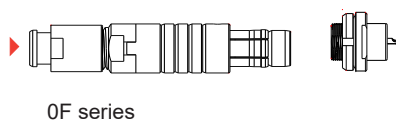
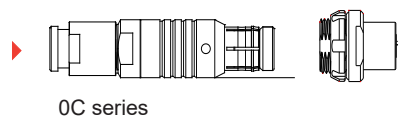
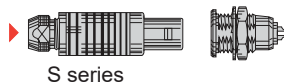


Unipole Coaxial Series

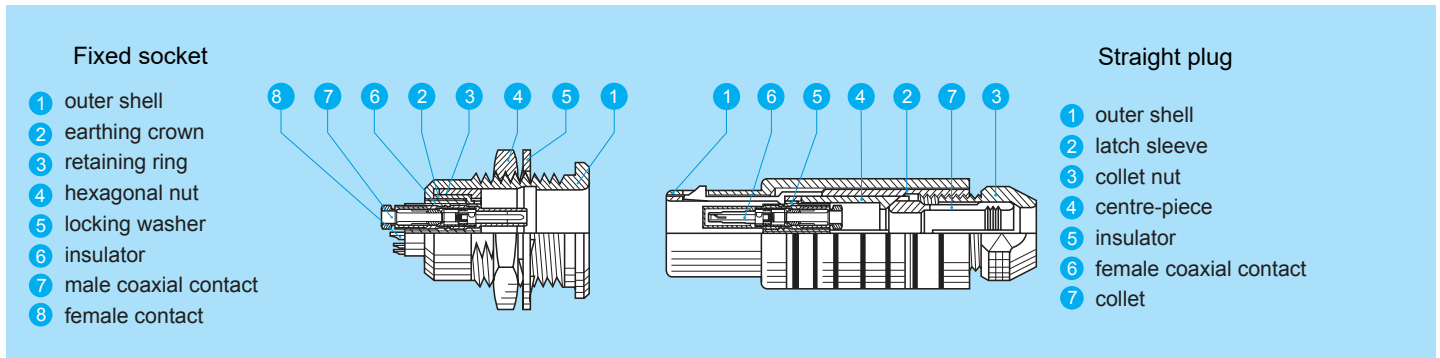
A unipole coaxial connector is generally considered to be an element attached to a cable or mounted on an instrument as an electrical connection or separate component of the transmission line.



Metal housing models (page 96)

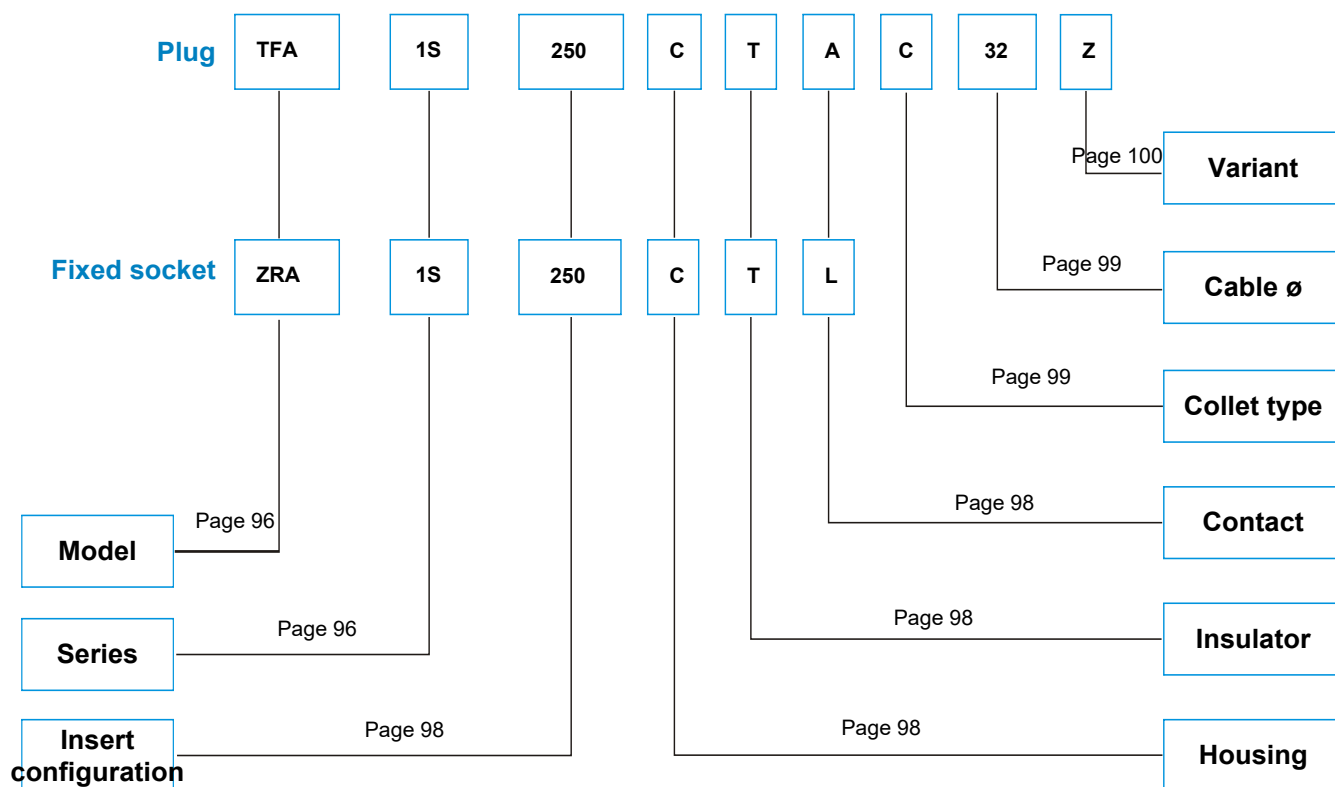


Part Section Showing Internal Components



Unipole Coaxial series connectors have main features as follows:

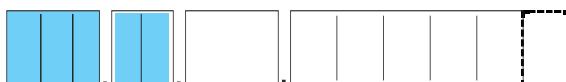
- Small size, quick insertion and security of the Push-Pull self-latching system
- There are straight type, elbow (90°) type and other different types of plugs;
- High frequency: transmission frequency is 3MHZ $\sim$ 30MHZ;
- Many functions: in addition to the role of the bridge, it also has the function of processing signals, such as filtering, phase adjustment, mixing, attenuation, detection, limiting, etc.
- Low standing wave, low loss: meeting the needs of weapon systems and precision measurement;
- Large capacity, high power: mainly to meet the development needs of the information superhighway.

Unipole Coaxial Series Part Numbering System:

part number example
straight plug with cable collet:

TFA.1S.250.CTAC32Z = straight plug with cable collet, 1S series, coaxial (50 Ω), outer shell in chrome-plated brass, PTFE insulator, male solder contacts, C type collet for a 3.2 mm diameter cable and nut for fitting a bend relief.

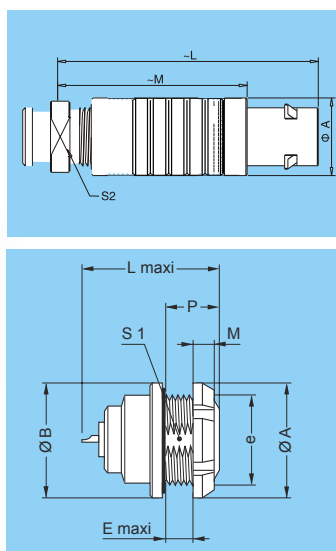
fixed socket:

ZRA.1S.250.CTL = fixed socket, nut fixing, 1S series, coaxial (50 Ω), outer shell in chrome-plated brass, PTFE insulator, female solder contacts.



Metal Housing Models

1E Unipole Coaxial series



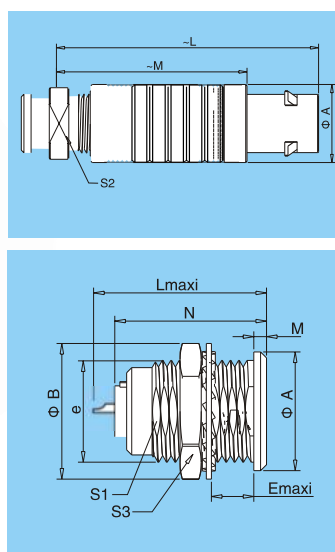
TFA Straight plug, cable collet and nut for fitting a bend relief

Reference	Series	Dimensions (mm)			
		A	L	M	S2
TFA. 1E. 250. CTAC**Z	1E	13	42	28	9

ZRA Fixed socket, nut fixing

Reference	Series	Dimensions (mm)								
		A	B	e	E	L	M	N	P	S1
ZRA. 1E. 250. CTL	1E	20	20	m16x1.0	6.2	27	3.5	25	10	15

S Unipole Coaxial series



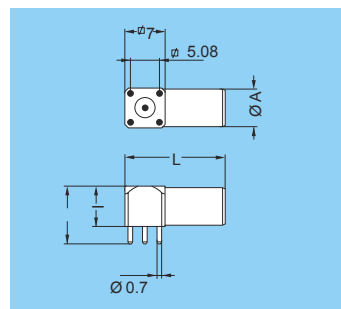
TFA Straight plug, cable collet and nut for fitting a bend relief

Reference	Series	Dimensions (mm)			
		A	L	M	S2
TFA. 00S. ***. CTAC**Z	00S	6.4	26	18	4.5
TFA. 0S. ***. CTAC**Z	0S	8.8	34.5	24.5	6.5
TFA. 1S. ***. CTAC**Z	1S	11.8	42.5	31.5	8.5

ZRA Fixed socket, nut fixing

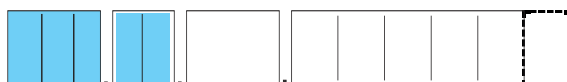
Reference	Series	Dimensions (mm)							
		A	B	e	E	L	M	S1	S2
ZRA. 00S. ***. CTL	00S	8	10.2	m7x0.5	5.5	14.5	1	10	14.
ZRA. 0S. ***. CTL	0S	10	12.4	m9x0.6	7	17.5	1.2	8.2	11
ZRA. 1S. ***. CTL	1S	14	15.8	m12x1.0	7.5	20.2	1.5	10.5	14

ZPL Elbow (90°) socket(00S series)



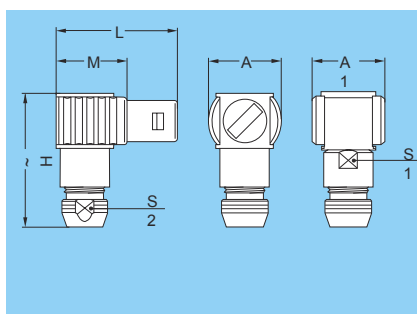
ZPL Elbow (90°) socket for printed circuit with two nuts,

Reference	Series	Dimensions (mm)		
		A	H	I
ZRA. 00S. ***. CTL	00S	6.5	10	7



Metal Housing Models

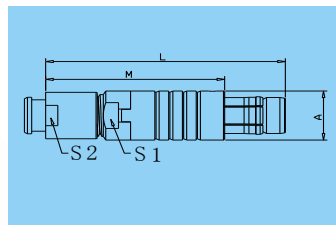
TLA Elbow (90°) plug(1S,2S series)



TLA Elbow (90°) plug, cable collet

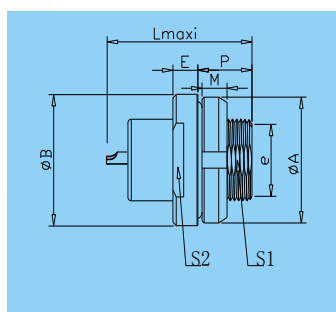
Reference	Series	Dimensions (mm)						
		A	A1	H	L	M	S1	S2
TLA. 1S. ***, CTAC52	1S	16	16	28.5	26.5	15.5	10	8.5
TLA. 2S. ***, CTAC72	2S	20	20	37	31	19	13	11

0F Unipole Coaxial series



TGG Straight plug, cable collet and nut for fitting a bend relief

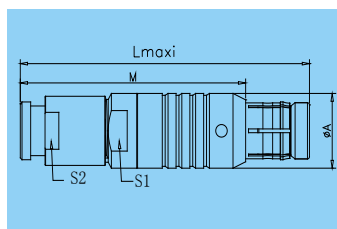
Reference	Series	Dimensions (mm)			
		A	L	M	S1
TGG. 0F. ***, CTAC**Z	0F	9	36	26	7



MEG Fixed socket, nut fixing

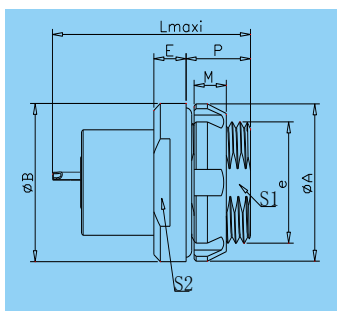
Reference	Series	Dimensions (mm)								
		A	B	e	E	L	M	P	S1	S2
MEG. 0F. ***, CTL	0F	11.5	13	m9x1.0	3	21	3	6.5	8.2	12

0C Unipole Coaxial series



TGG Straight plug, cable collet and nut for fitting a bend relief

Reference	Series	Dimensions (mm)			
		A	L	M	S1
TGG. 0C. ***, CTAC**Z	0C	9	36	26	7



MEG Fixed socket, nut fixing

Reference	Series	Dimensions (mm)								
		A	B	e	E	L	M	P	S1	S2
MEG. 0C. ***, CTL	0C	11.5	13	m9x1.0	3	21	3	6.5	8.2	12

[illegible]

Series	Reference	Contact Type	Test voltage	Test voltage	Rated current	contact diameter (ø A)
00S	113	solder	800V	1200V	8A	1.3mm
	250	solder	2100V	3000V	4A	0.7mm
0S , 0C , 0F	116	solder	1500V	2100V	12A	1.6mm
	250	solder	3000V	4200V	6A	0.9mm
1S	120	solder	1700V	2400V	18A	2.0mm
	250	solder	3000V	4200V	12A	1.6mm
	275	solder	2400V	3300V	10A	1.3mm
1E	250	solder	3000V	4200V	12A	1.6mm
2S	250	solder	3000V	4200V	40A	1.6mm

➤➤➤ **Housings**
(Unipole Coaxial series)

[illegible]

Ref.	Outer shell and collet nut		Latch sleeve + earthing crown		Other metallic components		Note
	Material	Surf. treatment	Material	Surf. treatment	Material	Surf. treatment	
C	Brass	chrome	brass/bronze	nickel	Brass	nickel	First choice alternative
N	Brass	chrome	brass/bronze	nickel	Brass	nickel	
H	Brass	black chrome	brass/bronze	nickel	Brass	nickel	
S	Stainless steel 304	anodized	brass/bronze	-	Brass	nickel	
L	Stainless steel 316L	anodized	Stainless steel 316L	-	Stainless steel 316L	-	
T	Brass	satin nickel	brass/bronze	nickel	Brass	nickel	
G	Brass	brown and black	brass/bronze	nickel	Brass	nickel	
F	Brass	High phosphorus chemical nickel	brass/bronze	nickel	Brass	nickel	
Z	Aluminium alloy	High phosphorus chemical nickel	brass/bronze	nickel	Brass	nickel	
Y	Brass	golden yellow	brass/bronze	nickel	Brass	nickel	

➤➤➤ Insulators (Unipole Coaxial series)

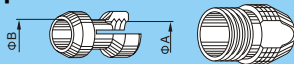
[illegible]

Ref.	Material	Contact type	Note
T	Teflon	Solder or print	First choice alternative
L	PPS	Solder or print	

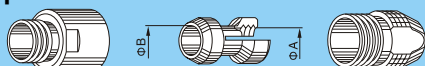


C, K and L type collets for S series

C type



K type



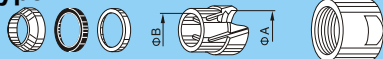
L type



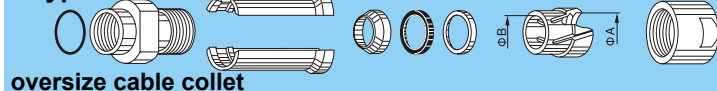
Reference			Collet ø		Cable ø	
Type	Code		Φ A	Φ B	max.	min.
00	C 27		2.7	–	2.6	2.2
	K 37		3.7	–	3.6	3.0
0S	C 27		2.7	–	2.6	2.2
	C 32		3.2	–	3.1	2.7
	C 42		4.2	3.7	4.1	3.3
	K 47		4.7	–	4.6	3.8
1S	C 32		3.2	–	3.1	2.6
	C 42		4.2	–	4.1	3.3
	C 47		4.7	–	4.6	3.8
	C 52		5.2	–	5.1	4.3

C, K type collets for E series

C type



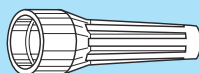
K type



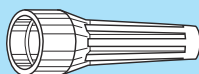
oversize cable collet

1E

Reference			Collet ø		Cable ø	
Type	Code		Ø A	Ø B	max.	min.
C	15		1.6	-	1.5	1.3
C	20		2.2	-	2.0	1.6
C	25		3.2	-	2.5	2.1
C	30		3.2	-	3.0	2.6
C	35		4.2	-	3.5	3.1
C	40		4.2	-	4.0	3.6
C	45		5.2	-	4.5	4.1
C	50		5.2	-	5.0	4.6
C	55		6.2	6.2	5.5	5.1
C	60		6.2	6.2	6.0	5.6
C	65		7.2	6.7	6.5	6.1
K	70		7.2	-	7.0	6.6
K	75		8.2	8.2	7.5	7.1
K	80		8.2	8.2	8.0	7.6
K	85		9.2	8.6	8.5	8.1

[illegible]

**Need to be ordered
separately
(see page 108)**



**Need to be ordered
separately
(see page 108)**

Note: all dimensions are in millimetres.