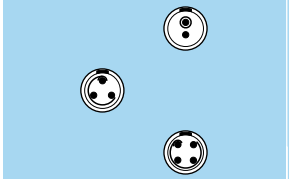
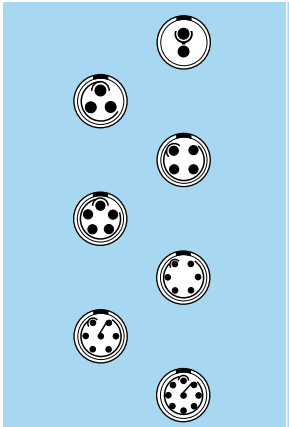
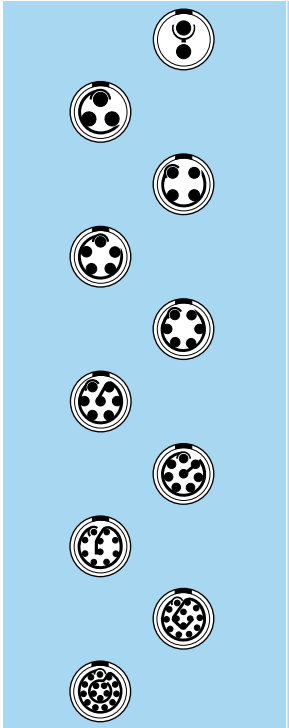
Acceptable cable diameters

Series	Cable diameter range (mm)											
	C type collet		D type collet		K type collet		L type collet		M type collet		With heatshrink boot	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
00	–	–	1.1	3.4	–	–	–	–	–	–	–	–
0B	–	–	1.5	5.5	–	–	–	–	–	–	–	–
1B	–	–	3.1	7.5	–	–	–	–	2.2	3.0	–	–
2B	–	–	4.1	9.7	–	–	–	–	1.5	4.0	–	–
3B	–	–	5.1	11.7	–	–	–	–	4.1	5.0	–	–
4B	–	–	9.1	16.0	–	–	–	–	5.1	9.0	–	–
5B	–	–	9.6	25.0	–	–	–	–	–	–	–	–

Type

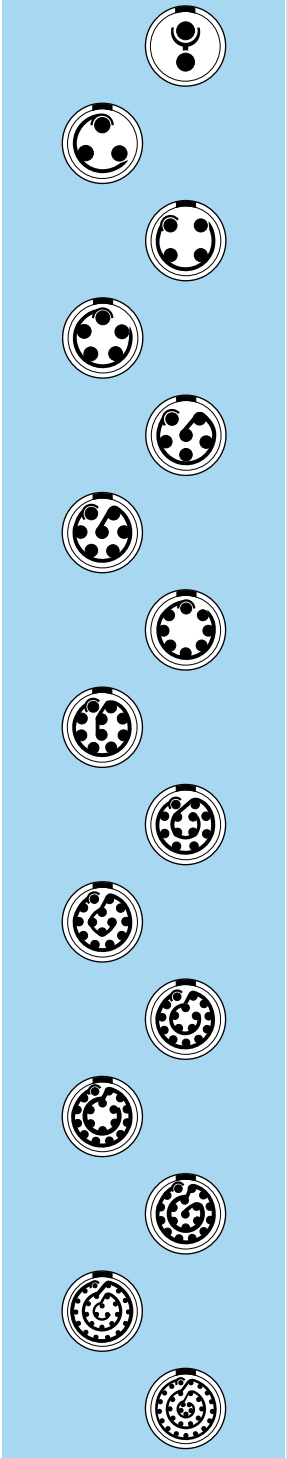
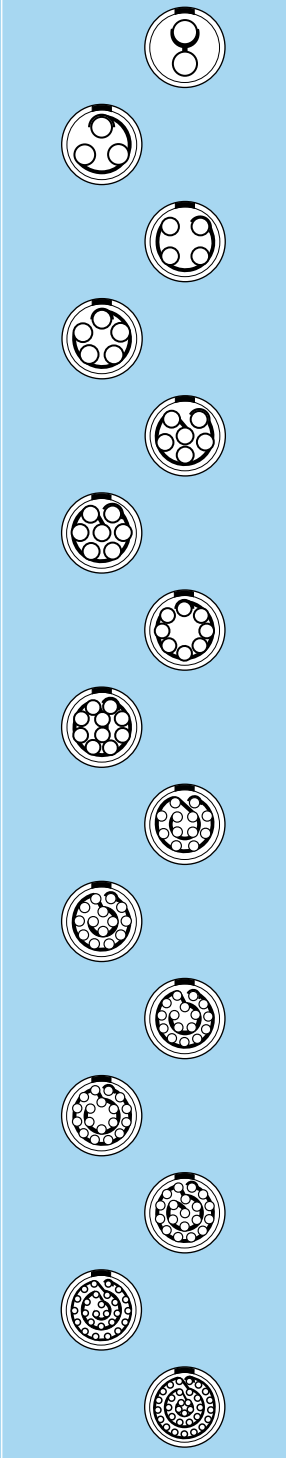
Multipole

	Male solder contacts	Female solder contacts	Male crimp contacts	Female crimp contacts	Reference	Number of contacts	ø A (mm)	Contact type: Solder	Contact type: Crimp	Contact type: Print (straight)	Contact type: Print (elbow)	Solder contact: Test voltage (kV rms)[1] Contact-contact	Solder contact: Test voltage (kV rms)[1] Contact-shell	Crimp contact: Test voltage (kV rms)[1] Contact-contact	Crimp contact: Test voltage (kV rms)[1] Contact-shell	Rated current (A)[1]
00					302	2	0.5	●	●	●	○	1.00	0.95	1.15	1.20	5.0
					303	3	0.5	●	●	●	○	0.80	0.95	1.35	1.10	3.0
					304	4	0.5	●	●	●	○	0.80	0.65	1.05	1.05	2.0
0B					302	2	0.9	●	●	●	●	1.30	1.05	1.45	1.20	10.0[2]
					303	3	0.9	●	●	●	●	1.20	0.90	1.70	1.60	8.0[2]
					304	4	0.7	●	●	●	●	0.85	0.70	1.35	1.10	7.0[2]
					305	5	0.7	●	●	●	●	1.00	0.70	1.25	1.20	6.5[2]
					306	6	0.5	●	●	●	●	0.85	0.65	1.40	1.20	2.5
					307	7	0.5	●	●	●	●	0.80	0.70	1.40	1.20	2.5
					309	9	0.5	●	●	○	○	0.60	0.50	1.00	0.85	2.0
1B					302	2	1.3	●	●	●	●	1.50	1.35	1.70	1.45	15.0[3]
					303	3	1.3	●	●	●	●	1.30	1.55	1.60	1.85	12.0
					304	4	0.9	●	●	●	●	1.35	1.45	1.70	1.80	10.0[2]
					305	5	0.9	●	●	●	●	1.25	1.15	1.30	1.55	9.0[2]
					306	6	0.7	●	●	●	●	1.05	1.20	1.35	1.45	7.0[2]
					307	7	0.7	●	●	●	●	0.95	1.05	1.45	1.45	7.0[2]
					308	8	0.7	●	●	●	●	0.95	1.15	1.30	1.30	5.0
					310	10	0.5	●	●	●	●	0.90	1.50	1.20	1.80	2.5
					314	14	0.5	●	●	●	●	0.80	1.20	0.95	1.60	2.0
					316	16	0.5	●	●	●	○	0.80	1.25	0.95	1.60	1.5

● First choice alternative ○ Special order alternative

Note: [1] **see calculation method, caution and suggested standard.**
[2] rated current = 6A for socket with elbow (90°) contact for printed circuit.
[3] rated current = 12A for socket with elbow (90°) contact for printed circuit.

Multipole

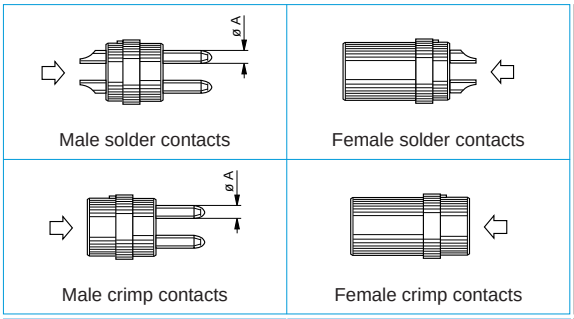
	Male solder contacts	Female solder contacts	Reference	Number of contacts	ø A (mm)	Contact type: Solder	Contact type: Crimp	Contact type: Print (straight)	Contact type: Print (elbow)	Solder contact: Test voltage (kV rms)[1] Contact-contact	Solder contact: Test voltage (kV rms)[1] Contact-shell	Crimp contact: Test voltage (kV rms)[1] Contact-contact	Crimp contact: Test voltage (kV rms)[1] Contact-shell	Rated current (A)[1]
	Male crimp contacts	Female crimp contacts												
2B			302	2	2.0	●	●	●	○	2.10	1.75	2.85	2.70	30.0[3]
			303	3	1.6	●	●	●	●	2.40	1.85	1.90	1.90	17.0[3]
			304	4	1.3	●	●	●	●	1.85	1.85	2.20	2.20	15.0[3]
			305	5	1.3	●	●	●	●	1.75	1.60	2.15	2.15	14.0[3]
			306	6	1.3	●	●	●	●	1.35	1.45	2.00	2.35	12.0
			307	7	1.3	●	●	●	●	1.75	1.60	1.95	2.15	11.0
			308	8	0.9	●	●	●	●	1.50	1.25	1.95	1.95	10.0[2]
			310	10	0.9	●	●	●	●	1.45	1.30	1.80	2.10	8.0[2]
			312	12	0.7	●	●	●	●	1.25	1.35	1.65	2.00	7.0[2]
			314	14	0.7	●	●	●	●	1.15	1.35	1.55	1.95	6.5[2]
			316	16	0.7	●	●	●	●	0.95	1.25	1.55	1.75	6.0
			318	18	0.7	●	●	●	●	0.85	1.20	1.45	2.10	5.5
			319	19	0.7	●	●	●	●	0.95	1.25	1.55	1.65	5.0
			326	26	0.5	●	●	○	–	0.95	1.30	1.20	1.80	2.0
			332	32	0.5	●	●	○	–	0.80	1.2	0.95	1.60	1.5

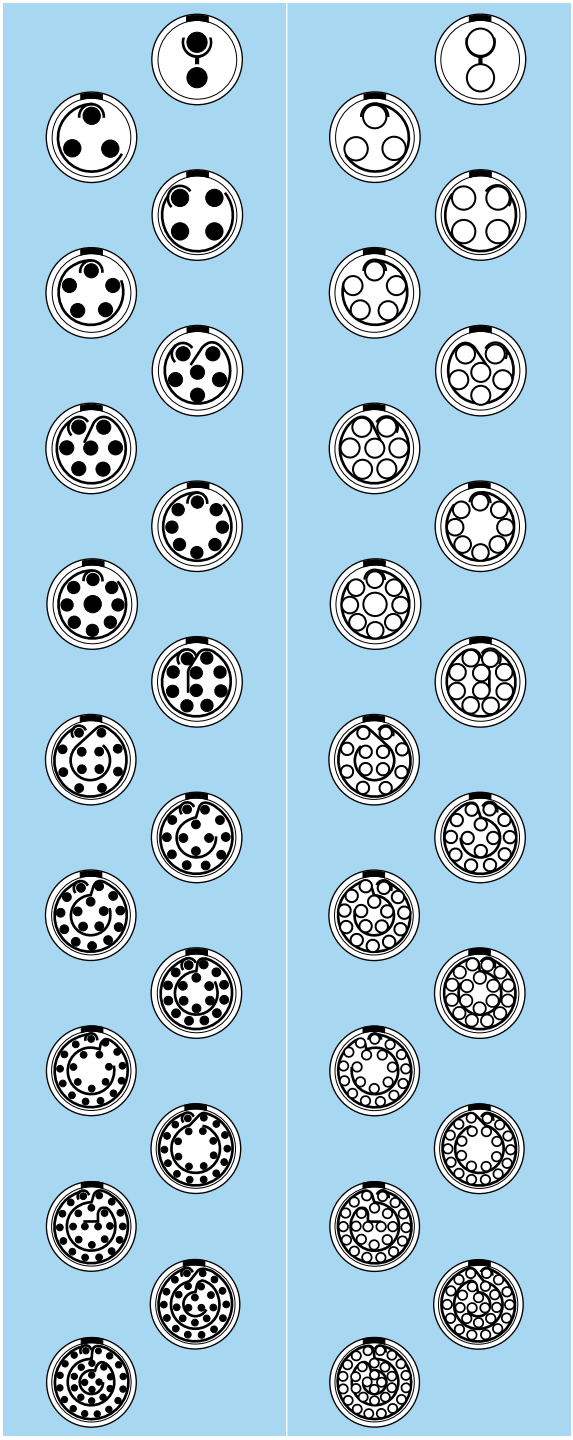
● First choice alternative ○ Special order alternative

Note: [1] **see calculation method, caution and suggested standard.**
[2] rated current = 6A for socket with elbow (90°) contact for printed circuit.
[3] rated current = 12A for socket with elbow (90°) contact for printed circuit.

Multipole

3B





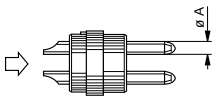
Reference	Number of contacts	ø A (mm)	Contact type: Solder	Contact type: Crimp	Contact type: Print (straight)	Contact type: Print (elbow)	Solder contact: Test voltage (kV rms)[1] Contact-contact	Solder contact: Test voltage (kV rms)[1] Contact-shell	Crimp contact: Test voltage (kV rms)[1] Contact-contact	Crimp contact: Test voltage (kV rms)[1] Contact-shell	Rated current (A)[1]
302	2	3.0	●	●	○	–	2.10	1.55	2.30	1.80	50.0
303	3	2.0	●	●	●	–	1.90	1.50	3.20	2.65	25.0
304	4	2.0	●	●	●	–	1.45	1.25	2.50	2.20	19.0
305	5	1.6	●	●	○	–	1.90	1.25	2.40	1.75	19.0
306	6	1.6	●	●	○	–	1.60	1.15	1.90	1.80	17.0
307	7	1.6	●	●	○	–	1.70	1.25	2.00	2.05	15.0
308	8	1.3	●	●	●	○	1.65	1.15	1.85	1.75	13.0
309	8 1	1.3 2.0	●	●	●	–	1.35 1.35	1.05 1.05	1.10 1.10	1.05 1.05	6.0 15.0
310	10	1.3	●	●	●	○	1.25	0.90	1.50	1.80	12.0
312	12	0.9	●	●	●	○	1.45	1.00	1.65	1.85	9.0
314	14	0.9	●	●	●	●	1.20	1.20	1.80	1.65	9.0[2]
316	16	0.9	●	●	●	●	1.20	0.85	1.80	1.50	8.0
318	18	0.9	●	●	●	●	1.20	1.05	1.85	1.60	7.0
320	20	0.7	●	●	●	●	1.00	0.90	1.35	1.55	6.0
322	22	0.7	●	●	●	○	1.00	0.90	1.70	1.45	5.5
324	24	0.7	●	●	●	●	0.95	0.80	1.35	1.35	4.0
326	26	0.7	●	●	●	○	0.95	0.70	1.50	1.30	4.0
330	30	0.7	●	●	●	●	0.80	0.70	1.35	1.20	3.5

● First choice alternative ○ Special order alternative

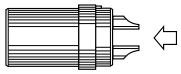
Note: [1] **see calculation method, caution and suggested standard.**
[2] rated current = 6A for socket with elbow (90°) contact for printed circuit.

Multipole

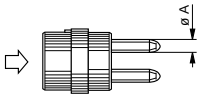
4B



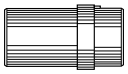
Male solder contacts



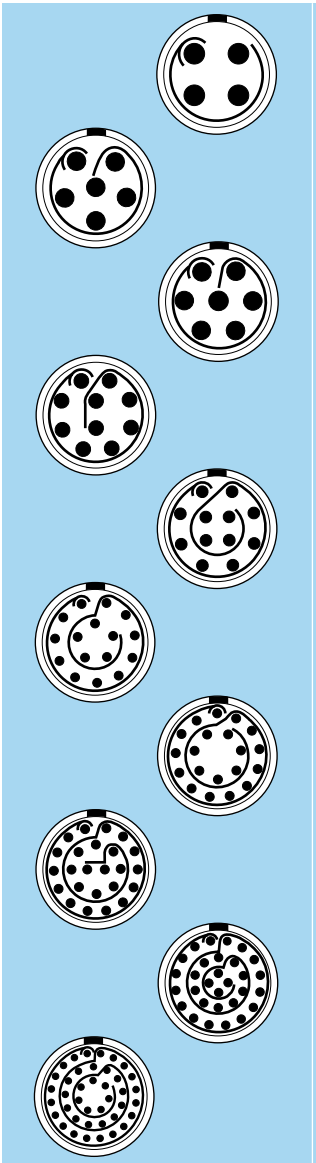
Female solder contacts

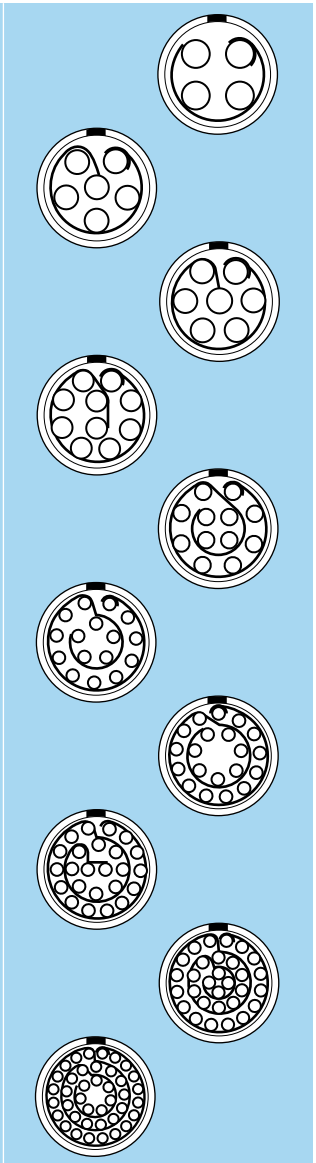


Male crimp contacts



Female crimp contacts

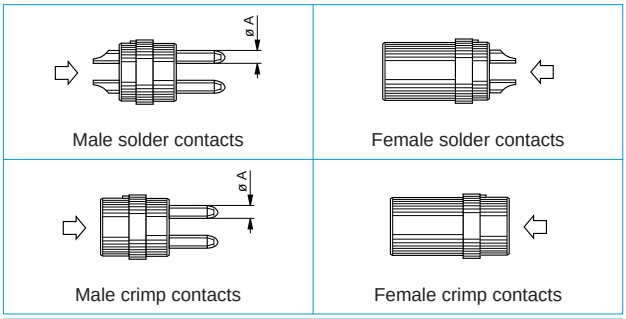




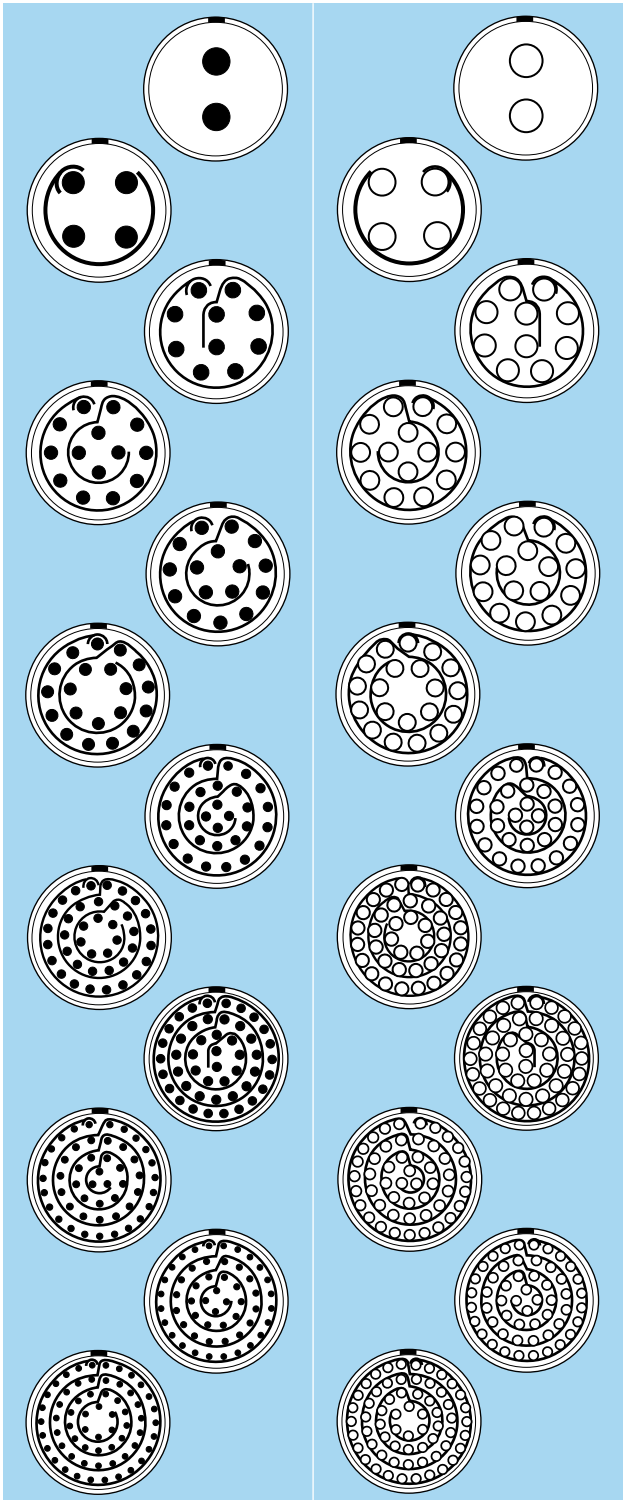
Reference	Number of contacts	ø A (mm)	Contact type			Solder contact		Crimp contact		Rated current (A)[1]
			Solder	Crimp	Print (straight)	Test voltage (kV rms)[1] Contact-contact	Test voltage (kV rms)[1] Contact-shell	Test voltage (kV rms)[1] Contact-contact	Test voltage (kV rms)[1] Contact-shell	
304	4	3.0	●	●	○	2.10	1.50	1.80	1.20	30.0
306	6	2.0	●	●	○	2.00	1.75	2.75	2.40	24.0
307	7	2.0	●	●	○	2.00	1.80	1.50	1.35	20.0
310	10	1.6	●	●	○	1.85	1.30	1.90	1.95	17.0
312	12	1.3	●	●	○	1.45	1.60	1.90	1.85	12.0
316	16	0.9	●	●	●	1.35	1.50	2.30	2.10	10.0
320	20	0.9	●	●	●	1.35	1.00	1.05	0.95	8.0
324	24	0.9	●	●	●	1.20	1.45	1.80	2.05	7.0
330	30	0.9	●	●	●	0.95	0.85	1.75	1.45	5.0
340	40	0.7	●	●	●	0.95	1.00	1.35	1.30	2.0

● First choice alternative ○ Special order alternative **Note: [1] see calculation method, caution and suggested standard.**

Multipole



5B



Reference	Number of contacts	ø A (mm)	Contact type			Solder contact		Crimp contact		Rated current (A)[1]
			Solder	Crimp	Print (straight)	Test voltage (kV rms)[1] Contact-contact	Test voltage (kV rms)[1] Contact-shell	Test voltage (kV rms)[1] Contact-contact	Test voltage (kV rms)[1] Contact-shell	
302	2	6.0	●	–	–	3.60	2.95	–	–	50.0
304	4	4.0	●	●	○	2.95	2.65	3.20	2.40	35.0
310	10	3.0	●	●	○	2.35	2.30	2.65	3.20	20.0
314	14	2.0	●	●	○	2.35	2.00	2.85	2.95	18.0
316	16	2.0	●	●	○	1.85	1.95	2.45	3.05	12.0
320	20	1.6	●	●	○	1.90	1.70	2.20	2.40	10.0
330	30	1.3	●	●	○	1.45	1.60	2.05	2.45	8.0
340	40	1.3	●	●	○	1.30	1.45	2.00	1.95	7.0
348	48	1.3	●	●	○	1.20	1.10	2.00	1.55	6.0
350	50	0.9	●	●	●	1.30	1.60	1.20	1.45	6.0
354	54	0.9	●	●	●	1.15	1.55	2.00	2.10	5.0
364	64	0.9	●	●	●	1.30	1.55	1.35	1.85	3.0

● First choice alternative ○ Special order alternative **Note: [1] see calculation method, caution and suggested standard.**

Housings

Ref.	Material	Surface treatment		Note
		Outer shell and collet nut	Latch sleeve and earthing crown	
C	Brass	chrome	nickel	●
N	Brass	nickel	nickel	○
K	Brass	black chrome	nickel	●
S	Stainless steel	without treatment	nickel-plated brass	●
T	Stainless steel	without treatment	stainless steel	○
U	Stainless steel[1)]	without treatment	stainless steel	○
L	Aluminium alloy[2)]	anodized	nickel-plated brass	○
H	PPS[3)]/brass	without treat./Ni	nickel-plated brass	●
G	PEEK[4)]	without treatment	nickel-plated brass	●
P	PA.6[5)]	without treatment	nickel-plated brass	●
P	PSU[6)]	without treatment	nickel-plated brass	●
R	PPSU[7)]	without treatment	nickel-plated brass	●
X	Avional[8)]	nickel	nickel-plated brass	●

Note:
1) the other metallic parts are in stainless steel.
2) the «variant» position of the reference is used to specify the anodized colour.
3) only available for elbow (90°) sockets for printed circuit of the B and S series.
4) only available for FGG and ENG models of the B series.
5) only for CFF and CRG bridge plugs.
6) only available for ENY and FGY models of the B series. For the colour, see the «variant» position.
7) only available for ENY and FGY models of the B series.
8) anthracite colour.

● First choice alternative ○ Special order alternative

Insulators

Ref.	Material	Note
L	PEEK	1)
Y	PEEK	2)

Note:
1) for solder or print contacts.
2) only for crimp contacts. For the type 3B.309; 4B.304; 4B.307; 4B.320; 5B.304 and 5B.350 the reference shall be «L» instead of «Y».

Contacts

Contacts for plugs, free or fixed sockets

Ref.	Contact type
A	Male solder
C	Male crimp (fig. 1)[1)]
B	Male crimp (fig. 2)[1)]
G	Male crimp (fig. 2)[1)]
L	Female solder

Ref.	Contact type
M	Female crimp (fig. 1)[1)]
P	Female crimp (fig. 2)[1)]
U	Female crimp (fig. 2)[1)]
N	Female straight print
V	Female elbow print

Note: [1)] there are two forms of crimp barrels. Please consult adjacent table for contact selection.

Contacts for couplers, plug with socket and bridge plug

Ref.	Contact type
A	Male - Female
C	Male - Male
E	Male - Male - Female

Ref.	Contact type
F	Female - Female - Male
L	Female - Male

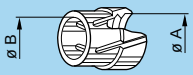
Note: the first contact type mentioned is always the one at the flange end.

Dimension of crimp barrels

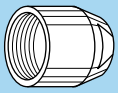
Contact			Ref. contact type		Conductor			
ø A (mm)	ø C (mm)	Form per fig.	Male	Female	AWG min.	AWG max.	Section (mm²) min.	Section (mm²) max.
0.5	0.45	1	C	M	32	28	0.035	0.09
0.7	0.80	1	C	M	26	22	0.140	0.34
	0.45	2	B	P	32	28	0.035	0.09
0.9	1.10	1	C	M	24	20	0.250	0.50
	0.80	2	B	P	26	22	0.140	0.34
	0.45	2	G	U	32	28	0.035	0.09
1.3	1.40	1	C	M	20	18	0.500	1.00
	1.10	2	B	P	24	20	0.250	0.50
	0.80	2	G	U	26	22	0.140	0.34
1.6	1.90	1	C	M	18	14	1.000	1.50
	1.40	2	B	P	22	18	0.340	1.00
2.0	2.40	1	C	M	16	12	1.500	2.50
	1.90	2	B	P	18	14	1.000	1.50
3.0	2.90	1	C	M	14	10	2.500	4.00
4.0	4.00	1	C	M	12	10	4.000	6.00

Collets

D and M type collets





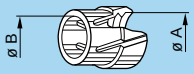


	Reference		Collet ø		Cable ø		Part number of the collet 1)	Part number of the reducer 2)	Part number of the reducing cone 2)	Part number of the collet nut
	Type	ø	ø A	ø B	max.	min.				
00	D	17	1.7	–	1.6	1.1	FGG.00.717.DN	–	–	FGG.00.130.LC
	D	22	2.2	–	2.1	1.6	FGG.00.722.DN	–	–	FGG.00.130.LC
	D	27	2.7	–	2.6	2.1	FGG.00.727.DN	–	–	FGG.00.130.LC
	D	30	3.1	2.8	3.0	2.5	FGG.00.730.DN	–	–	FGG.00.130.LC
	D	35	3.5	2.8	3.4	2.9	FGG.00.735.DN	–	–	FGG.00.130.LC
0B	D	21	2.1	–	2.0	1.5	FGG.0B.721.DN	–	–	FGG.0B.130.LC
	D	31	3.1	–	3.0	2.1	FGG.0B.731.DN	–	–	FGG.0B.130.LC
	D	42	4.2	–	4.0	3.1	FGG.0B.742.DN	–	–	FGG.0B.130.LC
	D	52	5.2	4.7	5.0	4.1	FGG.0B.752.DN	–	–	FGG.0B.130.LC
	D	56	5.6	4.7	5.5	5.1	FGG.0B.756.DN 3)	–	–	FGG.0B.132.LC
1B	M	27	2.7	–	2.6	2.2	FFC.00.727.CN	FGG.1B.138.LN	FGG.1B.158.LN	FGG.1B.130.LC
	M	31	3.1	–	3.0	2.6	FFC.00.731.CN	FGG.1B.138.LN	FGG.1B.158.LN	FGG.1B.130.LC
	D	42	4.2	–	4.0	3.1	FGG.1B.742.DN	–	–	FGG.1B.130.LC
	D	52	5.2	–	5.0	4.1	FGG.1B.752.DN	–	–	FGG.1B.130.LC
	D	62	6.2	–	6.0	5.1	FGG.1B.762.DN	–	–	FGG.1B.130.LC
	D	72	7.2	6.7	7.0	6.1	FGG.1B.772.DN	–	–	FGG.1B.130.LC
	D	76	7.6	6.7	7.5	7.1	FGG.1B.776.DN 3)	–	–	FGG.1B.132.LC
2B	M	21	2.1	–	2.0	1.5	FGG.0B.721.DN	FGG.2B.138.LN	FGG.2B.158.LN	FGG.2B.130.LC
	M	31	3.1	–	3.0	2.1	FGG.0B.731.DN	FGG.2B.138.LN	FGG.2B.158.LN	FGG.2B.130.LC
	M	42	4.2	–	4.0	3.1	FGG.0B.742.DN	FGG.2B.138.LN	FGG.2B.158.LN	FGG.2B.130.LC
	D	52	5.2	–	5.0	4.1	FGG.2B.752.DN	–	–	FGG.2B.130.LC
	D	62	6.2	–	6.0	5.1	FGG.2B.762.DN	–	–	FGG.2B.130.LC
	D	72	7.2	–	7.0	6.1	FGG.2B.772.DN	–	–	FGG.2B.130.LC
	D	82	8.2	–	8.0	7.1	FGG.2B.782.DN	–	–	FGG.2B.130.LC
	D	92	9.2	8.6	9.0	8.1	FGG.2B.792.DN	–	–	FGG.2B.130.LC
	D	99	9.9	8.6	9.7	9.1	FGG.2B.799.DN 3)	–	–	FGG.2B.132.LC
3B	M	52	5.2	–	5.0	4.1	FGG.1B.752.DN	FGG.3B.138.LN	FGG.3B.158.LN	FGG.3B.130.LC
	D	62	6.2	–	6.0	5.1	FGG.3B.762.DN	–	–	FGG.3B.130.LC
	D	72	7.2	–	7.0	6.1	FGG.3B.772.DN	–	–	FGG.3B.130.LC
	D	82	8.2	–	8.0	7.1	FGG.3B.782.DN	–	–	FGG.3B.130.LC
	D	92	9.2	–	9.0	8.1	FGG.3B.792.DN	–	–	FGG.3B.130.LC
	D	10	10.2	–	10.0	9.1	FGG.3B.710.DN	–	–	FGG.3B.130.LC
	D	11	11.2	10.2	11.0	10.1	FGG.3B.711.DN	–	–	FGG.3B.130.LC
	D	12	11.9	10.2	11.7	11.1	FGG.3B.712.DN 3)	–	–	FGG.3B.132.LC

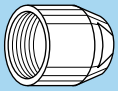
Note:
1) for ordering collets separately.
2) for ordering an M type collet, a reducer and its reducing cone should also be ordered.
3) these collets cannot be used for connector models with nut for fitting a bend relief.

All dimensions are in millimetres.

D and M type collets



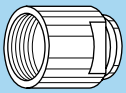
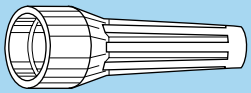




	Reference		Collet ø		Cable ø		Part number of the collet [1]	Part number of the reducer [2]	Part number of the reducing cone [2]	Part number of the collet nut
	Type	ø	ø A	ø B	max.	min.				
4B	M	62	6.2	–	6.0	5.1	FGG.2B.762.DN	FGG.4B.138.LN	FGG.4B.158.LN	FGG.4B.130.LC
	M	72	7.2	–	7.0	6.1	FGG.2B.772.DN	FGG.4B.138.LN	FGG.4B.158.LN	FGG.4B.130.LC
	M	82	8.2	–	8.0	7.1	FGG.2B.782.DN	FGG.4B.138.LN	FGG.4B.158.LN	FGG.4B.130.LC
	M	92	9.2	8.6	9.0	8.1	FGG.2B.792.DN	FGG.4B.138.LN	FGG.4B.158.LN	FGG.4B.130.LC
	D	10	10.8	–	10.5	9.1	FGG.4B.710.DN	–	–	FGG.4B.130.LC
	D	12	12.3	–	12.0	10.6	FGG.4B.712.DN	–	–	FGG.4B.130.LC
	D	13	13.8	12.5	13.5	12.1	FGG.4B.713.DN	–	–	FGG.4B.130.LC
	D	15	15.3	12.5	15.0	13.6	FGG.4B.715.DN	–	–	FGG.4B.130.LC
	D	16	16.3	12.5	16.0	15.1	FGG.4B.716.DN [3]	–	–	FGG.4B.132.LC
5B	D	11	11.8	–	11.5	9.6	FGG.5B.711.DN	–	–	FGG.5B.130.LC
	D	13	13.8	–	13.5	11.6	FGG.5B.713.DN	–	–	FGG.5B.130.LC
	D	15	15.8	–	15.5	13.6	FGG.5B.715.DN	–	–	FGG.5B.130.LC
	D	17	17.8	–	17.5	15.6	FGG.5B.717.DN [3]	–	–	FGG.5B.130.LC
	D	19	19.8	–	19.5	17.6	FGG.5B.719.DN [3]	–	–	FGG.5B.130.LC
	D	21	21.8	–	21.5	19.6	FGG.5B.721.DN [3]	–	–	FGG.5B.130.LC
	D	23	23.8	21.8	23.5	21.6	FGG.5B.723.DN [3]	–	–	FGG.5B.130.LC
	D	25	25.3	21.8	25.0	23.6	FGG.5B.725.DN [3]	–	–	FGG.5B.132.LC

Note:
[1] for ordering collet separately.
[2] for ordering an M type collet, a reducer and its reducing cone should also be ordered.
[3] these collets cannot be used for connector models with collet nut for fitting a bend relief.

Bend relief collet nut and bend relief

	Reference		Part number of the collet nut	Bend relief to be used [1]
	Type	ø		
00	D	17 to 35	FFM.00.131.LC	GMA.00.●●●.●● GMB.00.●●●.●●
0B	D	21 to 52	FFM.0B.130.LC	GMA.0B.●●●.●●
1B	M	27 and 31	FFM.1B.130.LC	GMA.1B.●●●.●●
	D	42 to 72	FFM.1B.130.LC	GMA.1B.●●●.●●
2B	M	21 and 31	FFM.2B.132.LC	GMA.0B.●●●.●●
	M	42	FFM.2B.130.LC	GMA.2B.●●●.●●
	D	52 to 92	FFM.2B.130.LC	GMA.2B.●●●.●●
3B	M	52	FFM.3B.131.LC	GMA.1B.●●●.●●
	D	62 to 11	FFM.3B.130.LC	GMA.3B.●●●.●●
4B	M	62 and 72	FFM.4B.132.LC	GMA.2B.●●●.●●
	M	82 and 92	FFM.4B.130.LC	GMA.4B.●●●.●●
	D	10 to 15	FFM.4B.130.LC	GMA.4B.●●●.●●
5B	D	11 to 15	FFM.5B.130.LC	GMA.4B.●●●.●●

Note: [1] the bend relief is to be ordered separately.

All dimensions are in millimetres.

Variant

Colour of the bridge plug shells and connectors shell made of plastic material

The «variant» position of the reference is used to specify the colour of the shell according to the table below.

Ref.	Colour	Ref.	Colour	Ref.	Colour
A	blue	J	yellow	R	red
B[1)]	white	M	brown	S	orange
G[1)]	grey	N	black	V	green

Note: [1)] PSU connector shells are only available in white or grey colours. The variant position is also used to indicate epoxy filling of watertight and vacuumtight socket models, the reference P is used.

Anodized colour

The «variant» position of the reference is used to specify the anodized colour according to the table below.

Part number for connector with standard collet nut

Ref.	Anodized colour	Ref.	Anodized colour
A	blue	R	red
J	yellow	T	natural
N	black	V	green

Part number for connector with collet nut for bend relief

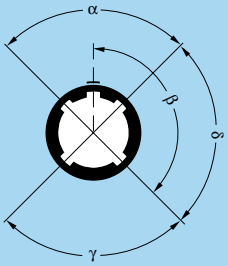
Ref.	Anodized colour
L	black
X	natural

Note: other anodizing colours are available for connectors with collet nut for bend relief. Please consult us.

Alignment Key and Polarized Keying System

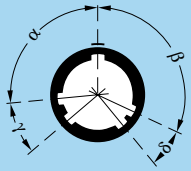
B series connector model part numbers are composed of three letters. The LAST LETTER indicates the key position and the contact type (male or female).
For example, straight plugs with «G» key or A, B, C, D, E, F, R or Y keys, are fitted with male contacts, whereas with J, K, L, M keys, plugs are fitted with female contacts.
Sockets with «G» key or A, B, C, D, E, F, R or Y keys, are fitted with female contacts; whereas with J, K, L, M keys, sockets are fitted with male contacts.

Front view of a socket



Model	Nb of keys	Angles	Series 00	Series 0B	Series 1B	Angles	Series 2B	Series 3B	Series 4B	Series 5B	Contact type Plug	Contact type Socket	Contact type Coupler 1)	Note
●●G	1		0°	0°	0°		0°	0°	0°	0°	male	female	male-female	●
●●A	2	α	30°	30°	30°	α	30°	30°	30°	30°	male	female	male-female	●
●●B	2	α	60°	60°	60°	α	45°	45°	45°	45°	male	female	male-female	●
●●C	2	α	–	90°	90°	α	60°	60°	60°	60°	male	female	male-female	●
●●D	2	β	–	135°	135°	γ	95°	95°	95°	95°	male	female	male-female	○
●●E	2	β	–	145°	145°	β	120°	120°	120°	120°	male	female	male-female	○
●●F	2	β	–	155°	155°	β	145°	145°	145°	145°	male	female	male-female	○
●●J	2	γ	45°	45°	45°	α	37.5°	37.5°	37.5°	37.5°	female	male	female-male	●
●●K	2	γ	–	70°	70°	α	52.5°	52.5°	52.5°	52.5°	female	male	female-male	○
●●L	2	γ	–	80°	80°	γ	70°	70°	70°	70°	female	male	female-male	○
●●M	2	δ	–	110°	–	–	–	–	–	–	female	male	female-male	○
●●Y	3	–	–	–	–	β	112.5°	126°	–	–	male	female	–	●2)
		–	–	–	–	γ	100°	102°	–	–				

Front view of a socket

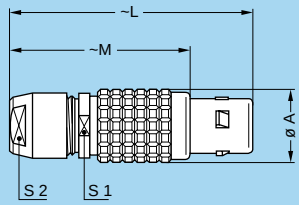


Model	Nb of keys	Angles	Series 00	Series 0B	Series 1B	Angles	Series 2B	Series 3B	Series 4B	Series 5B	Contact type Plug	Contact type Socket	Contact type Coupler 1)	Note
●●R	5	α	–	–	–	α	–	–	–	95°	male	female	male-female	●
		β	–	–	–	β	–	–	–	115°				
		γ	–	–	–	γ	–	–	–	20°				
		δ	–	–	–	δ	–	–	–	30°				

Note:
FTG, FGY, ENY models are not available with all the keys. Please consult pages corresponding to these models.
For R●● and S●● models see explanations.
1) the first contact type mentioned is always the one at the flange end.
2) only FGY and ENY models are available.

● First choice alternative ○ Special order alternative

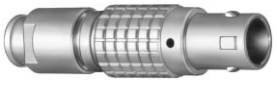
Models - Series

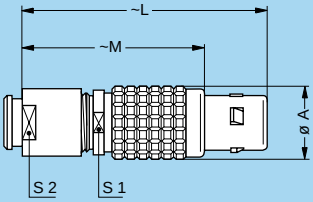


FGG Straight plug, key (G) or keys (A…M and R), cable collet

Reference		Dimensions (mm)				
Model	Series	A	L	M	S1	S2
FGG	00[1)]	6.4	28.5	20.5	5.5	5
FGG	0B	9.5	36.0	26.0	8.0	7
FGG	1B	12.0	43.0	32.0	10.0	9
FGG	2B	15.0	50.0	38.0	13.0	12
FGG	3B	18.0	58.0	43.0	15.0	14
FGG	4B	25.0	75.0	57.0	21.0	20
FGG	5B	35.0	103.0	78.0	31.0	30

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

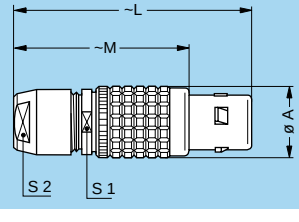




FGG Straight plug, key (G) or keys (A…M), cable collet and nut for fitting a bend relief

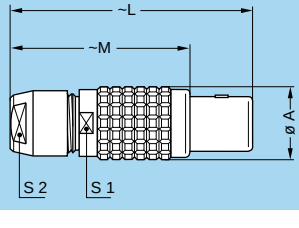
Reference		Dimensions (mm)				
Model	Series	A	L	M	S1	S2
FGG	00[1)]	6.4	27.5	18.5	5.5	5
FGG	0B	9.5	35.0	25.0	8.0	7
FGG	1B	12.0	42.0	33.0	10.0	9
FGG	2B	15.0	48.0	36.0	13.0	12
FGG	3B	18.0	56.5	41.5	15.0	15
FGG	4B	25.0	71.0	53.0	21.0	20

Note: 1) the surface design of the 00 series is different.
The bend relief must be ordered separately.



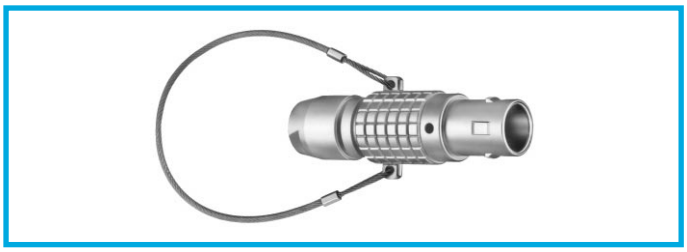
FCG Straight plug, key (G) or keys (A…L and R), cable collet and safety locking ring

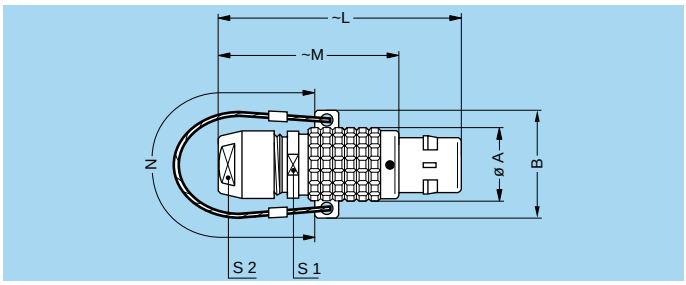
Reference		Dimensions (mm)				
Model	Series	A	L	M	S1	S2
FCG	1B	12	43	32	10	9
FCG	4B	25	75	57	21	20
FCG	5B	35	103	78	31	30



FFG Straight plug, non-latching, key (G) or keys (A…M), cable collet

Reference		Dimensions (mm)				
Model	Series	A	L	M	S1	S2
FFG	0B	9.5	36	26	8	7
FFG	1B	12.0	43	32	10	9
FFG	2B	15.0	49	37	13	12
FFG	3B	18.0	58	43	15	14
FFG	4B	25.0	75	57	21	20

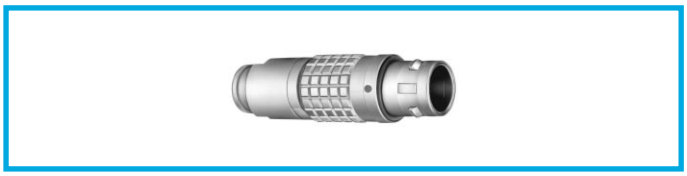


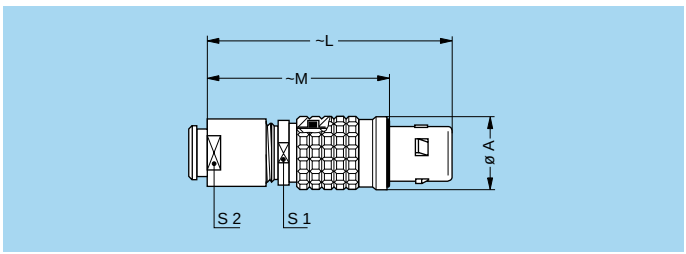


FNG Straight plug, key (G) or keys (A…M and R), cable collet and lanyard release

Reference		Dimensions (mm)						
Model	Series	A	B	L	M	N	S1	S2
FNG	0B	9.5	19.4	28.5	20.5	140	8	7
FNG	1B	12.0	19.4	43.0	32.0	140	10	9
FNG	2B	15.0	22.6	49.0	37.0	160	13	12
FNG	3B	18.0	25.6	58.0	43.0	190	15	14
FNG	4B	25.0	35.2	75.0	57.0	230	21	20
FNG	5B	35.0	47.0	103.0	78.0	300	31	30

Note: cable material: stainless steel with PVC sheath.
The outer shell of the FNG.0B model is similar to the FMG.0B model.

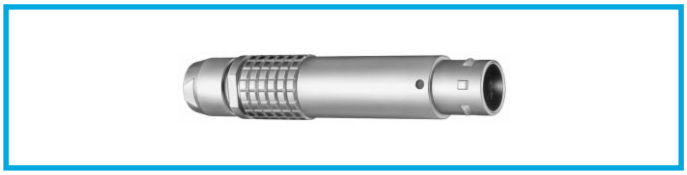


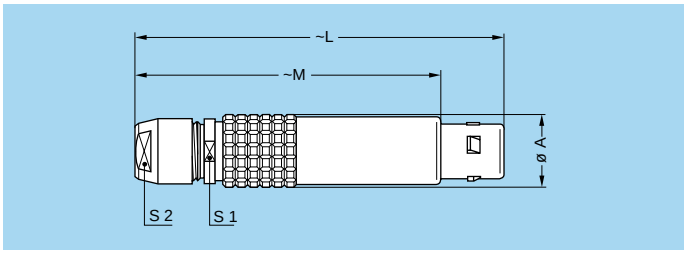


FEG Straight plug, key (G) or keys (A…L), cable collet, front seal and nut for fitting a bend relief (IP 54 protection index when mated)

Reference		Dimensions (mm)				
Model	Series	A	L	M	S1	S2
FEG	1B	13.5	42.0	33.0	10	9
FEG	2B	16.5	48.0	36.0	13	12
FEG	3B	19.0	56.5	41.5	15	15

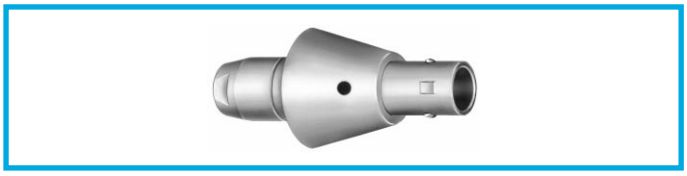
Note: the bend relief must be ordered separately.

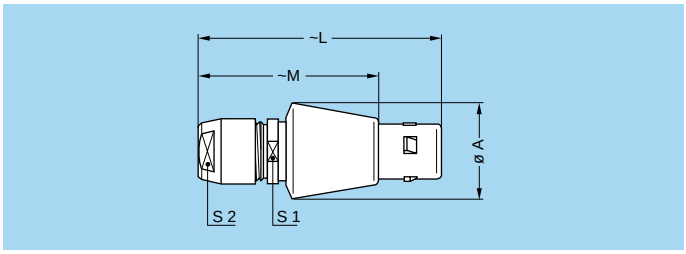




FDG Straight plug, long version, key (G) or keys (A…L), cable collet

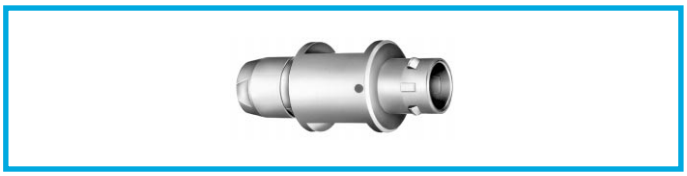
Reference		Dimensions (mm)				
Model	Series	A	L	M	S1	S2
FDG	1B	12	68	57	10	9
FDG	2B	15	79	67	13	12

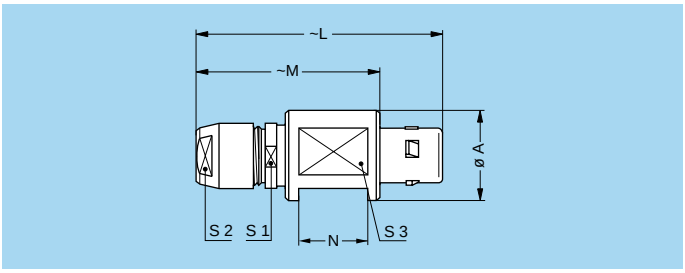




FYG Straight plug, conical shell, key (G) or keys (A…M), cable collet

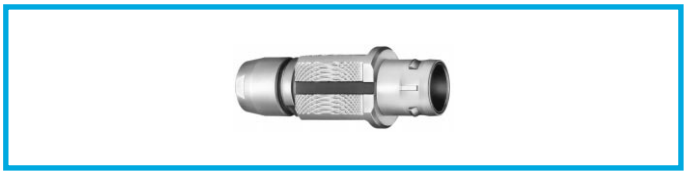
Reference		Dimensions (mm)				
Model	Series	A	L	M	S1	S2
FYG	0B	15.5	36	26	8	7





FZG Straight plug for remote handling, key (G) or keys (A…L and R), cable collet

Reference		Dimensions (mm)						
Model	Series	A	L	M	N	S1	S2	S3
FZG	2B	20	49	37	15	13	12	15
FZG	3B	22	58	43	18	15	14	18
FZG	4B	30	75	57	25	21	20	25
FZG	5B	40	103	78	35	31	30	35



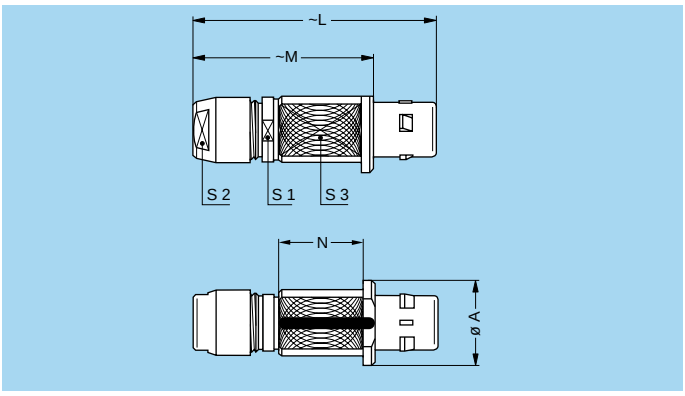
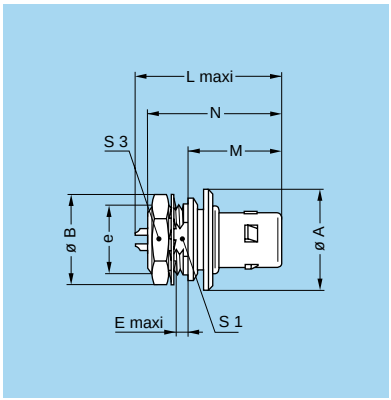


FIG Straight plug for remote handling, key (G) or keys (A…L and R), special alignment mark, knurled handling surface, cable collet

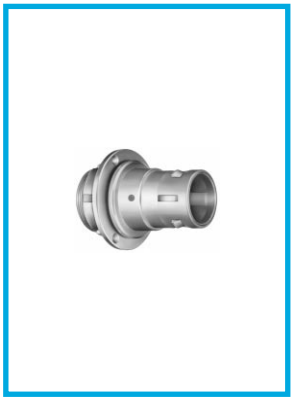
Reference		Dimensions (mm)						
Model	Series	A	L	M	N	S1	S2	S3
FIG	2B	20	49	37	17.5	13	12	15
FIG	3B	22	58	43	21.5	15	14	18
FIG	4B	30	75	57	28.5	21	20	25
FIG	5B	40	103	78	41.0	31	30	35

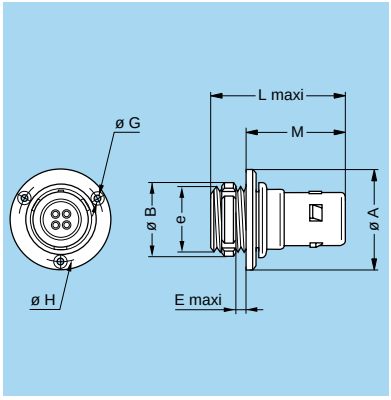


FWG Fixed plug, nut fixing, key (G) or keys (A…L)

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S3
FWG	1B	18.0	16.0	M12x1.0	3.0	24.9	17	24.8	10.5	14
FWG	2B	19.5	19.5	M15x1.0	5.2	28.6	18	27.3	13.5	17

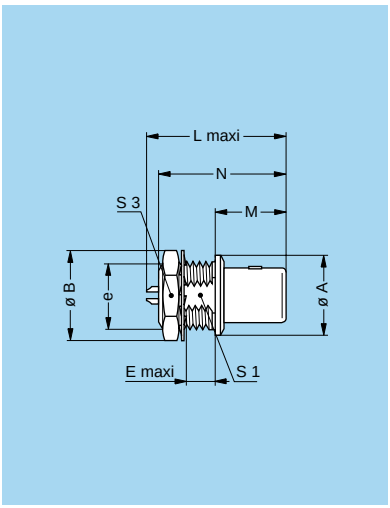
Note: [1)] maximum length with crimp contacts





FBG Fixed plug, nut fixing, round flange, key (G) or keys (A…L and R), screw fixing

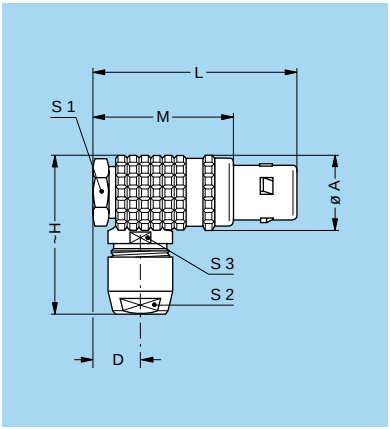
Reference		Dimensions (mm)							
Model	Series	A	B	e	E	G	H	L	M
FBG	5B	54	40	M35x1.0	9	3	47	61.5	44.5



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[1)]	S1	S3
FAG	00	8	10.3	M7x0.5	2.0	16.9	9.0	15.5	6.3	9
FAG	0B	10	12.5	M9x0.6	3.5	21.1	11.2	19.8	8.2	11
FAG	1B	14	16.0	M12x1.0	7.0	24.9	12.5	23.3	10.5	14
FAG	2B	18	19.5	M15x1.0	7.0	28.6	13.8	26.8	13.5	17
FAG	3B	22	25.2	M18x1.0	8.0	32.1	17.0	30.3	16.5	22
FAG	4B	28	32.0	M25x1.0	8.0	36.6	20.5	34.8	23.5	30
FAG	5B	40	40.0	M35x1.0	7.0	47.4	28.0	43.8	33.5	–

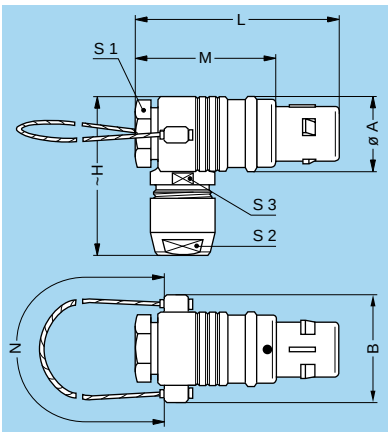
Note: 1) maximum length with crimp contacts. The 5B series is delivered without locking washer or tapered washer and with a round nut.



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

Reference		Dimensions (mm)							
Model	Series	A	D	H	L	M	S1	S2	S3
FHG	00[1)]	7.7	5.2	18	24.5	16.5	7	5	5.5
FHG	0B	11.0	6.5	23	30.0	20.0	9	7	8.0
FHG	1B	13.5	8.0	28	36.0	25.0	11	9	10.0
FHG	2B	16.5	9.0	34	41.5	29.5	14	12	13.0
FHG	3B	19.0	10.0	37	50.0	35.0	17	14	15.0
FHG	4B	26.0	15.0	52	67.0	49.0	22	20	21.0
FHG	5B	36.0	21.0	74	90.0	65.0	32	30	31.0

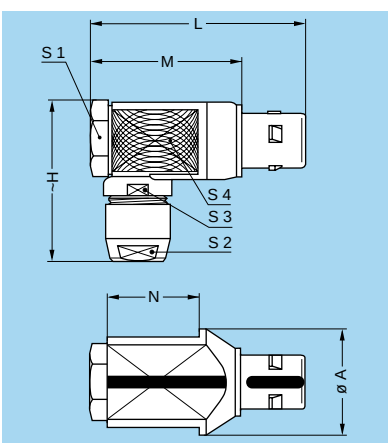
Note: 1) the surface design of the 00 series is different.



FMG Elbow (90°) plug, key (G) or keys (A…M), cable collet and lanyard release

Reference		Dimensions (mm)								
Model	Series	A	B	H	L	M	N	S1	S2	S3
FMG	0B	11	17	26	31.6	21.6	140	10	7	8

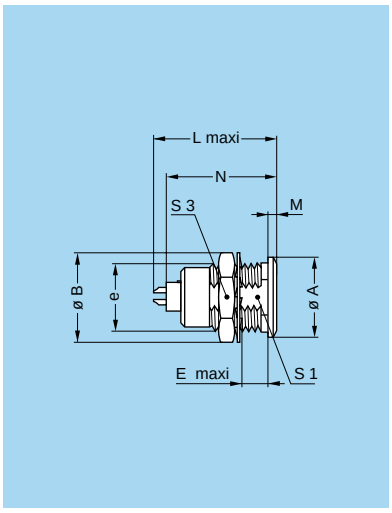
Note: cable material: stainless steel with PVC sheath



FKG Elbow (90°) plug for remote handling, key (G) or keys (A…L), special alignment mark, knurled handling surface, cable collet

Reference		Dimensions (mm)								
Model	Series	A	H	L	M	N	S1	S2	S3	S4
FKG	3B	25	37	50	35	21.0	17	14	15	21
FKG	4B	51	52	67	49	28.5	22	20	21	28

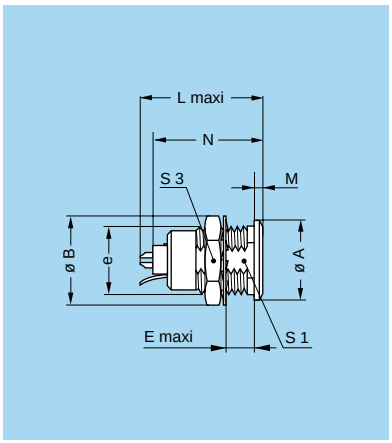
Note: dimension D is the same as for the FHG model.



EGG Fixed socket, nut fixing, key (G) or keys (A…M and R)

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S3
EGG	00	8	10.3	M7x0.5	5.5	15.5	1.0	13.7	6.3	9
EGG	0B	10	12.5	M9x0.6	7.0	20.7	1.2	19.1	8.2	11
EGG	1B	14	16.0	M12x1.0	7.5	23.0	1.5	21.1	10.5	14
EGG	2B	18	19.5	M15x1.0	8.5	26.7	1.8	24.6	13.5	17
EGG	3B	22	25.0	M18x1.0	11.5	30.7	2.0	28.1	16.5	22
EGG	4B	28	32.0	M25x1.0	12.0	35.7	2.5	32.6	23.5	30
EGG	5B	40	40.0	M35x1.0	11.0	43.5	3.0	39.6	33.5	–

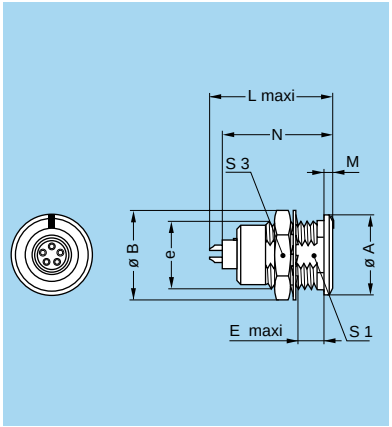
Note: 1) maximum length with crimp contacts.
The 5B series is delivered with a tapered washer and a round nut.



ENG Fixed socket with earthing tag, nut fixing, key (G) or keys (A…M)

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S3
ENG	0B	10	12.5	M9x0.6	7.0	20.7	1.2	19.1	8.2	11
ENG	1B[2)]	14	16.0	M12x1.0	7.5	23.0	1.5	21.1	10.5	14
ENG	2B	18	19.5	M15x1.0	8.5	26.7	1.8	24.6	13.5	17
ENG	3B	22	25.0	M18x1.0	11.5	30.7	2.0	28.1	16.5	22
ENG	4B	28	32.0	M25x1.0	12.0	35.7	2.5	32.6	23.5	30

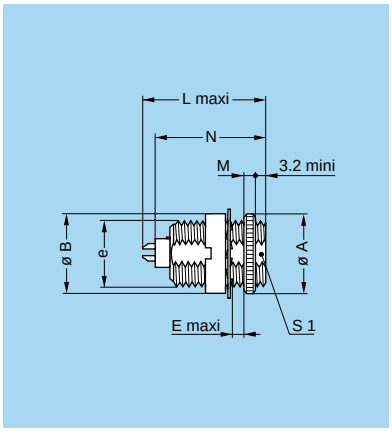
Note: 1) maximum length with crimp contacts.
2) for the 1B series the earthing tag is on the upper side.



EKG Fixed socket, nut fixing, key (G) or keys (A…L and R), special alignment mark on the front

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S3
EKG	2B	18	19.5	M15x1.0	8.5	26.7	1.8	24.6	13.5	17
EKG	3B	22	25.0	M18x1.0	11.5	30.7	2.0	28.1	16.5	22
EKG	4B	28	32.0	M25x1.0	12.0	35.7	2.5	32.6	23.5	30
EKG	5B	40	40.0	M35x1.0	11.0	43.5	3.0	39.6	33.5	–

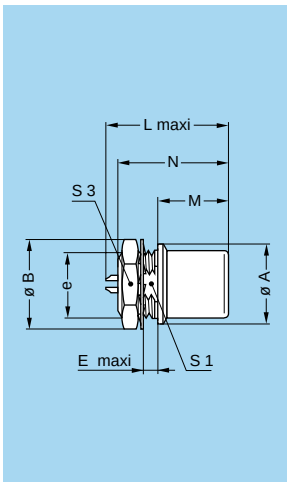
Note: 1) maximum length with crimp contacts.
The 5B series is delivered with a tapered washer and a round nut.



ESG Fixed socket with two round nuts, key (G) or keys (A…L), long threaded shell (back panel mounting)

Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	M	N[1)]	S1
ESG	00	9.5	9	M7x0.5	4.0	15.5	2	13.7	–
ESG	1B	14.0	14	M12x1.0	8.0	23.0	2	21.1	10.5

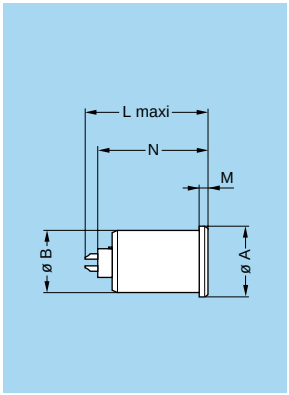
Note: 1) maximum length with crimp contacts.



EHG Fixed socket, nut fixing, key (G) or keys (A…M and R), and protruding shell

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S3
EHG	00	8.8	10.3	M7x0.5	2.0	15.5	8.5	13.7	6.3	9
EHG	0B	10.0	12.5	M9x0.6	2.5	19.5	12.5	19.1	8.2	11
EHG	1B	14.0	16.0	M12x1.0	4.2	21.7	12.0	20.8	10.5	14
EHG	2B	18.0	19.5	M15x1.0	5.2	22.7	12.5	24.3	13.5	17
EHG	3B	22.0	25.0	M18x1.0	4.2	30.7	12.5	27.8	16.5	22
EHG	5B	40.0	40.0	M35x1.0	2.5	43.5	28.5	40.3	33.5	–

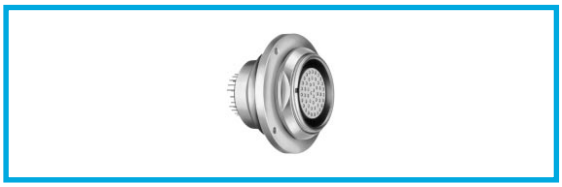
Note: 1) maximum length with crimp contacts.
The 5B series is delivered without locking washer or tapered washer and with a round nut.

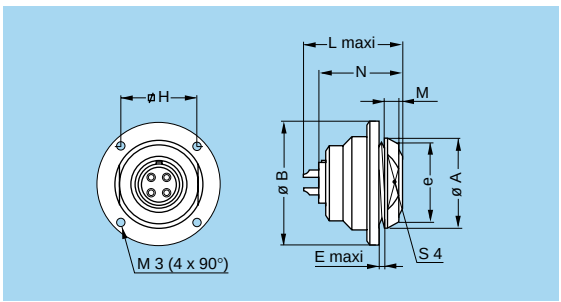


EJG Fixed socket, press or adhesive fit, key (G) or keys (A…M)

Reference		Dimensions (mm)				
Model	Series	A	B	L	M	N[1)]
EJG	0B	9.2	8.35	20.7	1.5	19.1
EJG	1B	12.5	11.20	23.0	1.5	21.1
EJG	2B	16.5	14.00	26.7	1.5	24.6

Note: 1) maximum length with crimp contacts.

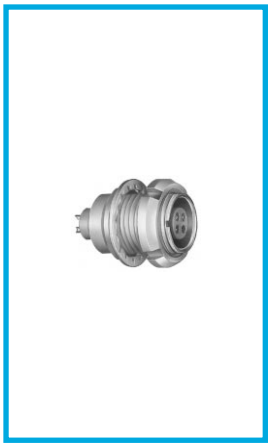


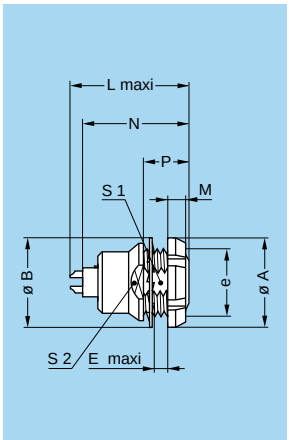


EBG Fixed socket, nut fixing, round flange, key (G) or keys (A…L and R), screw fixing (back panel mounting)

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	H	L	M	N[1)]	S4
EBG	5B	41	54	M35x1.0	4.0	34	43.5	5.0	39.6	37

Note: 1) maximum length with crimp contacts.

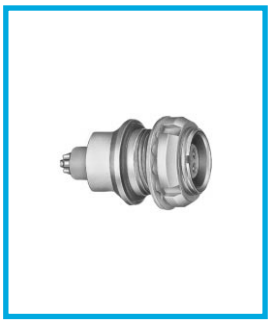


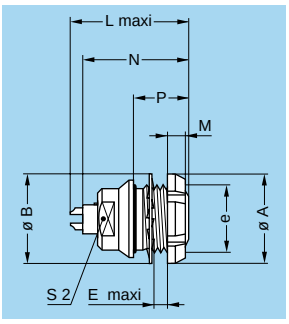


EEG Fixed socket, nut fixing, key (G) or keys (A…M and R) (back panel mounting)

Reference		Dimensions (mm)									
Model	Series	A	B	e	E	L	M	N[1)]	P	S1	S2
EEG	00	10	9.5	M7x0.5	2.3	15.5	2.5	13.7	6.0	6.3	7.5
EEG	0B	12	12.5	M9x0.6	2.4	20.7	2.5	19.1	6.3	8.2	9.0
EEG	1B	16	16.0	M12x1.0	6.0	23.0	3.5	21.1	11.0	10.5	13.0
EEG	2B	20	20.0	M15x1.0	3.0	26.7	3.5	24.6	9.0	13.5	15.0
EEG	3B	24	25.0	M18x1.0	5.0	30.7	4.5	28.1	12.0	16.5	20.0
EEG	5B	41	40.0	M35x1.0	13.5	43.5	5.0	39.6	19.5	33.5	38.0

Note: 1) maximum length with crimp contacts.
The 3B and 5B series are delivered with a conical nut.
The 5B series is delivered without locking washer or tapered washer.

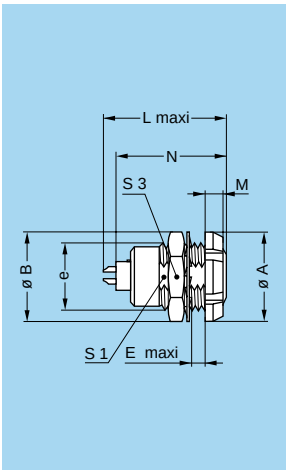




EFG Fixed socket, nut fixing, key (G) or keys (A…M), with two flats on the shell and O-ring
(back panel mounting)

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	P	S2
EFG	0B	12	12.5	M9x0.6	5.5	20.7	2.5	19.1	9	8

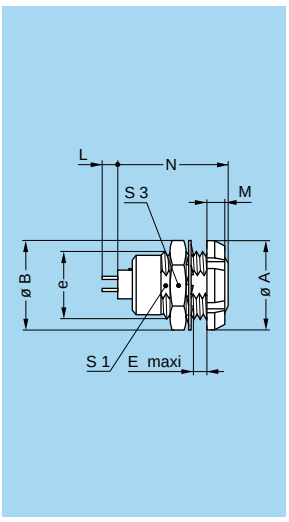
Note: [1)] maximum length with crimp contacts.



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

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S3
ECG	00	10	9.5	M7x0.5	4.3	13.7	2.5	13.7	6.3	9
ECG	0B	12	12.5	M9x0.6	5.5	20.7	2.5	19.1	8.2	11
ECG	1B	16	16.0	M12x1.0	6.0	23.0	3.5	21.1	10.5	14
ECG	2B	20	20.0	M15x1.0	6.5	26.7	3.5	24.6	13.5	17
ECG	3B	24	25.0	M18x1.0	9.0	30.7	4.5	28.1	16.5	22
ECG	4B	30	32.0	M25x1.0	10.0	35.7	4.5	32.6	23.5	30
ECG	5B	41	40.0	M35x1.0	9.0	43.5	5.0	39.6	33.5	–

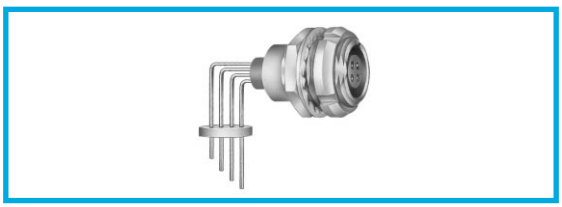
Note: [1)] maximum length with crimp contacts.
The 3B, 4B and 5B series are delivered with a conical nut.
The 5B series is delivered with a tapered washer and a round nut.

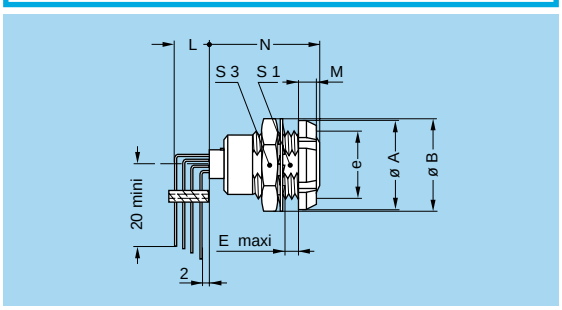


ECG Fixed socket with two nuts, key (G) or keys (A…F and R) and straight contact for printed circuit
(back panel mounting)

Reference		Dimensions (mm)							
Model	Series	A	B	e	E	M	N	S1	S3
ECG	00	10	9.5	M7x0.5	4.3	2.5	13.7	6.3	9
ECG	0B	12	12.5	M9x0.6	5.5	2.5	16.4	8.2	11
ECG	1B	16	16.0	M12x1.0	6.0	3.5	19.8	10.5	14
ECG	2B	20	20.0	M15x1.0	6.5	3.5	21.8	13.5	17
ECG	3B	24	25.0	M18x1.0	9.0	4.5	25.8	16.5	22
ECG	4B	30	32.0	M25x1.0	10.0	4.5	29.8	23.5	30
ECG	5B	41	40.0	M35x1.0	9.0	5.0	36.8	33.5	–

Note: this contact type is available for E●● socket models fitted with female contacts. Length «L» depends on the number of contacts.
The 5B series is delivered with a tapered washer and a round nut.
The 3B, 4B and 5B series are delivered with a conical nut.

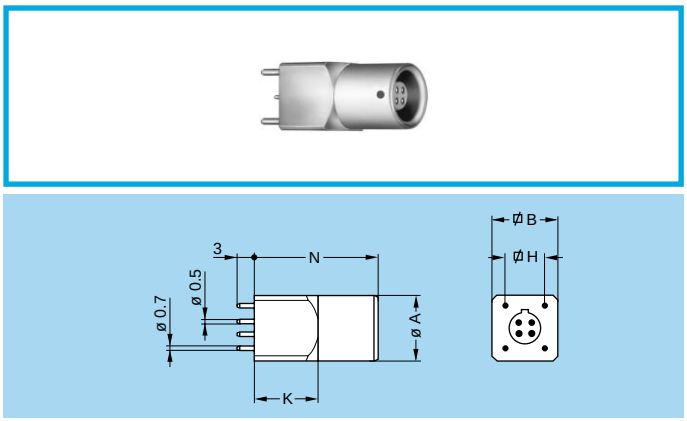




ECG Fixed socket with two nuts, key (G) or keys (A…F) with elbow (90°) contact for printed circuit
(back panel mounting)

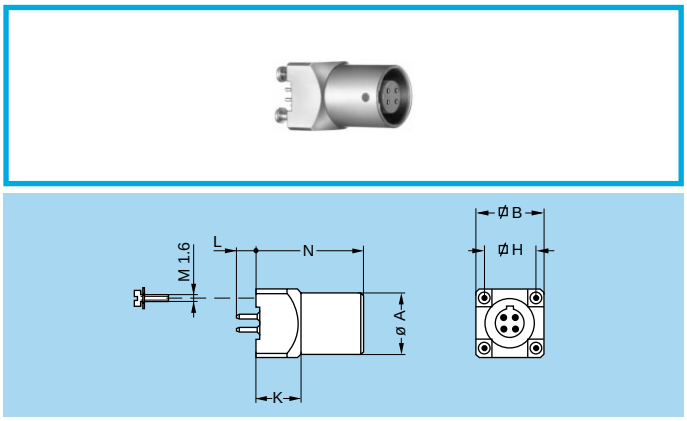
Reference		Dimensions (mm)							
Model	Series	A	B	e	E	M	N max	S1	S3
ECG	0B	12	12.5	M9x0.6	2.4	2.5	18.3	8.2	11
ECG	1B	16	16.0	M12x1.0	6.0	3.5	20.3	10.5	14
ECG	2B	20	20.0	M15x1.0	6.5	3.5	22.3	13.5	17
ECG	3B	24	25.0	M18x1.0	9.0	4.5	25.8	16.5	22

Note: this female contact type is available for all back panel mounting socket models.
Length «L» depends on the number of contacts, see PCB drilling pattern.
For male contacts, sockets are available upon request, with J, K or L keys.
The 3B series is delivered with a conical nut.



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

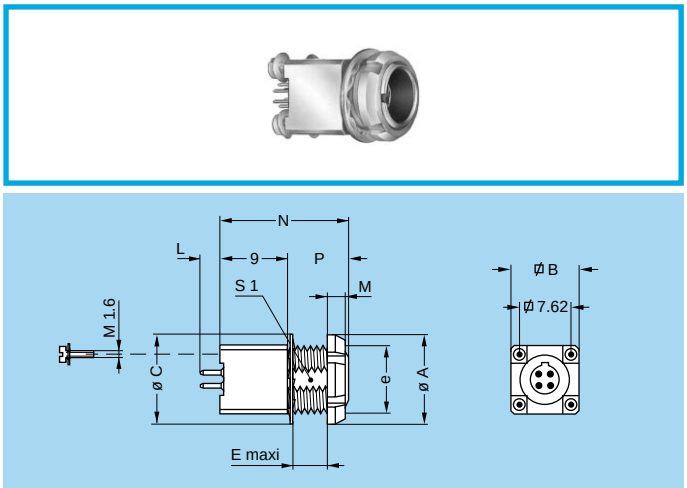
Reference		Dimensions (mm)				
Model	Series	A	B	H	K	N
EZG	00	6.8	7	5.08	7	14



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

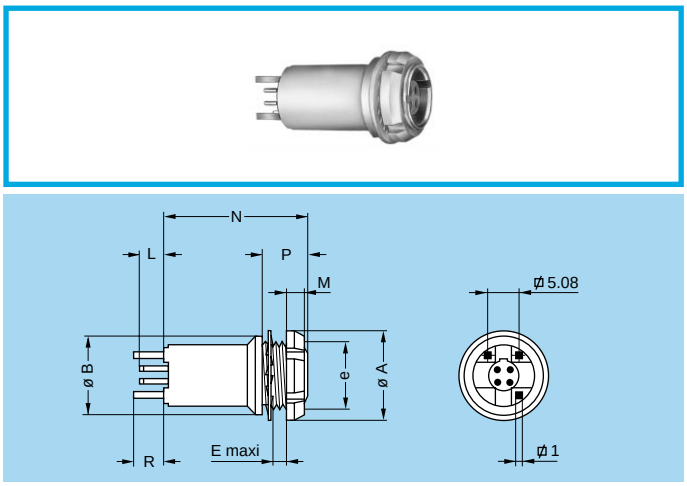
Note: Length «L» depends on the number of contacts.



EYG Fixed socket for printed circuit, nut fixing, key (G) or keys (A…F)
(back panel mounting)

Reference		Dimensions (mm)								
Model	Series	A	B	C	e	E	M	N	P	S1
EYG	0B	12	10	12.5	M9x0.6	2.6	2.5	15	6	8.2
EYG	1B	14	12	16.0	M11x0.5	5.0	3.5	19	10	–

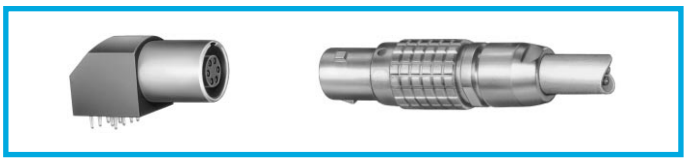
Note: Length «L» depends on the number of contacts.



XPF Fixed socket, nut fixing, long shell, keys (F) for printed circuit
(back panel mounting)

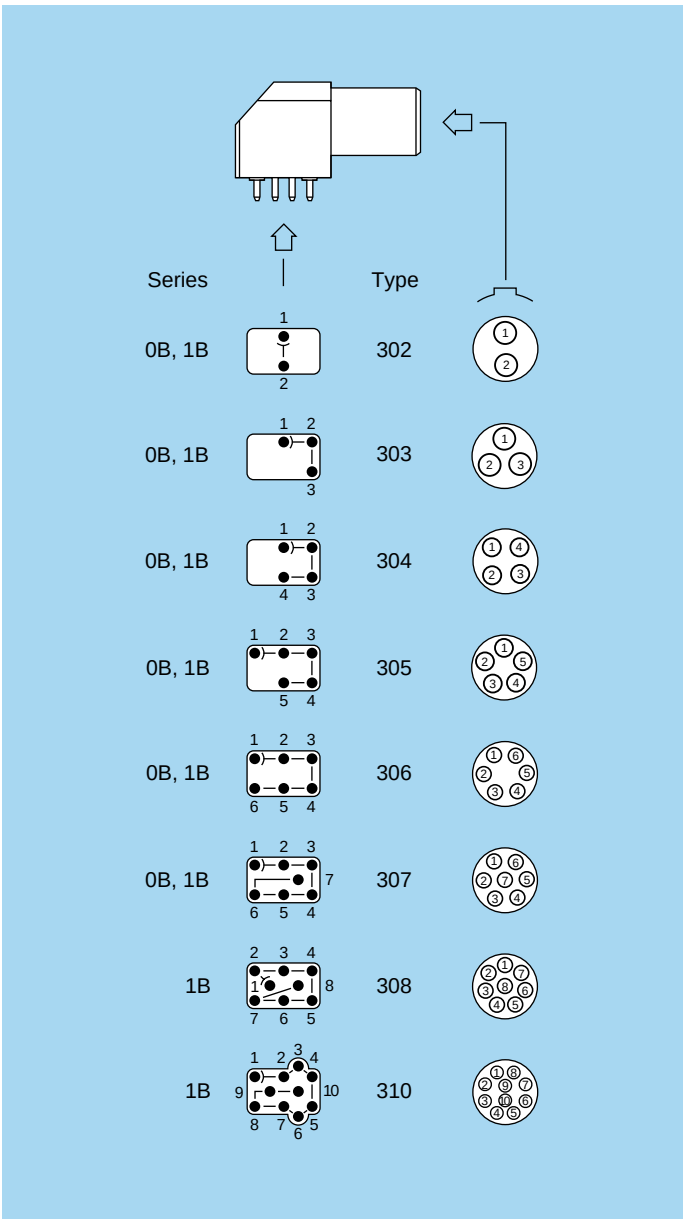
Reference		Dimensions (mm)							
Model	Series	A	B	e	E	M	N	P	R
XPF	0B	12	11	M9x0.6	1.5	2.5	19	5	4

Note: Length «L» depends on the number of contacts.



Technical Characteristics

Types



Elbow (90°) sockets for printed circuit

These socket models are fixed onto the printed circuit either by soldering the four pins, or with 4 screws (M1.6) replacing the pins.
EXG sockets are 2 nut fixing and are recommended in cases where a flexible printed circuit is used.

Materials and Treatment

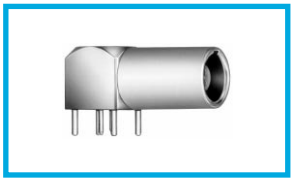
Component	Material	Surface treat. (µm)		
		Cu	Ni	Au
Housing	PPS [1]	–		
	Brass	0.5	3	–
Metallic parts	Brass	0.5	3	–
Earthing crown	Bronze	0.5	3	–
Insulator	PEEK	–		
Female contact	Bronze	0.5	3	1.5

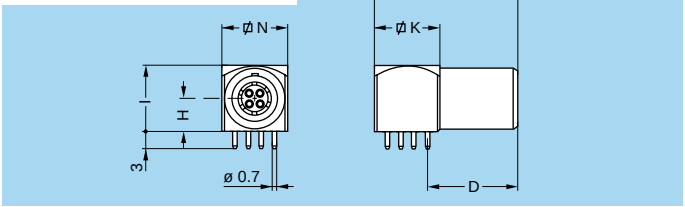
Note: [1] not used for all sizes.
The surface treatment standards are as follows:
– Nickel: FS QQ-N-290A. – Gold: ISO 4523

Electrical

Model	Series	Types	Test voltage (kV rms)[1] Contact-contact	Test voltage (kV rms)[1] Contact-shell	Rated current (A)
EPG-XBG	00	302-303-304	1.00	1.00	2.0
EPG-EXG	0B	302	1.45	1.20	4.5
EPG-EXG	0B	303	1.70	1.60	4.5
EPG-EXG	0B	304	1.30	1.10	4.5
EPG-EXG	0B	305	1.25	1.20	4.5
EPG-EXG	0B	306	1.25	1.20	2.5
EPG-EXG	0B	307	1.00	1.00	2.0
EPG-EXG	1B	302	1.70	1.45	4.5
EPG-EXG	1B	303	1.60	1.85	4.5
EPG-EXG	1B	304	1.70	1.80	4.5
EPG-EXG	1B	305	1.30	1.55	4.5
EPG-EXG	1B	306	1.35	1.45	4.5
EPG-EXG	1B	307	1.45	1.45	2.0
EPG-EXG	1B	308	1.30	1.30	2.0
EPG-EXG	1B	310	1.00	1.00	1.5
EPG	1B	314	1.00	1.30	1.0

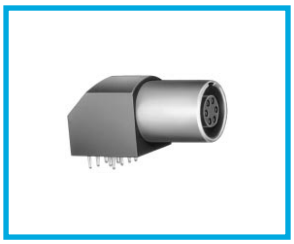
Note: [1] see calculation method, caution and suggested standard.

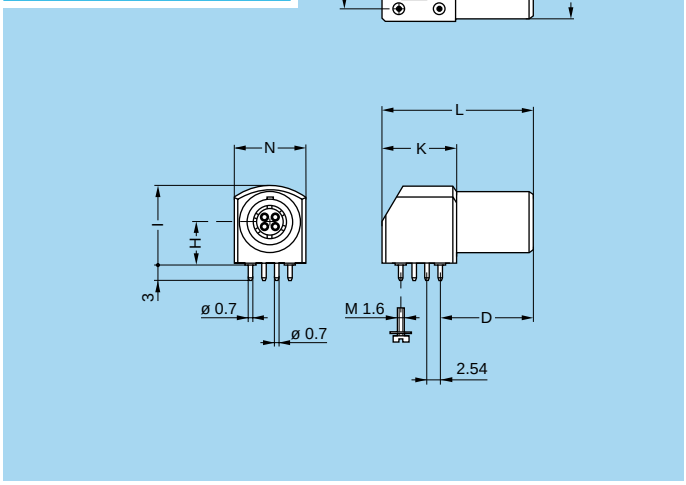




EPG Elbow (90°) socket for printed circuit, key (G) or keys (A, B)

Reference	Dimensions (mm)						
	A	D	H	I	K	L	N
EPG.00.302.NLN	6.8	11	3.5	7	7	17.5	7
EPG.00.303.NLN							
EPG.00.304.NLN							

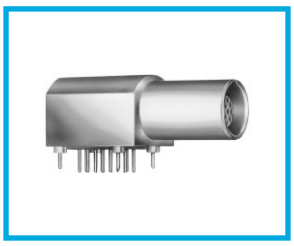


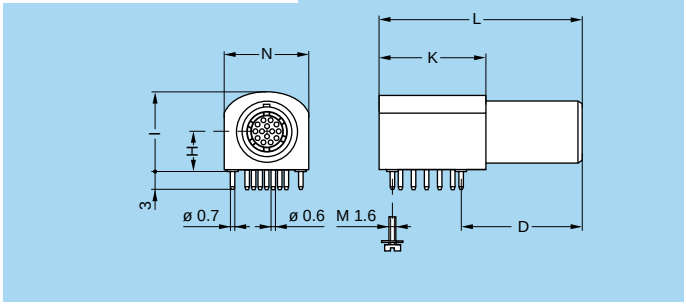


EPG Elbow (90°) socket for printed circuit, key (G) or keys (A…F) (solder or screw fixing)

Reference	Dimensions (mm)						
	A	D	H	I	K	L	N
EPG.0B.302.HLN	9	14.5	6.9	12.7	13.2	25	11.6
EPG.0B.303.HLN							
EPG.0B.304.HLN							
EPG.0B.305.HLN							
EPG.0B.306.HLN							
EPG.0B.307.HLN							
EPG.1B.302.HLN	11	16.5	7.7	14.0	13.2	27	12.6
EPG.1B.303.HLN							
EPG.1B.304.HLN							
EPG.1B.305.HLN							
EPG.1B.306.HLN							
EPG.1B.307.HLN							
EPG.1B.308.HLN							
EPG.1B.310.HLN							

Note: to replace the 4 ground pins by 4 screws (M1.6) add an «S» to the end of the part number. (e.g.: EPG.0B.307.HLNS)

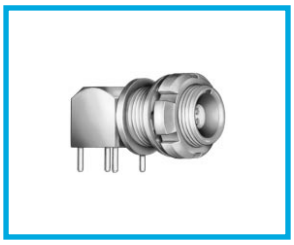


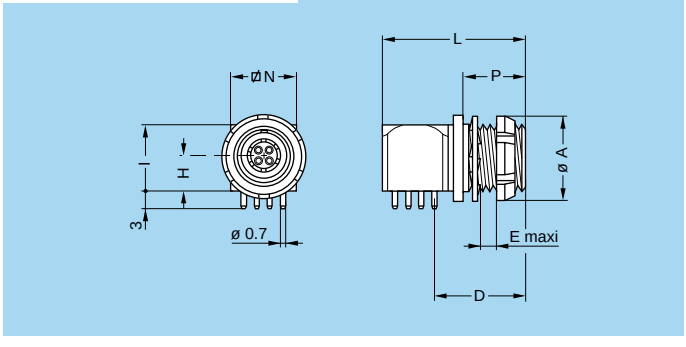


EPG Elbow (90°) socket for printed circuit, key (G) or keys (A…F) (solder or screw fixing)

Reference	Dimensions (mm)						
	A	D	H	I	K	L	N
EPG.1B.314.NLN	11	21	7.7	14.3	19	36	15.4

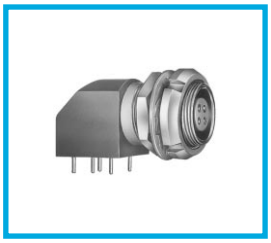
Note: to replace the 4 ground pins by 4 screws (M1.6) add an «S» to the end of the part number. (e.g.: EPG.1B.314.NLNS)

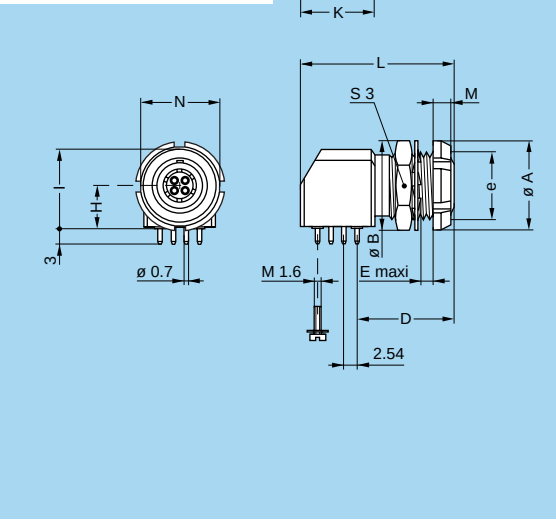




XBG Elbow (90°) socket fixing nut for printed circuit, key (G) or keys (A, B) (back panel mounting)

Reference	Dimensions (mm)										
	A	D	e	E	H	I	K	L	M	N	P
XBG.00.302.NLN	10	11.5	7x0.5	1.8	3.5	7	7	17.5	2.5	7	9
XBG.00.303.NLN											
XBG.00.304.NLN											

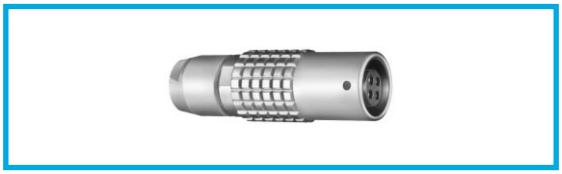


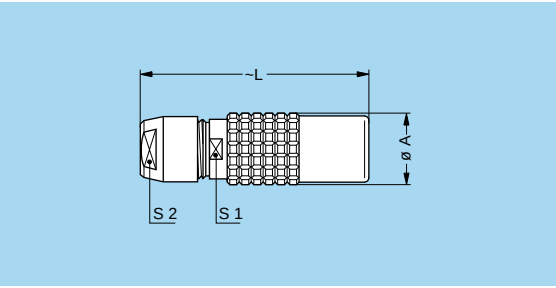


EXG Elbow (90°) socket for printed circuit with two nuts, key (G) or keys (A…F) (solder or screw fixing) (back panel mounting)

Reference	Dimensions (mm)											
	A	B	D	e	E	H	I	K	L	M	N	S3
EXG.0B.302.HLN	12	12.5	14.5	M9x0.6	6.0	6.9	12.7	13.2	25	2.5	10.5	11
EXG.0B.303.HLN												
EXG.0B.304.HLN												
EXG.0B.305.HLN												
EXG.0B.306.HLN												
EXG.0B.307.HLN												
EXG.1B.302.HLN	14	15.0	16.5	M11x0.5	7.5	7.7	14.0	13.2	27	3.5	14.0	13
EXG.1B.303.HLN												
EXG.1B.304.HLN												
EXG.1B.305.HLN												
EXG.1B.306.HLN												
EXG.1B.307.HLN												
EXG.1B.308.HLN												
EXG.1B.310.HLN												

Note: to replace the 4 ground pins by 4 screws (M1.6) add an «S» to the end of the part number. (e.g.: EXG.0B.307.HLNS).

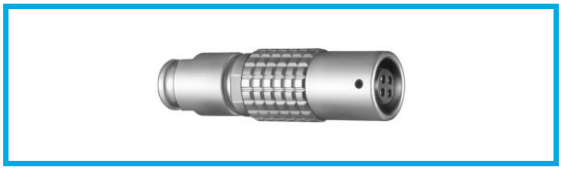


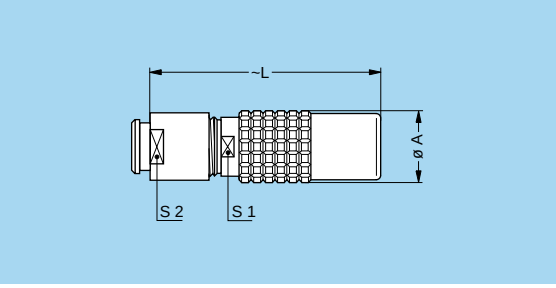


PHG Free socket, key (G) or keys (A…M and R), cable collet

Reference		Dimensions (mm)			
Model	Series	A	L	S1	S2
PHG	00[1)]	6.4	27.0	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
PHG	3B	19.0	56.0	15.0	14
PHG	4B	24.4	73.0	21.0	20
PHG	5B	34.2	99.0	31.0	30

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

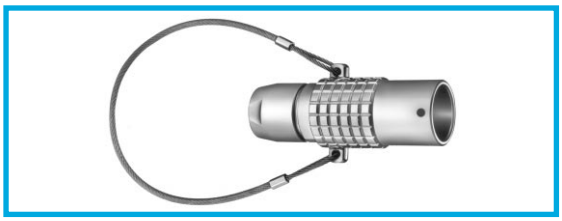


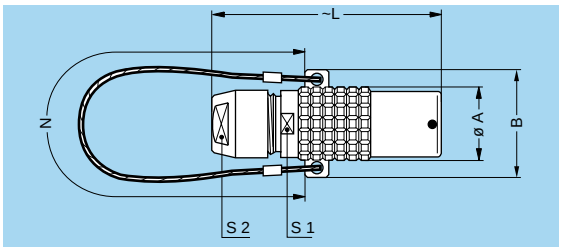


PHG Free socket, key (G) or keys (A…M), cable collet and nut for fitting a bend relief

Reference		Dimensions (mm)			
Model	Series	A	L	S1	S2
PHG	00[1)]	6.4	26.0	5.5	5
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
PHG	3B	19.0	54.5	15.0	15
PHG	4B	24.4	69.0	21.0	20

Note: [1)] the surface design of the 00 series is different.
The bend relief must be ordered separately.

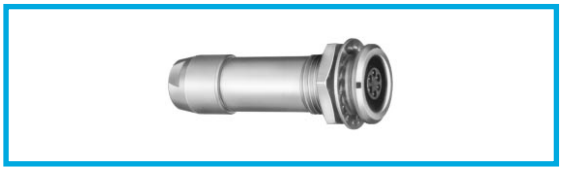


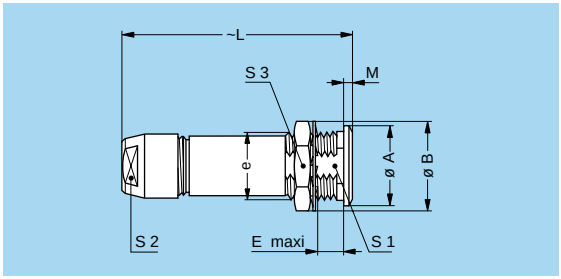


PNG Free socket, nut fixing, key (G) or keys (A…L and R), cable collet with lanyard release

Reference		Dimensions (mm)					
Model	Series	A	B	L	N	S1	S2
PNG	1B	12.5	20.0	40.5	140	10	9
PNG	2B	16.5	24.2	47.0	160	13	12
PNG	3B	19.0	26.6	56.0	190	15	14
PNG	4B	26.0	36.2	73.0	230	21	20
PNG	5B	36.0	48.0	99.0	300	31	30

Note: cable material: stainless steel with PVC sheath

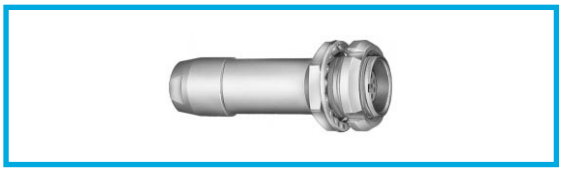


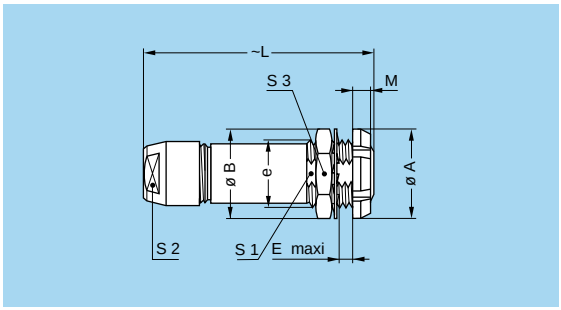


PKG Fixed socket, nut fixing, key (G) or keys (A…M and R), cable collet

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	S1	S2	S3
PKG	00	8	10.3	M7x0.5	6.5	27.0	1.0	6.3	5	9
PKG	0B	10	12.5	M9x0.6	7.0	35.5	1.2	8.2	7	11
PKG	1B	14	16.0	M12x1.0	7.5	40.5	1.5	10.5	9	14
PKG	2B	18	19.5	M15x1.0	8.5	47.0	1.8	13.5	12	17
PKG	3B	22	25.0	M18x1.0	11.5	56.0	2.0	16.5	14	22
PKG	4B	28	32.0	M25x1.0	12.0	73.0	2.5	23.5	20	30
PKG	5B	40	40.0	M35x1.0	11.0	99.0	3.0	33.5	30	–

Note: the 5B series is delivered with a tapered washer and a round nut.

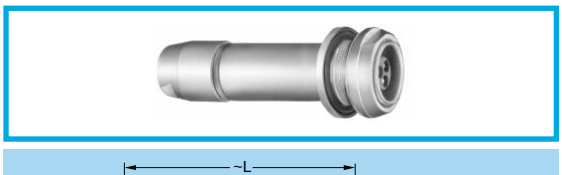


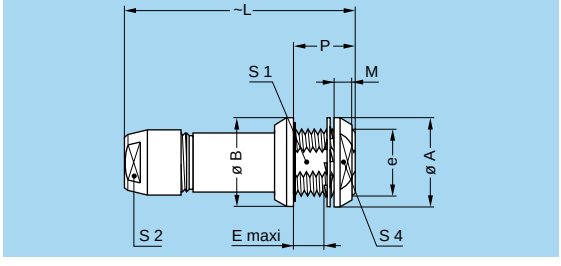


PFG Fixed socket, with two nuts, key (G) or keys (A…M and R), cable collet (back panel mounting)

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	S1	S2	S3
PFG	00	8	10.3	M7x0.5	5.3	27.0	2.5	6.3	5	9
PFG	0B	12	12.5	M9x0.6	5.0	35.5	2.5	8.2	7	11
PFG	1B	16	16.0	M12x1.0	5.0	40.5	3.5	10.5	9	14
PFG	2B	20	20.0	M15x1.0	6.5	47.0	3.5	13.5	12	17
PFG	3B	24	25.0	M18x1.0	9.0	56.0	4.5	16.5	14	22
PFG	4B	30	32.0	M25x1.0	11.0	73.0	4.5	23.5	20	30
PFG	5B	41	40.0	M35x1.0	10.0	99.0	5.0	33.5	30	–

Note:
the 3B, 4B and 5B series are delivered with a conical nut.
The 5B series is delivered with a tapered washer and a round nut.



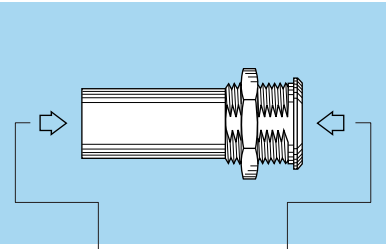


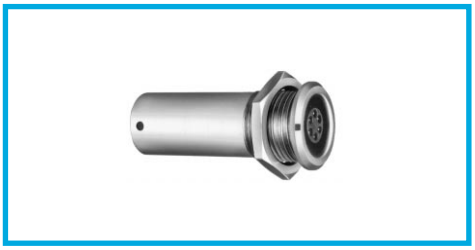
PEG Fixed socket, nut fixing, key (G) or keys (A…L), cable collet (back panel mounting)

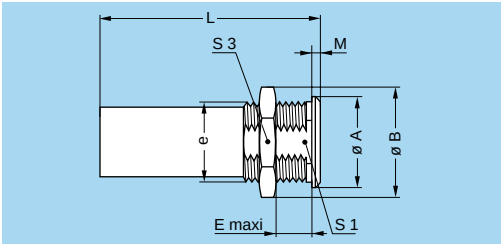
Reference		Dimensions (mm)									
Model	Series	A	B	e	E	L	M	S1	S2	S4	P
PEG	3B	24	22	M18x1.0	5.0	56	4.5	16.5	14	20	12
PEG	4B	32	34	M25x1.0	12.5	73	5.0	23.5	20	27	20

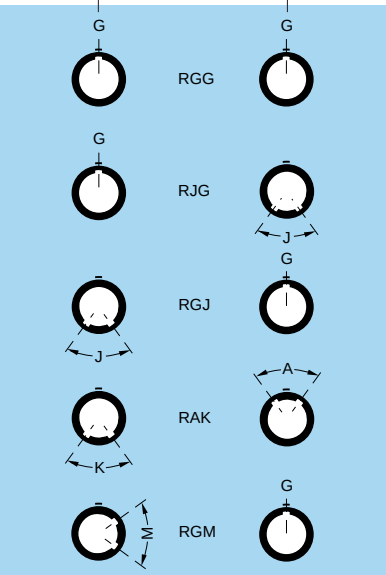
Note: the 4B series has an o-ring on the flange.

R●● Fixed coupler, nut fixing, key (G) or keys (A and J) at the flange end and keys (J, K or M) at the other end







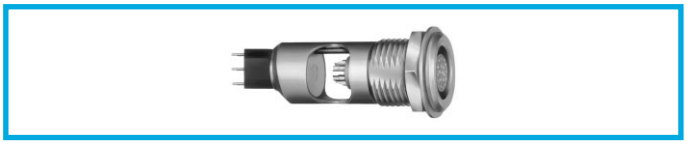


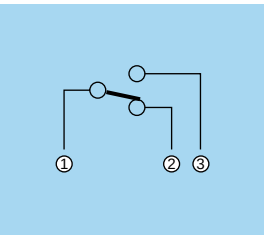
Reference		Contacts	Dimensions (mm)							
Model	Series	Type	A	B	e	E	L	M	S1	S3
RGG [1]	0B	female – female	12	13.8	M10x0.75	8.0	34	2.0	9.0	12
RGG [2]	0B	female – female	12	13.8	M10x0.75	8.0	43	2.0	9.0	12
RJG	0B	male – female	12	13.8	M10x0.75	8.0	34	2.0	9.0	12
RGJ		female – male								
RAK		female – male								
RGM		female – male								
RGG [2]	1B	female – female	16	19.5	M14x1.00	8.5	47	2.5	12.5	17
RJG	1B	male – female	16	19.5	M14x1.00	8.5	39	2.5	12.5	17
RGJ		female – male								
RJG	2B	male – female	20	21.8	M16x1.00	12.0	44	4.0	15.0	19
RGJ		female – male								
RGJ	3B	female – male	25	27.5	M20x1.00	32.0	53	4.0	18.5	24
RGJ	4B	female – male	34	32.0	M25x1.00	50.0	65	4.0	23.5	30

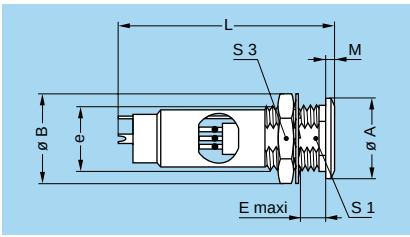
Note: [1] only available with two contacts. [2] only available with three contacts.
For this fixed coupler, the first contact type mentioned is always the one at the flange end. On request, these couplers can be produced in other series, with other keys.

Models with microswitch

Some sockets are available fitted with a microswitch. The microswitch is independent from the electrical contacts of the socket. The introduction of a plug into the socket activates the microswitch.



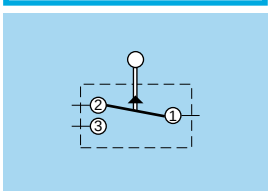


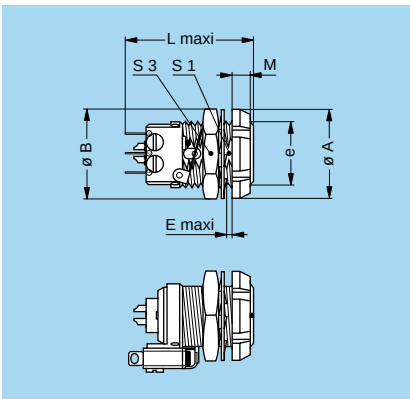


EMG Fixed socket, nut fixing, microswitch, key (G) or keys (A…L)

Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	M	S1	S3
EMG	0B	10	12.5	M9x0.6	5.5	35	1.2	8.2	11
EMG	1B	14	16.0	M12x1.0	7.0	38	1.5	10.5	14

Note: only available with 2 or 3 contacts (type 302, 303), in 0B series
Only available with 3 or 6 contacts (type 303, 306), in 1B series.
For the microswitch: maximum operating voltage: 270 Veff/Vdc,
rated current: 8.5A/0.5A.



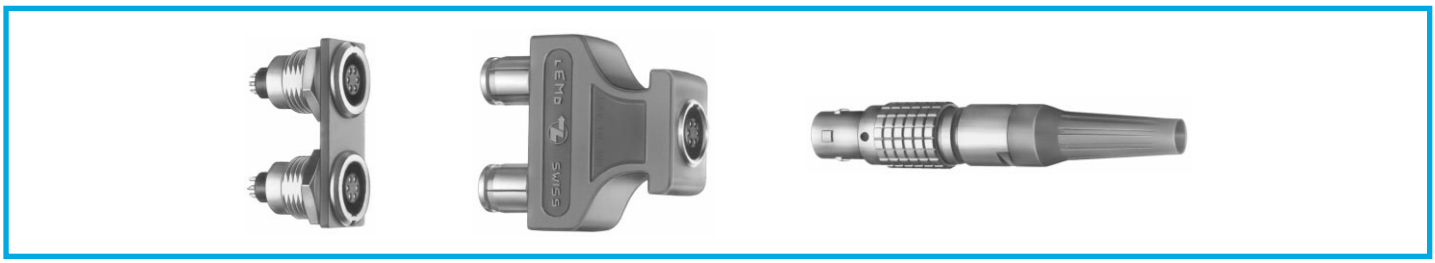


EMG Fixed socket, with two nuts, microswitch, key (G) or keys (A…L)

Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	M	S1	S3
EMG	2B	20	19.5	M15x1.0	2.2	26.7	3.5	13.5	17

Note: for the microswitch: maximum operating voltage: 250 Veff/Vdc,
rated current: 7A/0.25A.

Bridge plug



The LEMO audio-video connector system consists of two sockets, with or without microswitch, a bridge plug with or without output monitoring and a plug with or without bend relief. This system is already widely used in telecommunication equipment and in radio and television broadcasting centres.
The connectors of this system are fully compatible with all other connector models of the same series and type. However, when designing systems it should be considered that the distance between the assembled nut-fixing models should correspond to that between the outputs of the bridge plug. In order to provide the user with a coding system, the bridge plug housing, the double panel washers and the bend reliefs are available in nine colours.

Technical Characteristics

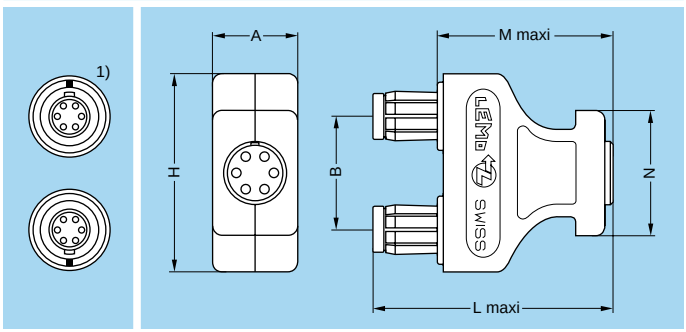
Mechanical and Climatical

Characteristics	Value	Standard
Endurance	> 1000 cycles	IEC 60512-5 test 9a
Working temperature	maximum 90° C	

Materials and Treatment

Component	Material	Surface treat. (µm)			
		Cu	Ni	Cr	Au
Plastic housing	Polyamide	–			
Metallic parts	Brass	0.5	3	–	–
	Brass	0.5	3	0.3	–
Insulator	PEEK	–			
Male contact	Brass	0.5	3	–	1.0
Female contact	Bronze	0.5	3	–	1.5

Note: the surface treatment standards are as follows:
– Nickel: FS QQ-N-290A
– Chrome: FS QQ-C-320B
– Gold: ISO 4523



Electrical

Characteristics	Value	Standard
Contact resistance	< 6 mΩ	IEC 60512-2 test 2a

Characteristics	Series	Audio-Mono	Audio-Stereo	Test voltage (kV rms) 1) 2)	Rated current (A)
CFF.0B.302.PLCG	0B	●	–	1.05	4
CRG.0B.302.PLEG	0B	●	–	1.05	4
CFF.0B.303.PLCG	0B	●	–	0.80	4
CRG.0B.303.PLEG	0B	●	–	0.80	4
CRG.0B.306.PLEG	0B	–	●	0.40	2
CFF.1B.303.PLCG	1B	●	–	1.25	5
CRG.1B.303.PLEG	1B	●	–	1.25	5
CFF.1B.306.PLCG	1B	–	●	0.80	3
CRG.1B.306.PLEG	1B	–	●	0.80	3

Note: the last letter of the part number indicates the colour of the housing. Ex. G (standard) is grey. To obtain another colour, replace this letter by the letter corresponding to the selected colour.
1) see calculation method, caution and suggested standard.
2) lowest measured value; contact to contact or contact to shell.

CFF Bridge plug with two non-latching plugs

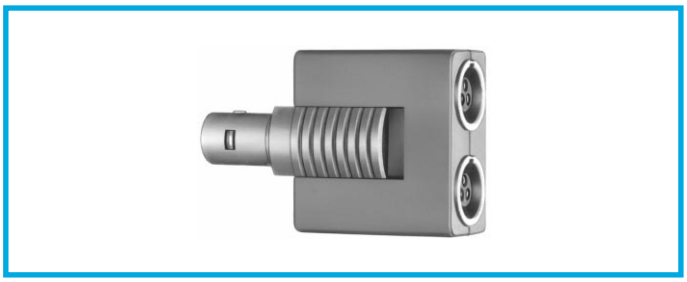
CRG Bridge plug with two non-latching plugs, and monitoring socket, key (G) or keys (A…M)

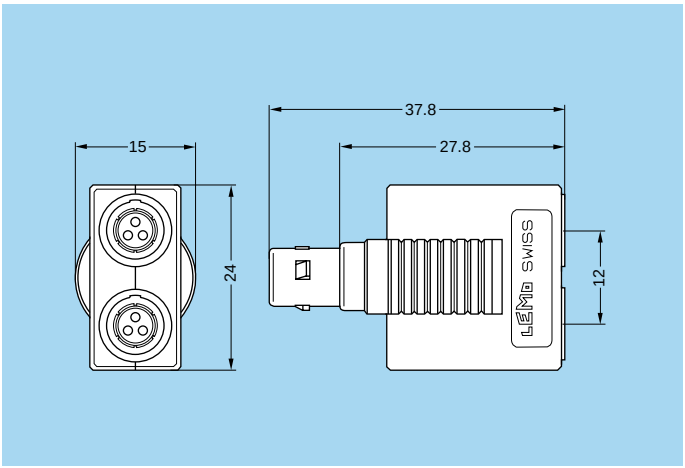
Reference		Dimensions (mm)					
Model	Series	A	B	H	L	M	N
CFF-CRG	0B	13.5	14	27.5	37.2	27.2	22.5
CFF-CRG	1B	15.0	20	35.0	42.0	31.0	22.0

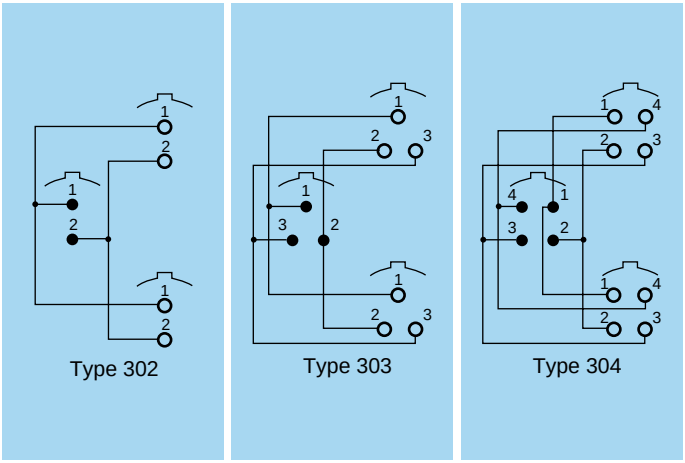
Note:
1) sockets are to be mounted with the keys mounted on the opposite side.

Plugs with parallel sockets

These plug models have been designed to divide one or more signals originating from the same source to two different points. They are used in various fields of application, particularly in audio signal transmission.







FTG Straight plug, key (G) and two parallel sockets

Reference
FTG.0B.302.PLFG
FTG.0B.303.PLFG
FTG.0B.304.PLFG

Technical Characteristics

Electrical

Model	Number of contacts	Test voltage (kV rms) 1) 2)	Nominal current (A)
FTG.0B.302.PLFG	2	1.05	4
FTG.0B.303.PLFG	3	0.80	4
FTG.0B.304.PLFG	4	0.80	3

Materials and Treatment

Component	Material	Surface treat. (µm)			
		Cu	Ni	Cr	Au
Plastic housing	Polyamide	–			
Metallic parts	Brass	0.5	3	–	–
	Special brass	0.5	3	0.3	–
Insulator	PEEK	–			
Male contact	Brass	0.5	3	–	1.0
Female contact	Bronze	0.5	3	–	1.5

Note:
1) see calculation method, caution and suggested standard.
2) lowest measured value; contact to contact or contact to shell.
The surface treatment standards are as follows:
– Nickel: FS QQ-N-290A
– Chrome: FS QQ-C-320B
– Gold: ISO 4523

Plastic housing models

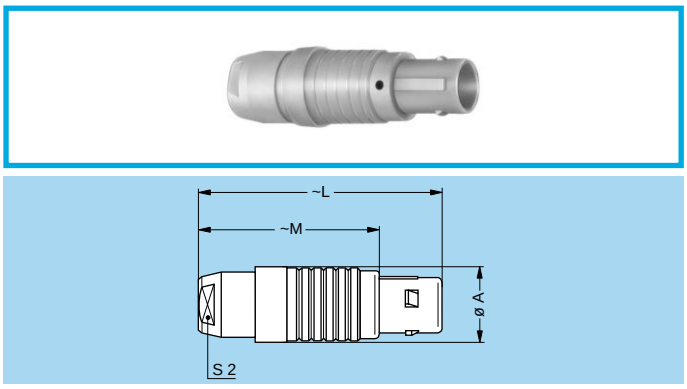
FGG, FGY, ENG and ENY plug and socket models are available with the outer shell and collet nut made with various insulating materials.
These connectors are particularly recommended for all applications requiring maximum electrical insulation when mated. The design, including a latch sleeve and a metal earthing crown, guarantees EMC screening efficiency to meet most requirements.

Technical Characteristics

Mechanical and Climatical

Characteristics	Value			Standard
	PEEK	PSU	PPSU	
Colour	natural (beige)	white or grey	cream	–
Endurance	> 5000 cycles	> 5000 cycles	> 5000 cycles	IEC 60512-5 test 9a
Humidity	up to 95% at 60° C			–
Temperature range	- 50° C/+250° C	- 50° C/+150° C	- 50° C/+180° C	–
Sterilization resistance [1)]	> 200 cycles	~20 cycles	> 100 cycles	IEC 60601-1 § 44.7
Resistance to solvents	very good	limited	good	–

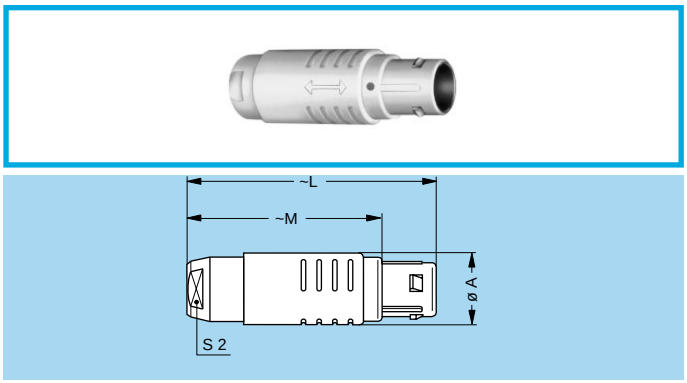
Note: [1)] Steam sterilization



FGG Straight plug, key (G or J), cable collet, PEEK outer shell

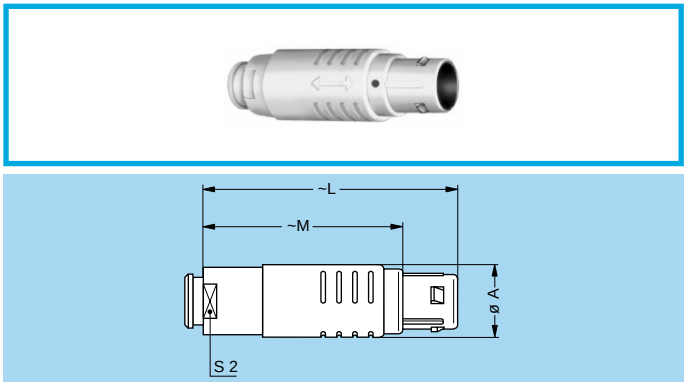
Reference		Dimensions (mm)			
Model	Series	A	L	M	S2
FGG	1B	13.5	43.0	32.0	10
FGG	3B	19.0	62.0	47.0	15
FGG	4B	26.0	78.5	60.5	20

Note: model also available with a nut for fitting a bend relief



FGY Straight plug, keys (Y), cable collet and PSU or PPSU outer shell

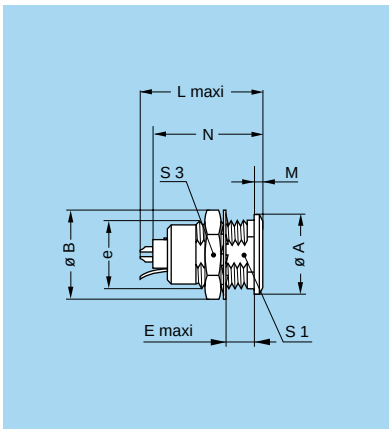
Reference		Dimensions (mm)			
Model	Series	A	L	M	S2
FGY	2B	16.5	50.5	39.5	13
FGY	3B	19.0	58.0	43.0	15



FGY Straight plug, keys (Y), cable collet and PSU or PPSU outer shell and nut for fitting a bend relief

Reference		Dimensions (mm)			
Model	Series	A	L	M	S2
FGY	2B	16.5	49.5	38.5	13
FGY	3B	19.0	56.5	41.5	15

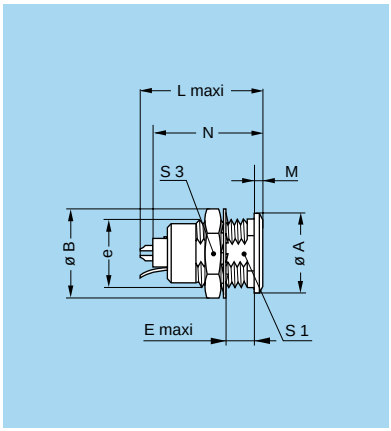
Note: the bend relief must be ordered separately.



ENG Fixed socket with earthing tag, nut fixing, key (G or J), PEEK outer shell

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S3
ENG	1B	14	16.0	M12x1.0	7.5	23.0	1.5	21.1	10.5	14
ENG	3B	22	25.0	M18x1.0	11.5	30.7	2.0	28.1	16.5	22
ENG	4B	28	32.0	M25x1.0	12.0	35.7	2.5	32.6	23.5	30

Note: [1)] maximum length with crimp contacts.



ENY Fixed socket with earthing tag, nut fixing, keys (Y), PSU or PPSU outer shell

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S3
ENY	2B	18	19.5	M15x1.0	8.5	26.7	1.8	24.6	13.5	17
ENY	3B	22	25.0	M18x1.0	11.5	30.7	2.0	28.1	16.5	22

Note: [1)] maximum length with crimp contacts.

Note: other models with plastic outer shell are available on request.

Watertight or vacuumtight models

YHG, HGG, HCG, HNG, HHG, HMG and S●● plug, socket or coupler models allow the device on which they are fitted to reach a protection index of IP68 as per IEC 60529. They are fully compatible with plugs of the same series and are widely used for portable radios, military, laboratory equipment, aviation, etc.
These models are identified by a letter «P» at the end of the reference.
Most of these models are also available in a vacuumtight version. Such models are identified by an additional letter «V» at the end of the part number (certificate on request).
Epoxy resin is used to seal these models.
Please refer to the chapter on selecting watertight connectors.

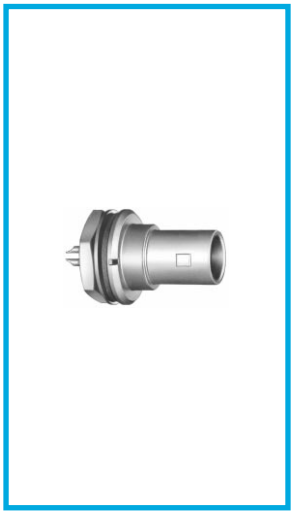
Part number example:
Watertight socket: HGG.1B.306.CLLP
Vacuumtight socket: HGG.1B.306.CLLPV

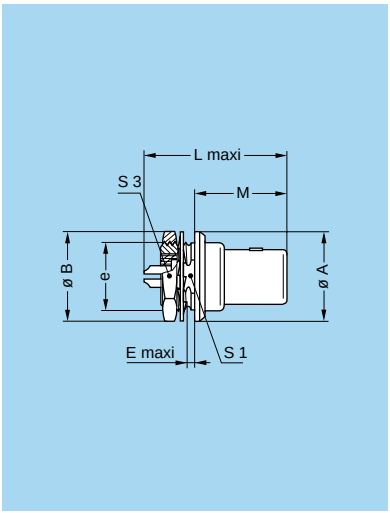
Technical Characteristics

Mechanical and Climatical

Charateristics		Value	Standard
Endurance		> 5000 cycles	IEC 60512-5 test 9a
Humidity		up to 95% at 60° C	
Temperature range		- 20° C/+80° C	
Salt spray corrosion test		> 144h	IEC 60512-6 test 11f
Protection index (mated)		IP 68	IEC 60529
Climatical category		20/80/21	IEC 60068-1
Leakage rate (He)[1]		< 10^{-6} mbar.l.s^{-1}	IEC 60512-7 test 14b
Maximum operating pressure[2]	00	60 bars	IEC 60512-7 test 14d
	0B	60 bars	
	1B	60 bars	
	2B	40 bars	
	3B	30 bars	
	4B	15 bars	
	5B	5 bars	

Note:
[1] only for vacuumtight models.
[2] this value corresponds to the maximum allowed pressure difference for the assembled socket.

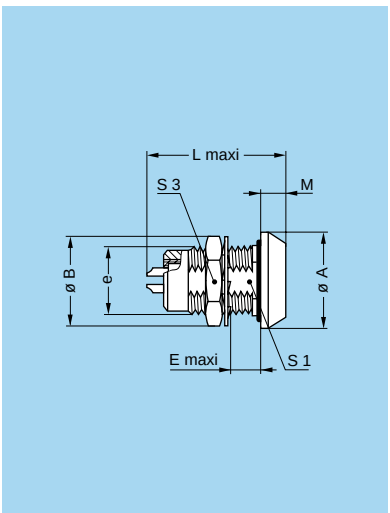




YHG Fixed plug, nut fixing, non-latching, key (G) or keys (A…M)

Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	M	S1	S3
YHG	0B	14.0	12.5	M9x0.6	2.5	21.2	14.6	8.2	11
YHG	1B	16.0	16.0	M12x1.0	4.5	25.0	16.4	10.2	14
YHG	2B	19.5	19.5	M15x1.0	4.0	31.5	18.2	13.5	17
YHG	3B	22.0	25.2	M18x1.0	5.0	34.0	22.4	16.5	22

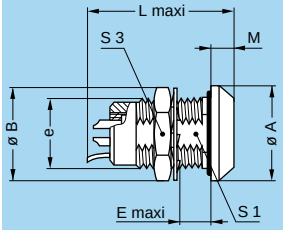
Note: this model does not include an O-ring behind the flange, it ensures only IP61 protection index. Consequently, it is not vacuumtight. Watertightness (when mated) is only ensured with HHG and HCG sockets.



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

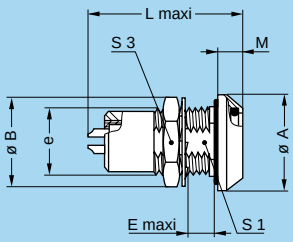
Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	M	S1	S3
HGG	00	11	10.3	M7x0.5	8.0	18.3	1.5	–	9
HGG	0B	13	12.5	M9x0.6	7.0	20.7	3.0	8.2	11
HGG	1B	18	16.0	M12x1.0	7.0	26.0	4.5	10.5	14
HGG	2B	20	19.5	M15x1.0	8.0	29.7	4.0	13.5	17
HGG	3B	25	25.0	M18x1.0	11.5	36.2	4.0	16.5	22
HGG	4B	34	32.0	M25x1.0	11.0	44.7	4.0	23.5	30
HGG	5B	45	40.0	M35x1.0	11.0	51.7	5.0	33.5	–

Note: the 5B series is delivered with a tapered washer and a round nut.



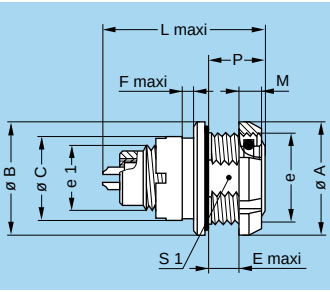
HNG Fixed socket, nut fixing, with earthing tag, key (G) or keys (A…M), watertight or vacuumtight

Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	M	S1	S3
HNG	0B	13	12.5	M9x0.6	7	20.7	3	8.2	11



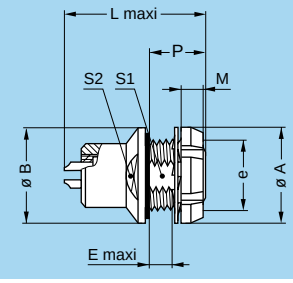
HHG Fixed socket, nut fixing, key (G) or keys (A…M), watertight or vacuumtight (watertight when mated)

Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	M	S1	S3
HHG	0B	13	12.5	M9x0.6	7.0	23.7	4.8	8.2	11
HHG	1B	18	16.0	M12x1.0	7.0	29.7	5.2	10.5	14
HHG	2B	22	19.5	M15x1.0	8.0	33.7	6.0	13.5	17
HHG	3B	25	25.2	M18x1.0	11.5	41.4	7.2	16.5	22



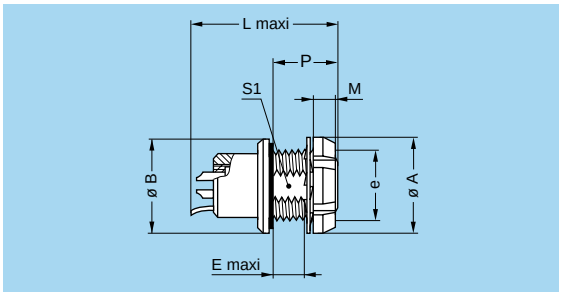
HCG Fixed socket, nut fixing, key (G) or keys (A…M), watertight or vacuumtight (watertight when mated) (back panel mounting)

Reference		Dimensions (mm)										
Model	Series	A	B	C	e	e1	E	F	L	M	P	S1
HCG	0B	18	18	12.0	M14x1.0	M9x0.6	3.9	1.0	23.7	3.5	7.5	12.5
HCG	1B	20	20	14.5	M16x1.0	M12x1.0	6.2	2.0	29.7	3.5	10.0	14.5
HCG	2B	24	24	17.5	M19x1.0	M14x1.0	6.7	1.5	33.7	3.5	11.3	17.0



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

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	P	S1	S2
HEG	2B	20	20	M15x1.0	5.4	33.7	3.5	9.6	13.5	15

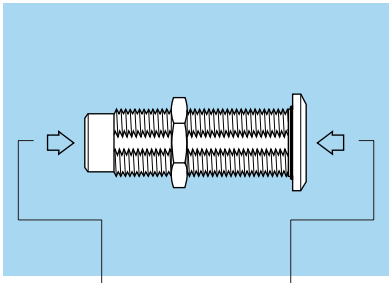


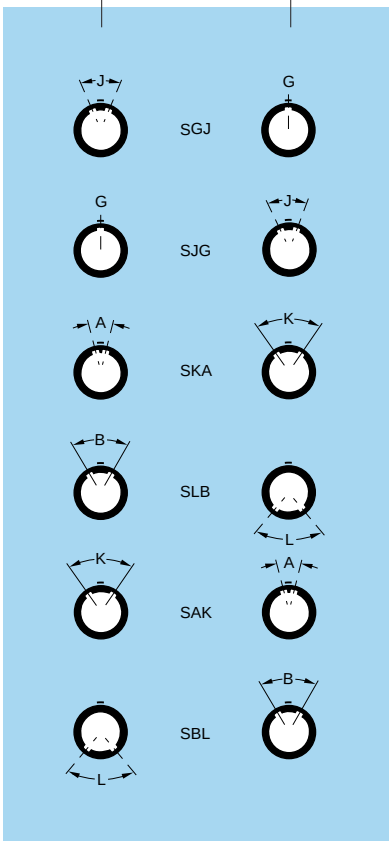
HMG Fixed socket with earthing tag, nut fixing, key (G) or keys (A…M), watertight or vacuumtight
(back panel mounting)

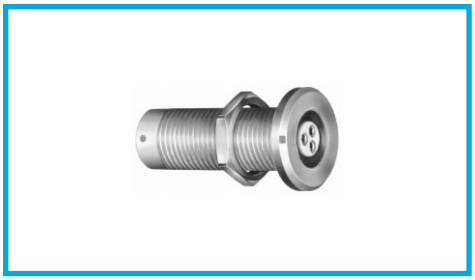
Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	M	P	S1
HMG	0B	12	13	M9x0.6	4.7	20.7	2.5	9.0	8.2
HMG	1B	16	18	M12x1.0	5.5	26.0	3.5	11.0	10.5
HMG	3B	24	25	M18x1.0	7.5	36.2	4.5	13.6	16.5

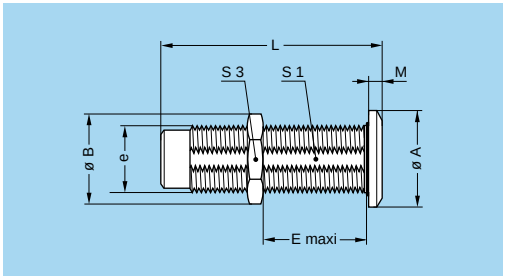
Note: the 3B series is delivered with a conical nut.

S●● Fixed coupler, nut fixing, key (G) or keys (A, B, J, K and L) at the flange end and key (G) or keys (A, B, J, K and L) at the other end, watertight or vacuumtight







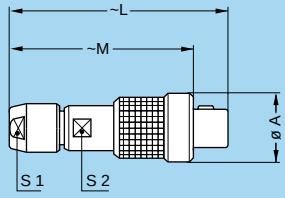


Reference		Contacts	Dimensions (mm)							
Model	Series	Type	A	B	e	E	L	M	S1	S3
SGJ	0B	female – male	14	13.8	M10x0.75	17	34	2.0	9.0	12
SJG		male – female								
SGJ	1B	female – male	17	16.0	M12x1.00	28	39	2.5	10.5	14
SJG		male – female								
SGJ	2B	female – male	20	21.8	M16x1.00	25	44	4.0	15.0	19
SJG		male – female								
SGJ	3B	female – male	25	27.1	M20x1.00	30	53	4.0	18.5	24
SJG		male – female								
SAK		female – male								
SBL		female – male								
SAK	4B	female – male	34	32.0	M25x1.00	50	65	4.0	23.5	30
SBL		female – male								
SGJ		female – male								
SJG		male – female								
SGJ	5B	female – male	45	40.0	M35x1.00	58	80	5.0	33.5	–
SJG		male – female								
SKA		male – female								
SLB		male – female								
SAK		female – male								
SBL		female – male								

Note: for this fixed coupler, the first contact type mentioned is always the one at the flange end.
On request these couplers can be produced in other series, with other keys.
The 5B series is delivered with a round nut.

Threaded-fixing models

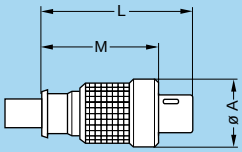
The 00 multipole series includes two threaded-fixing plug models. These plugs can be mated with sockets with a threaded front end (XRB or ESG). Plugs include an O-ring guaranteeing an IP64 protection index when mated.



FVG Straight plug, key (G) or keys (A, B), cable collet, threaded-fixing

Reference		Dimensions (mm)				
Model	Series	A	L	M	S1	S2
FVG	00	9	28.5	24	5	5

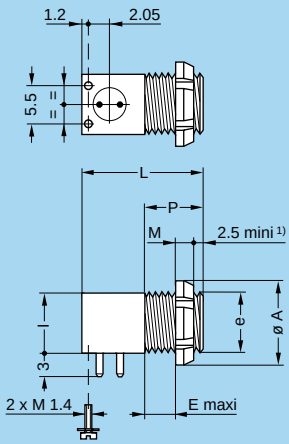
Note: to be ordered with nut for fitting a bend relief to obtain the rating IP 64.



FVB Straight plug, keys (B), threaded-fixing for special cable crimping

Reference		Dimensions (mm)		
Model	Series	A	L	M
FVB	00	9	20	15.4

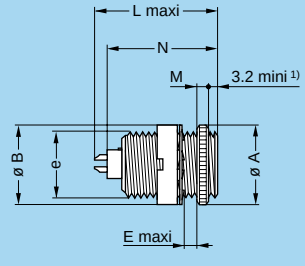
Note: after assembly the special bend relief GMF.00.018.D● (to be ordered separately) is to be fitted.



XRB Elbow (90°) socket fixing nut for printed circuit, keys (B), short shell, threaded-fixing
(back panel mounting)

Reference		Dimensions (mm)						
Model	Series	A	e	E	I	L	M	P
XRB	00	10	M7x0.5	1.8	7	14	2.5	7

Note: 1) minimum length of free thread to ensure mating.



ESG Fixed socket with two round nuts, key (G), or keys (A, B), long threaded shell
(back panel mounting)

Reference		Dimensions (mm)						
Model	Series	A	B	e	E	L	M	N
ESG	00	9.5	9	M7x0.5	4.2	15.5	2	13.7

Note: 1) minimum length of free thread to ensure mating.