5	18	13.5	17	SW 13.6/φ15.1
3F	29.0	12.0	33.0	22	16.5	22	SW 16.6/φ18.1

PHG Elbow (90°) Plug, cable collet and nut for fitting a bend relief, IP50/IP68



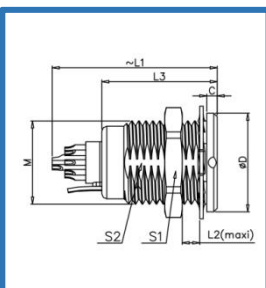
REFERENCE	DIMENSIONS(mm)					
SERIES	L1	L2	L3	D	S1	S2
0F	33	23	25	12	8	13
1F	38	27	31	15	9	16
1.5F	39	29	33	17	12	18
2F	45	32	37	19	12	20
3F	53	38	45	23	15	24

SOG Fixed Socket, nut fixing, (back panel mounting), IP68



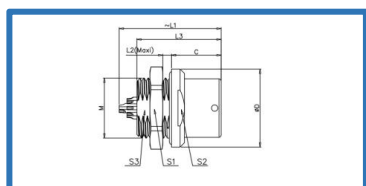
REFERENCE	DIMENSIONS(mm)						PANEL HOLES
SERIES	L1	L2	L3	M	D	C	
0F	~22.0	~3.5	17.0	9x0.5	14.0	6.5	SW 8.3/φ9.1
1F	~26.0	~4.0	21.0	14x1	18.0	8.0	SW 12.1/φ14.1
1.5F	~24.0	~3.0	19.5	14x1	19.0	7.0	SW 12.1/φ14.1
2F	~28.0	~3.0	23.0	16x1	21.0	8.0	SW 14.4/φ16.1
3F	~30.0	~6.0	26.5	20x1	26.0	11.0	SW 18.2/φ20.1

SGG Fixed Socket, nut fixing, Grounding optional



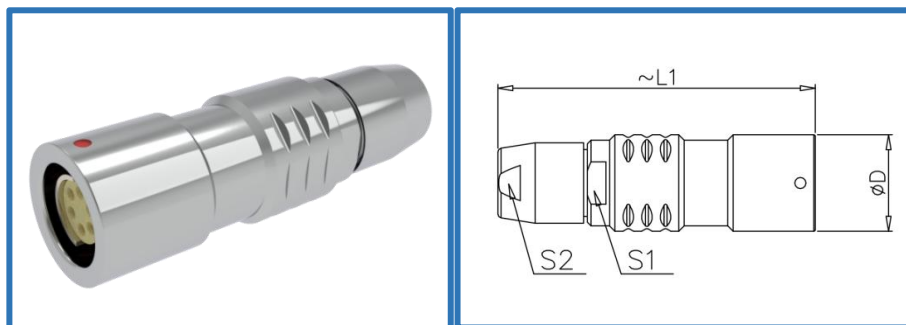
REFERENCE	DIMENSIONS(mm)								PANEL HOLES
SERIES	L1	L2	L3	M	D	S1	S2	C	
0F	~19.5	~9.0	14.5	9x0.5	10.0	11.0	8.0	1.5	SW 8.3/φ9.1
1F	~24.0	~8.0	16.5	12x1	14.0	14.0	10.0	1.5	SW 10.1/φ12.1
2F	~27.5	~10.0	18.5	15x1	18.0	17.0	13.5	2.0	SW 13.6/φ15.1
3F	~33.0	~13.0	22.5	18x1	22.0	22.0	16.5	2.0	SW 16.6/φ18.1

SDG Fixed Socket, nut fixing, (back panel mounting)



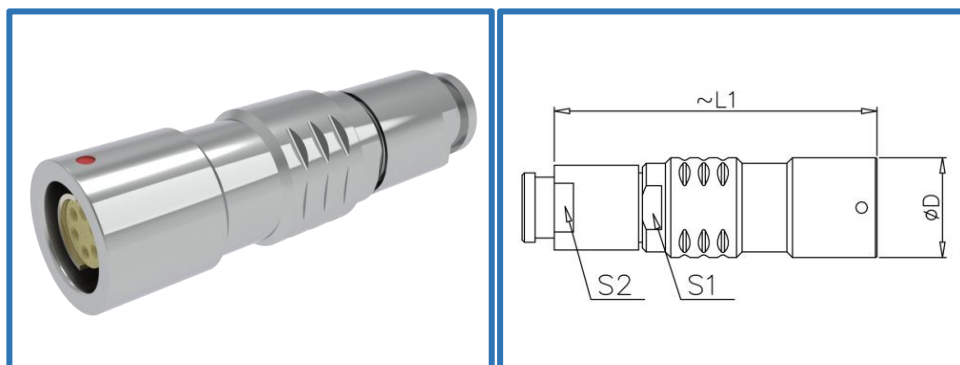
REFERENCE	DIMENSIONS(mm)									PANEL HOLES
SERIES	L1	L2	L3	M	D	S1	S2	S3	C	
0F	~22.5	~4.5	18.5	9x0.5	14.5	11.0	12.0	8.2	12.0	SW 8.3/φ9.1
1F	~26.0	~4.0	22.5	14x1	18.0	17.0	14.0	12.0	15.5	SW 12.1/φ14.1
2F	~28.0	~5.0	21.6	14x1	19.0	17.0	15.0	12.0	13.6	SW 12.1/φ14.1
3F	~28.0	~4.5	23.0	16x1	21.0	19.0	17.0	14.0	11.5	SW 14.1/φ16.1

SHG Free Socket , cable collet , IP50/IP68



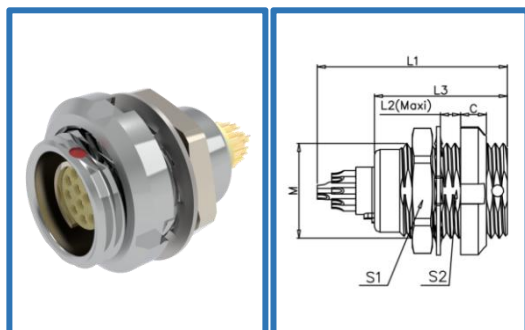
REFERENCE	DIMENSIONS(mm)			
SERIES	L1	D	S1	S2
0F	~35	9.5	8	7
1F	~43	12.0	10	10
2F	~50	15.0	13	12
3F	~56	18.0	16	15

SHG Free Socket, cable collet and nut for fitting a bend relief, IP50/IP68



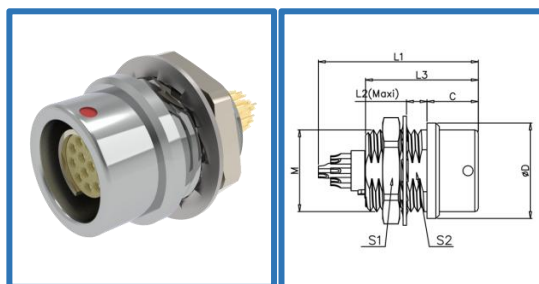
REFERENCE	DIMENSIONS(mm)			
SERIES	L1	D	S1	S2
0F	~37	9.5	8	7
1F	~45	12.0	10	10
2F	~53	15.0	13	12
3F	~58	18.0	16	15

SCG Fixed Socket with two nut fixing, IP50



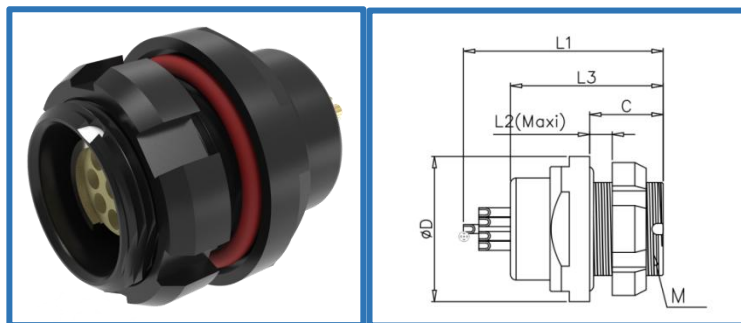
REFERENCE	DIMENSIONS(mm)								PANEL HOLES
SERIES	L1	L2	L3	M	D	S1	S2	C	
0F	~19.0	~8.0	14.5	9x0.5	11.5	11.0	8.0	3.0	SW 8.1/φ9.1
1F	~24.2	~7.0	16.5	12x1	15.0	14.0	10.0	4.0	SW 10.1/φ12.1
1.5F	~24.0	~6.0	15.5	14x1	18.0	17.0	12.0	4.0	SW 12.1/φ14.1
2F	~27.5	~9.0	18.5	15x1	19.0	17.0	13.5	4.0	SW 13.6/φ15.1
3F	~33.0	~11.0	22.5	18x1	23.0	22.0	16.5	5.0	SW 16.6/φ18.1

SUG Fixed Socket (back panel mounting), IP50



REFERENCE	DIMENSIONS(mm)								PANEL HOLES
SERIES	L1	L2	L3	M	D	S1	S2	C	
0F	~19.3	~3.0	16.0	9x0.5	10.9	11.0	-	10.0	SW 8.2/φ9.1
1F	~24.0	~4.5	17.5	12x1	14.0	14.0	12.0	7.5	SW 10.4/φ12.1
1.5F	~26.0	~5.0	17.0	14x1	18.0	17.0	15.0	9.0	SW 12.1/φ14.1
2F	~26.0	~6.0	19.5	16x1	19.0	19.0	17.0	11.0	SW 13.6/φ16.1

SLG Fixed Socket with vacuumtight, nut fixing, IP68



REFERENCE	DIMENSIONS(mm)					
SERIES	L1	L2	L3	M	D	C
0F	17.5	3.5	14	9x0.5	13	6.5

METAL TYPE:

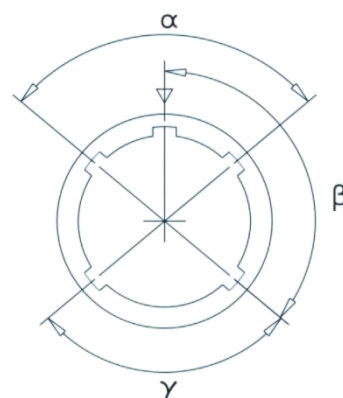
SHELL PART NO:

CODE	SHELL & COLLET NUT		LATCH SLEEVE+EARTHING		OTHERS	
	MATERIAL	SURFACE TREATMENT	MATERIAL	SURFACE TREATMENT	MATERIAL	SURFACE TREATMENT
C	BRASS	PEARL CHROME	BRONZE/BRASS	NICKEL	BRASS	NICKEL
N	BRASS	NICKEL	BRONZE/BRASS	NICKEL	BRASS	NICKEL
K	BRASS	BLACKCHROME	BRONZE/BRASS	NICKEL	BRASS	NICKEL
S	STAINLESS STEEL	-	BRONZE/BRASS	NICKEL	BRASS	NICKEL
T	STAINLESS STEEL	-	STAINLESS STEEL	NICKEL	BRASS	NICKEL
U	STAINLESS STEEL	-	STAINLESS STEEL	NICKEL	STAINLESS STEEL	NICKEL
L	ALUMINIUM ALLOY	ANODIZE	BRONZE/BRASS	NICKEL	BRASS	NICKEL
X	ALUMINIUM ALLOY	BLACK NICKEL	BRONZE/BRASS	NICKEL	BRASS	NICKEL

KEY:

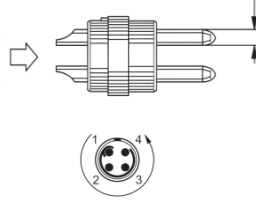
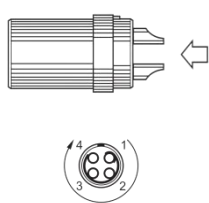
CODE	NUMBER	ANGLE	SERIES		
			00B	0B	1B
G	1	-	0°	0°	0°
A	2	α	30°	30°	30°
B	2		60°	60°	60°
C	2		-	90°	90°
D	2	β	-	135°	135°
E	2		-	145°	145°
F	2		-	155°	155°
J	2	γ	45°	45°	45°

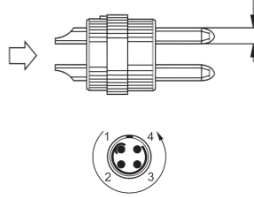
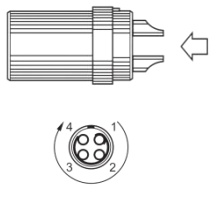
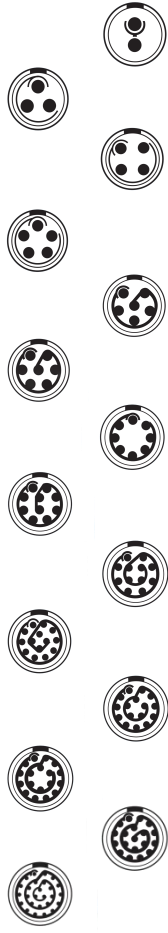
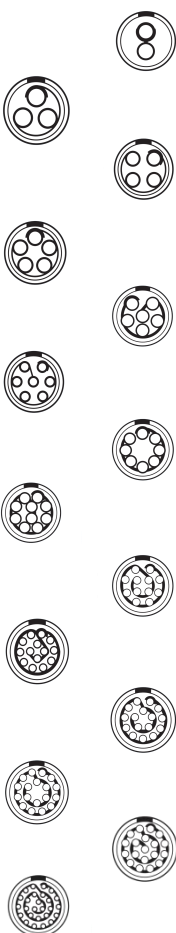
插座正视图

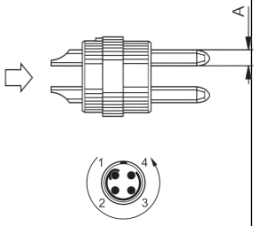
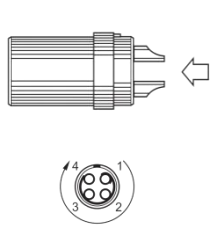
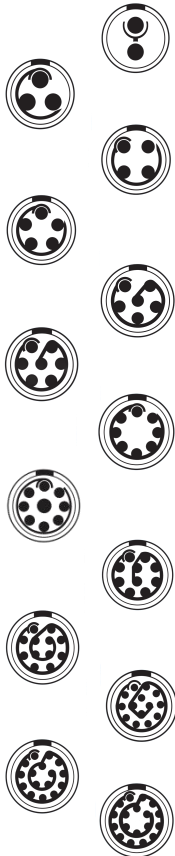
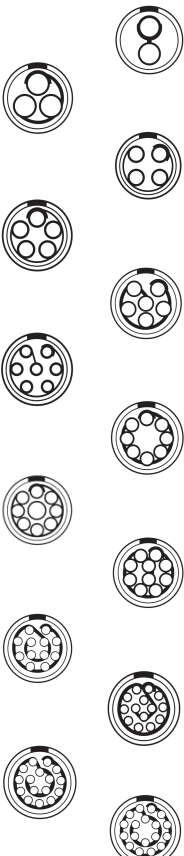


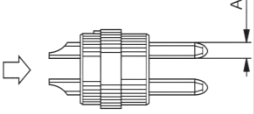
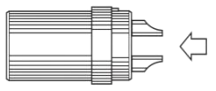
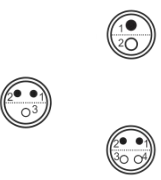
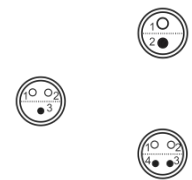
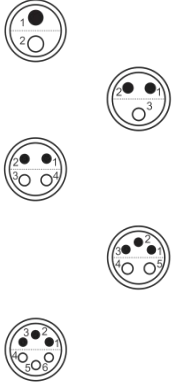
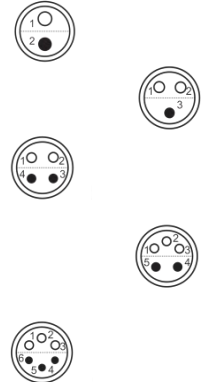
CODE	NUMBER	ANGLE	SERIES				
			2B	3B	0K	1K	2K
G	1	-	0°	0°	0°	0°	0°
A	2	α	30°	30°	30°	30°	30°
B	2		45°	45°	45°	45°	45°
C	2		60°	60°	60°	60°	60°
D	2	γ	95°	95°	95°	95°	95°
E	2	β	120°	120°	120°	120°	120°
F	2		145°	145°	145°	145°	145°
J	2	γ	70°	70°	75°	75°	75°

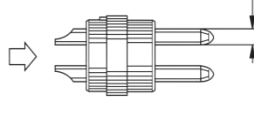
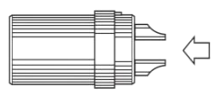
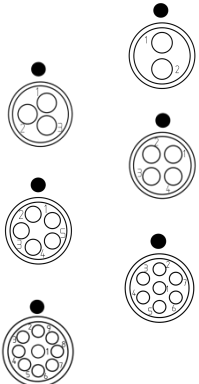
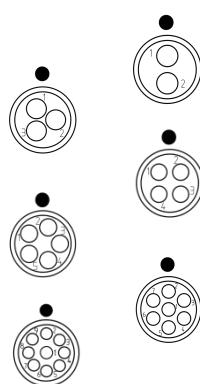
NEEDLE CORE CONFIGURATION:

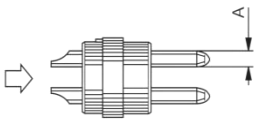
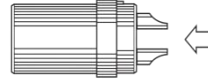
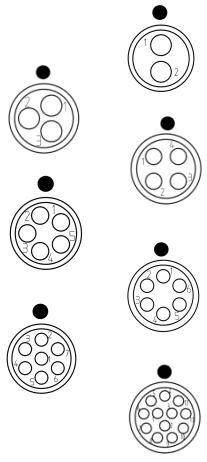
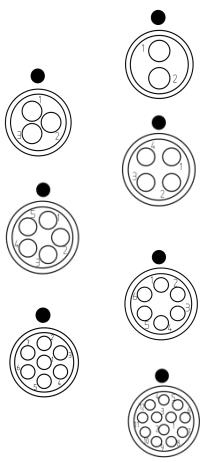
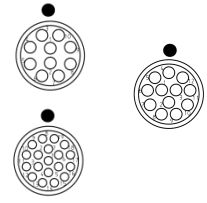
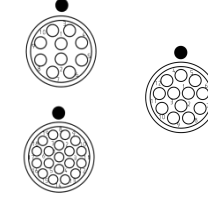
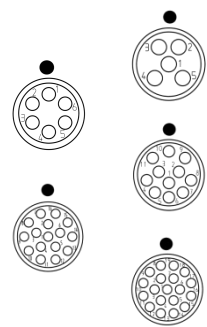
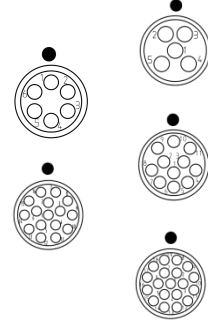
Series	MALE	FEMALE	Reference	Pins	Contact ø (m m)	PINS TYPE			SOLDER PINS		Working voltage(V)	Rated current(A)	Contact resistance (mΩ)
						Solder	Print (straight)	Print (elbow)	Test voltage (kV 1) rms Contact-contact	Test voltage (kV 1) rms Contact-shell			
00	  	  	302	2	0.5	I	I	I	1	0.95	330	5	10
		  	303	3	0.5	I	I	I	0.8	0.95	260	3	10
		 	 	304	4	0.5	I	I	I	0.8	0.65	260	2
0B 0K 0C 0T	      	      	302	2	0.9	I	I	I	1.3	1.05	430	10	6
	     	     	303	3	0.9	I	I	I	1.2	0.9	400	8	6
	    	    	304	4	0.7	I	I	I	0.85	0.7	280	7	7.5
	   	   	305	5	0.7	I	I	I	1	0.7	280	6.5	7.5
	  	  	306	6	0.5	I	I	I	0.85	0.65	280	2.5	10
	 	 	307	7	0.5	I	I	I	0.8	0.7	260	2.5	10
			309	9	0.5	I	I	ç	0.6	0.5	200	2	10
1B 1K 1C 1T	          	          	302	2	1.3	I	I	I	1.5	1.35	500	15	5
	         	         	303	3	1.3	I	I	I	1.3	1.55	430	12	5
	        	        	304	4	0.9	I	I	I	1.35	1.45	430	10	6
	       	       	305	5	0.9	I	I	I	1.25	1.15	415	9	6
	      	      	306	6	0.7	I	I	I	1.05	1.2	350	7	7.5
	     	     	307	7	0.7	I	I	I	0.95	1.05	315	7	7.5
	    	    	308	8	0.7	I	I	I	0.95	1.15	315	315	7.5
	   	   	312	12	0.5	I	I	I	0.9	1.5	300	300	10
	  	  	314	14	0.5	I	I	I	0.8	1.2	280	280	10
	 	 	316	16	0.5	I	I	ç	0.8	1.25	260	260	10

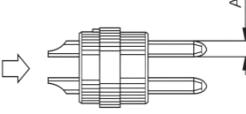
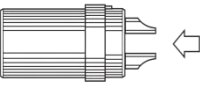
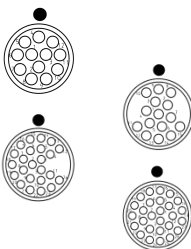
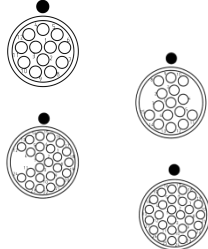
Series	MALE	FEMALE	Reference	Pins	Contact ϕ (m m)	PINS TYPE			SOLDER PINS		Working voltage(V)	Rated current(A)	Contact resistance (m Ω)
						Solder	Print (straight)	Print (elbow)	Test voltage (kV 1) rms Contact-contact	Test voltage (kV 1) rms Contact-shell			
2B 2K 2C 2T			302	2	2	I	I	I	2.1	1.75	700	30	3
			303	3	1.6	I	I	I	2.4	1.85	800	17	4
			304	4	1.3	I	I	I	1.85	1.85	610	15	5
			305	5	1.3	I	I	I	1.75	1.6	580	14	5
			306	6	1.3	I	I	I	1.35	1.45	450	12	5
			307	7	1.3	I	I	I	1.75	1.6	580	11	5
			308	8	0.9	I	I	I	1.5	1.25	500	10	6
			310	10	0.9	I	I	I	1.45	1.3	500	8	6
			312	12	0.7	I	I	I	1.25	1.35	480	7	7.5
			314	14	0.7	I	I	I	1.15	1.35	380	6.5	7.5
			316	16	0.7	I	I	I	0.95	1.25	315	6	7.5
			318	18	0.7	I	I	I	0.85	1.2	280	5.5	7.5
			319	19	0.7	I	I	I	0.95	1.25	280	5	7.5
			326	26	0.5	I	I	ç	0.95	1.3	315	2	10

Series	MALE	FEMALE	Reference	Pins	Contact ϕ (m m)	PINS TYPE			SOLDER PINS		Working voltage(V)	Rated current(A)	Contact resistance (m Ω)
						Solder	Print (straight)	Print (elbow)	Test voltage (kV 1) rms Contact-contac	Test voltage (kV 1) rms Contact-shell			
3B 3K 3C 3T			302	2	3	I	ç	-	2.1	1.55	700	35	2
			303	3	2	I	I	ç	1.9	1.5	625	25	3
			304	4	2	I	I	ç	1.45	1.25	475	19	3
			305	5	1.6	I	I	ç	1.9	1.25	625	19	4
			306	6	1.6	I	I	ç	0.6	1.15	545	17	4
			307	7	1.6	I	I	ç	1.7	1.25	565	15	4
			308	8	1.3	I	I	I	1.65	1.15	550	13	5
			309	9	1.3	I	I	-	1.35	1.05	450	6	5
			310	10	1.3	I	I	ç	1.35	1.05	450	15	5
			312	12	1.3	I	I	I	1.25	0.9	415	12	5
			314	14	0.9	I	I	I	1.45	1	395	9	6
			316	16	0.9	I	I	I	1.2	1.2	395	9	6
			318	18	0.9	I	I	I	1.2	0.85	395	8	6

Series	MALE	FEMALE	Reference	Pins	Contact ϕ (m m)	PINS TYPE			SOLDER PINS		Working voltage(V)	Rated current(A)	Contact resistance (m Ω)
						Solder	Print (straight)	Print (elbow)	Test voltage (kV 1) rms Contact-contac	Test voltage (kV 1) rms Contact-shell			
0S			302	2	0.9	I	I	I	1.5	2.1	500	10	6
			303	3	0.7	I	I	I	1	1.5	330	7	7
			304	4	0.7	I	I	I	1	1.5	330	7	7
1S			302	2	1.3	I	I	I	1.2	1.8	400	15	5
			303	3	0.9	I	I	I	1.2	1.8	400	10	6
			304	4	0.9	I	I	I	1.2	1.8	400	10	6
			305	2	0.9	I	I	I	1.5	2.1	500	10	6
				3	0.7	I	I	I	1.5	2.1	500	7	7.5
			306	6	0.7	I	I	I	1.5	2.1	500	7	7.5

Series	MALE	FEMALE	Reference	Pins	Contact ϕ (m m)	PINS TYPE			SOLDER PINS		Working voltage(V)	Rated current(A)	Contact resistance (m Ω)
						Solder	Print (straight)	Print (elbow)	Test voltage (kV 1) rms Contact-contac	Test voltage (kV 1) rms Contact-shell			
0F			302	2	0.9	I	I	ç	1.3	1.05	430	0.5	6
			303	3	0.9	I	I	ç	1.2	0.9	400	0.4	6
			304	4	0.7	I	I	I	0.85	0.7	280	0.3	7.5
			305	5	0.7	I	I	I	0.85	0.7	280	0.366	7.5
			307	7	0.5	I	I	I	0.8	0.7	260	0.3	10
			309	9	0.5	I	I	I	0.6	0.5	200	2	10

Series	MALE	FEMALE	Reference	Pins	Contact ϕ (m m)	PINS TYPE			SOLDER PINS		Working voltage(V)	Rated current(A)	Contact resistance (m Ω)
						Solder	Print (straight)	Print (elbow)	Test voltage (kV 1) rms Contact-contac	Test voltage (kV 1) rms Contact-shell			
1F			302	2	1.3	I	I	I	1.5	1.35	500	0.55	5
			303	3	1.3	I	I	I	1.3	1.45	430	0.5	5
			304	4	0.9	I	I	ç	1.3	1.45	430	0.5	6
			305	5	0.9	I	I	I	1.25	1.15	415	0.45	6
			306	6	0.7	I	I	ç	1.05	1.05	350	0.4	7.5
			307	7	0.7	I	I	I	0.95	1.0	315	0.4	7.5
			312	12	0.5	I	I	I	0.9	0.8	300	0.366	10
1.5F			310	10	0.7	I	I	I	1.1	1.25	360	0.4	7.5
			312	12	0.7	I	I	I	1.05	1.15	350	0.4	7.5
			319	19	0.5	I	I	I	0.8	0.75	260	0.333	10
2F			305	5	1.3	I	I	I	1.5	1.65	500	0.5	5
			306	6	0.9	I	I	ç	1.8	1.65	600	0.6	6
			311	11	0.9	I	I	I	1.3	1.4	430	0.45	6
			316	16	0.7	I	I	I	1.25	1.3	415	0.45	7.5
			319	19	0.7	I	I	I	0.95	1.2	315	0.4	7.5

Series	MALE	FEMALE	Reference	Pins	Contact ϕ (m m)	PINS TYPE			SOLDER PINS		Working voltage(V)	Rated current(A)	Contact resistance (m Ω)
						Solder	Print (straight)	Print (elbow)	Test voltage (kV 1) rms Contact-contac	Test voltage (kV 1) rms Contact-shell			
3F			312	12	1.3	I	I	ç	1.2	1.0	400	0.45	5
			315	15	0.9	I	I	ç	1.2	1.0	400	0.45	6
			324	24	0.7	I	I	ç	0.9	0.75	300	0.33	7.5
			327	27	0.7	I	I	ç	0.85	0.7	300	0.33	7.5