

C SERIES

(OUTDOOR, DOUBLE KEYING SYSTEM (NOTCH AND HALF-SHELL KEYING))

MOCO C series is the second generation of push-pull self-latching connector. The unique design of the double keying system(notch and half-shell keying) enable this series connectors to have a better performance in avoiding cross-mating. Beyond that, C series connectors equip shorter insulators, which will save more installation space for customers. After the cable being soldered onto the connector, we usually overmold it(see below picture), this would make the cable elegant and firm and achieve IP68 easily.



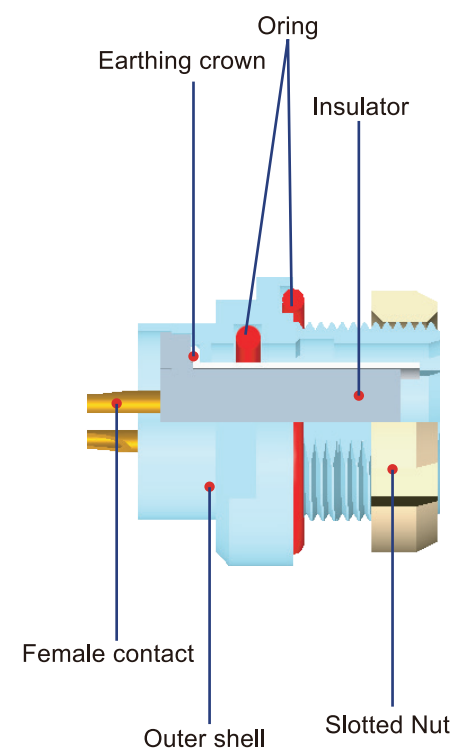
MAIN FEATURES:

1. Security of the push-pull self-latching system
2. Multipole types 2 to 9 contacts
3. IP rate: IP68
4. Double keying system to avoid cross mating
5. Vacuum-tight socket suitable for vacuum equipment
6. 360° screening for full EMC shielding

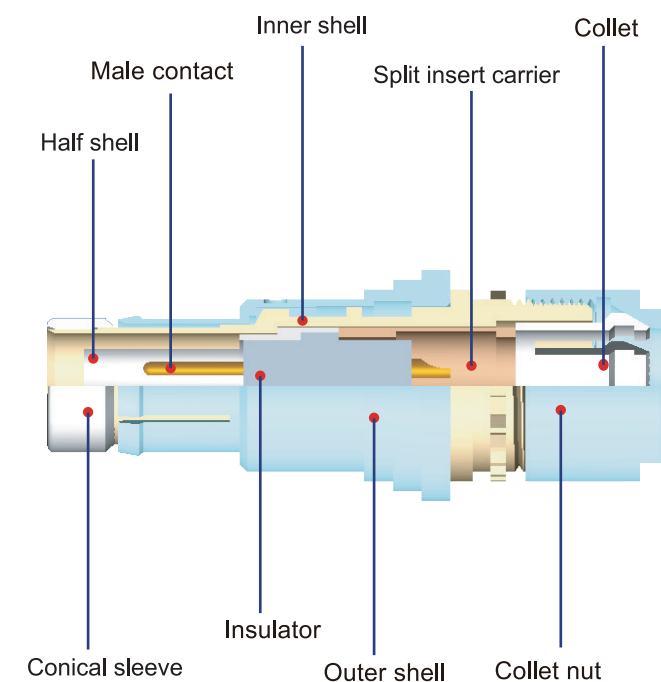
PART SECTION SHOWING INTERNAL COMPONENTS

C series

Fixed socket



Straight plug



Part Numbering System

1.Series: (Page 104)

2.Housing model: (Page 104)

3.Alignment key
0C=B/C/E/F

4.Insert configuration: (Page 105)

5.Housing material
C=Chrome plated brass
K=Black chrome plated brass

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 112)

9.Outer Shell Patterns
4=Circle Pattern

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

11.Earthling tag
0=Without Earthing tag
1=With earthing tag

Plug **0C** **T7** **C** **04** **K** **L** **A** **50** **4** **3** **0**
Fixed socket **0C** **Z20** **C** **04** **K** **L** **L** **00** **0** **0** **0**

PART NUMBER EXAMPLE:

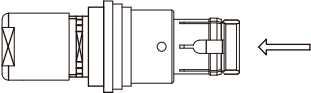
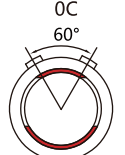
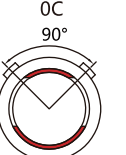
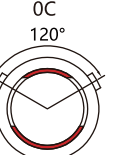
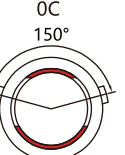
Straight plug with cable collet:

0CT7C04KLA50430=0C series straight plug,key(C) with cable collet, multipole type with 4 contacts, black chrome plated brass outer shell, PPS insulator,solder male contact, collet for 5.0mm diameter cable, circle outer shell pattern, flat collet nut , without earthing tag.

Fixed socket:

0CZ20C04KLL00000=0C series fixed socket, key(G) with cable collet, multipole type with 4 contacts, black chrome plated brass outer shell, PPS insulator, solder female contact, without earthing tag

ALIGNMENT KEY:

Key of plug	Diagram			
				
Key code	B	C	E	F

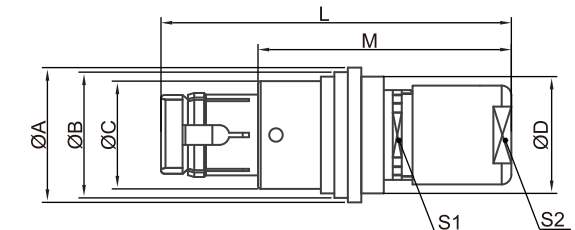
TECHNICAL CHARACTERISTICS

Characteristics	Parameter
Locking Type	push pull self-latching type
Working Temperature	-55°C~ +250°C
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

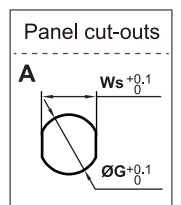
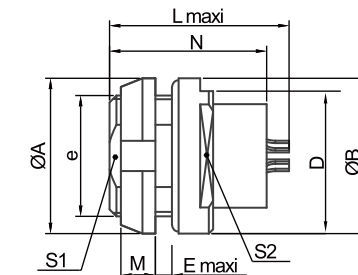
Housing Models

T7 PLUG STRAIGHT PLUG, WITH CABLE COLLET



















Reference		Dimensions(mm)							
Series	Model	L	M	A	B	C	D	S1	S2
0C	T7	32.4	22.4	12	11	10	9	9	8

Z20 SOCKET FIXED SOCKET, BACK PANEL MOUNT, NUT FIXING



Reference		Dimensions(mm)										Panel cut-outs		
Series	Model	L	M	B	A	N	S1	S2	E	D	e	Ws	Ø	Type
0C	Z20	17.3	3	13	12	13.3	8.2	11	1.5	12	M9*0.5	8.3	9.1	A

INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts		Contact ϕ (mm)	Resistance (m Ω)	Rated current (A)	Test voltage (V)	Working voltage (V)
								
0C	02			0.9	6	10	1000	500
	03			0.9	6	8	875	400
	04			0.7	7.5	7	875	300
	05			0.7	7.5	6.5	750	300
	06			0.5	10	2.5	750	300
	07			0.5	10	2.5	750	300
	09			0.5	10	2	600	200