

Y SERIES

(OUTDOOR KEYED)



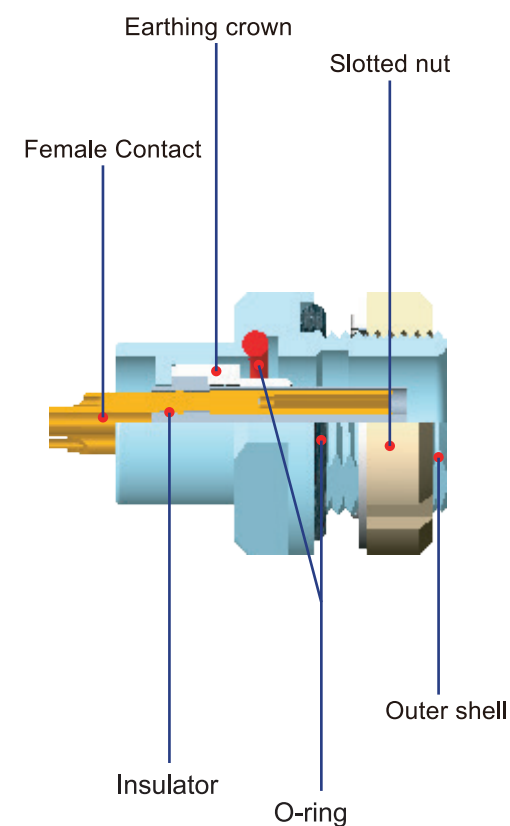
MAIN FEATURES:

1. Security of the push –pull self-latching system
2. Multipole types 2 to 32 contacts
3. Solder or PCB contacts (straight or elbow)
4. High Packing density for space saving
5. Multiple key options to avoid cross mating of similar connectors
6. Keying system (G key standard) for connector alignment
7. 360° screening for full EMC shielding
8. Rugged housing for extreme working conditions
9. IP Rating: IP68

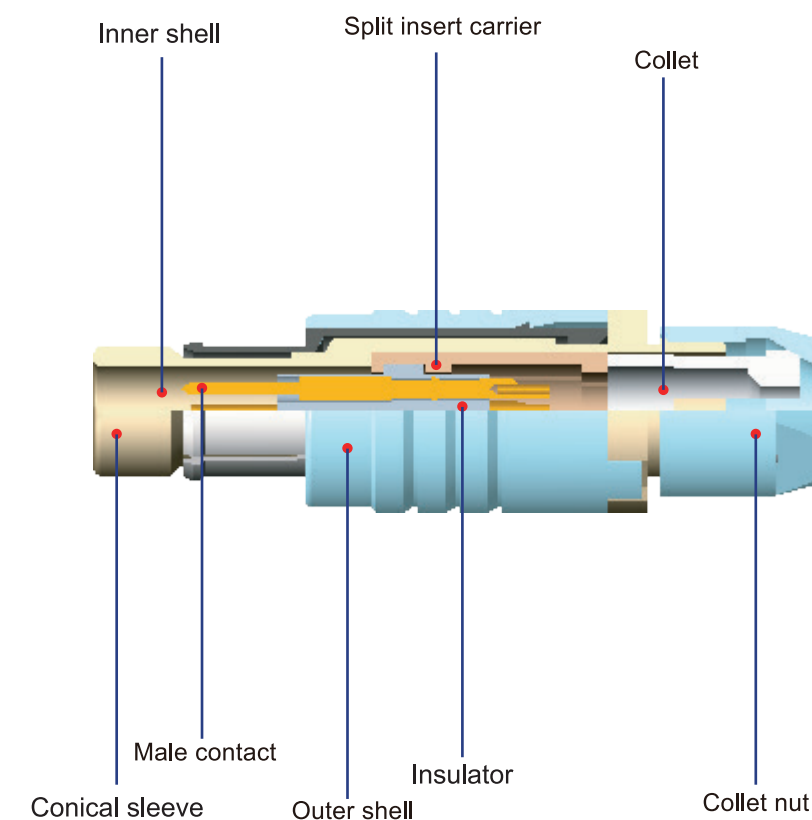
PART SECTION SHOWING INTERNAL COMPONENTS

Y series

Fixed socket



Straight plug



Part Numbering System

1.Series: (Page 40)

2.Housing model: (Page 40)

3.Alignment key:(Page 42)

4.Insert configuration:(Page 47)

5.Housing material
C=Chrome plated brass
K=Black Chrome plated brass
N=Nickel plated brass
T=Stainless steel
L=Aluminium alloy anodized

6.Insulator material
L=PPS、 T=PTFE

7.Contact type
A=Solder male L=Solder female
N=Print female V=Print female 90°
W=Print male 90° D=Print male

8.Cable OD:(Page 52)

9.Outershell pattern
4=Circle Pattern

10.Collet Nut Type
2=Collet nut for bend relief
3=Flat (without bend relief)

11.Earthing Tag
0=Without Earthing Tag 1=With Earthing Tag

Plug

Fixed socket

1Y

T1

G

04

C

L

A

50

4

2

0

1Y

Z13

G

04

C

L

L

00

0

0

0

PART NUMBER EXAMPLE:

Straight plug with cable collet:

1YT1G04CLA50420=1Y series straight plug,key(G) with collet,multipole type with 4 contacts,chrome plated brass outer shell, PPS insulator,solder male contacts,collet for 5.0mm diameter cable,circle outershell pattern, collet nut for bend relief,without earthing tag.

Free socket:

1YZ13G04CLL00000=1Y series fixed socket, nut fixing,key(G),multipole type with 4 contacts,chrome plated brass outer shell, PPS insulator,solder female contacts,without earthing tag.

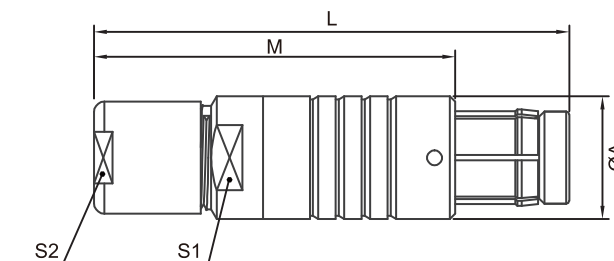
TECHNICAL CHARACTERISTICS

Characteristics	Parameter
Locking Type	push pull self-latching type
Working Temperature	-55°~+250°
Maximum Humidity	up to 95% at 60°/140°F
Shielding Efficiency	75dB(10MHz) 40dB(1GHz)
Resistance to Vibration	15g[10Hz~2000Hz]

Characteristics	Parameter
Salt spray corrosion test	96hr
Shock resistance	100g,6ms
Endurance	5000 cycles
Protection index(mated)	IP68

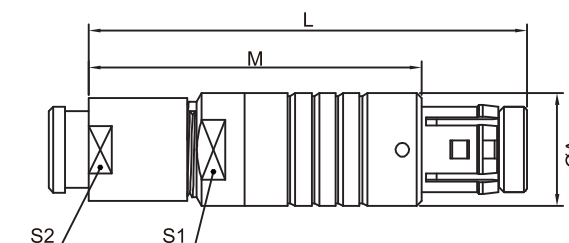
Housing Models

T1 PLUG STRAIGHT PLUG, KEY (G) OR KEYS (A...F, L AND R), CABLE COLLET



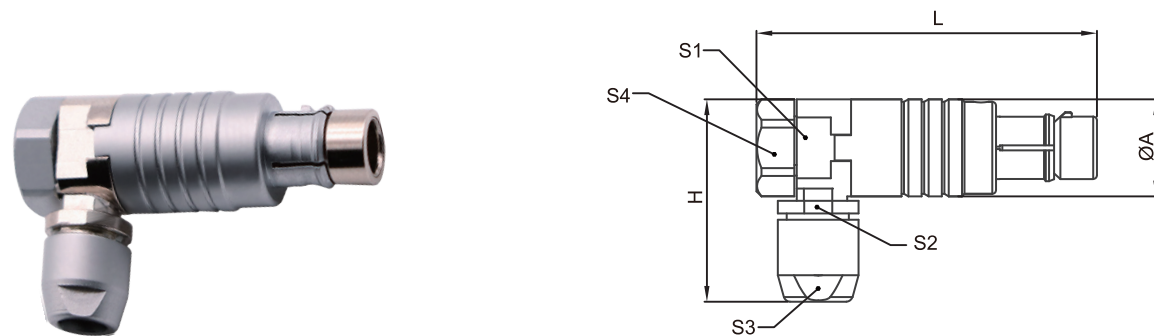
Reference		Dimensions(mm)				
Series	Model	L	M	A	S1	S2
00Y	T1	28	20	7.7	6	5
1Y	T1	45.8	34.8	11.8	10	9
2Y	T1	50.5	38.5	15	13	13

T1 PLUG STRAIGHT PLUG, KEY (G) OR KEYS (A...M), CABLE COLLET AND NUT FOR FITTING A BEND RELIEF



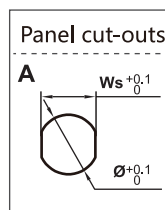
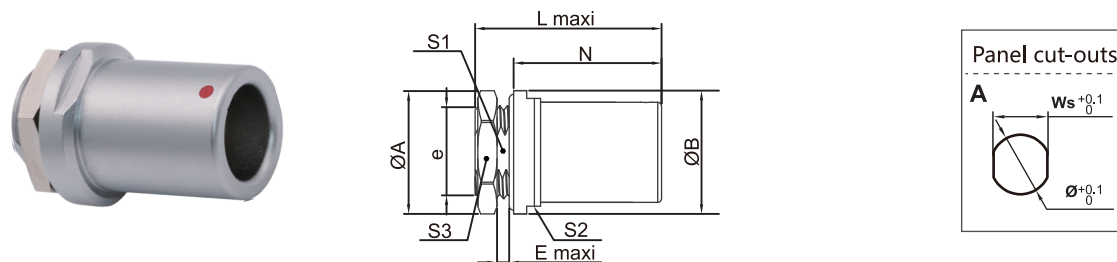
Reference		Dimensions(mm)				
Series	Model	L	M	A	S1	S2
00Y	T1	28	20	7.7	6	5
1Y	T1	45.8	34.8	11.8	10	9
2Y	T1	50.5	38.5	15	13	13

T3 PLUG ELBOW (90°) PLUG, KEY (G) OR KEYS(A...M AND R), CABLE COLLET



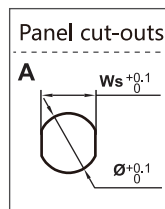
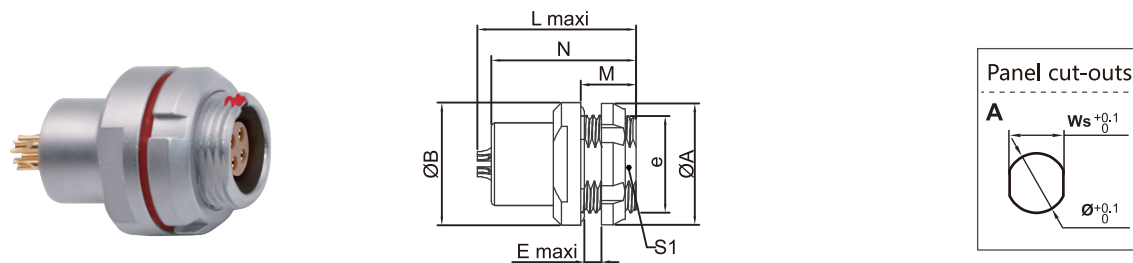
Reference		Dimensions(mm)						
Series	Model	A	L	H	S1	S2	S3	S4
00Y	T3	7.7	27	16	6	6	5	7

Z6 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, NUT FIXING, KEY (G) OR KEYS (A...M), WATERTIGHT OR VACUUM-TIGHT



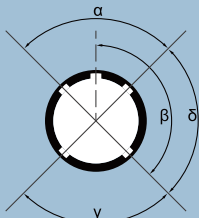
Reference		Dimensions(mm)									Panel cut-outs		
Series	Model	A	B	L	N	E	S1	S2	S3	e	Ws	Ø	Type
1Y	Z6	16	16	24.2	19.2	2	10	14	14	M12*1.0	10.6	12.1	A

Z13 SOCKET FIXED SOCKET, BACK PANEL MOUNT, NUT FIXING, KEY (G) OR KEYS (A...M), WATERTIGHT OR VACUUM-TIGHT



Reference		Dimensions(mm)								Panel cut-outs		
Series	Model	A	B	L	N	M	E	S1	e	Ws	Ø	Type
00Y	Z13	10	9.8	16.7	14.2	5	2	6.3	M7*0.5	6.4	7.1	A
1Y	Z13	18	17.8	25	21	8	4.5	8.2	M14*1.0	12.1	14.1	A
2Y	Z13	20	21	25	20.4	10	5.5	10.5	M16*1.0	14.6	15.1	A

Y series Alignment Key and Polarized Keying System

插座正视图	编号	定位销数量	角度	系列			编号	定位销数量	角度	系列			针芯类型		注
				00	0Y	1Y				2Y	3Y	4Y	插头	插座	
	G	1		0°	0°	0°	G	1		0°	0°	0°	公针芯	母针芯	●
	A	2	α	30°	30°	30°	A	2	α	30°	30°	30°	公针芯	母针芯	●
	B	2		60°	60°	60°	B	2		45°	45°	45°	公针芯	母针芯	●
	C	2		-	90°	90°	C	2		60°	60°	60°	公针芯	母针芯	○
	D	2	β	-	135°	135°	D	2	β	95°	95°	95°	公针芯	母针芯	○
	E	2		-	145°	145°	E	2		120°	120°	120°	公针芯	母针芯	○
	F	2		-	155°	155°	F	2		145°	145°	145°	公针芯	母针芯	●
	J	2	γ	45°	45°	45°	J	2	α	37.5°	37.5°	37.5°	母针芯	公针芯	○
	K	2		-	70°	70°	K	2		32.5°	32.5°	32.5°	母针芯	公针芯	○
	L	2		-	80°	80°	L	2		γ	70°	70°	70°	母针芯	公针芯
	M	2	δ	-	110°	-	M	2	-	-	-	-	母针芯	公针芯	●
	Y	3	-	-	-	-	Y	3	β	112.5°	126°	112.5°	公针芯	母针芯	●
-			-	-	-	γ			100°	102°	147.5°				

插座正视图 	编号	定位销数量	角度	系列			编号	定位销数量	角度	系列			针芯类型		注	
				00	0Y	1Y				2Y	3Y	4Y	插头	插座		
		R	5	α	-	-	-	R	5	α	-	-	-	公针芯	母针芯	
				β	-	-	-			β	-	-	-			
				-	-	-				-	-	-				
				-	-	-				-	-	-				