F SERIES

(OUTDOOR HALF-SHELL)

ELEKTRONIK s.r.o.

MACO® PUSH-PULL CONNECTOR

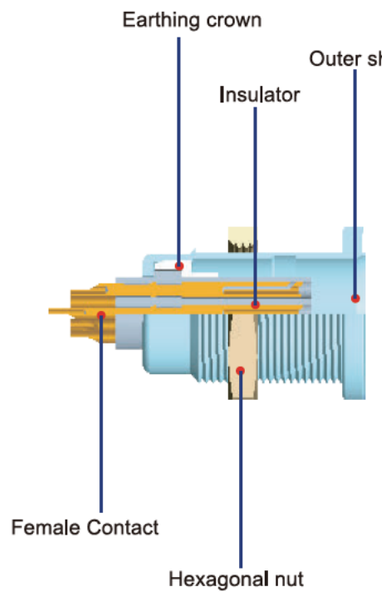
MAIN FEATURES:

1. Security of the push –pull self-latching system
2. Multipole types 2 to 19 contacts
3. Solder or PCB contacts (straight or elbow)
4. High Packing density for space saving
5. Half-shell key to avoid cross mating
6. 360° screening for full EMC shielding
7. Vacuum-tight socket suitable for vacuum equipment

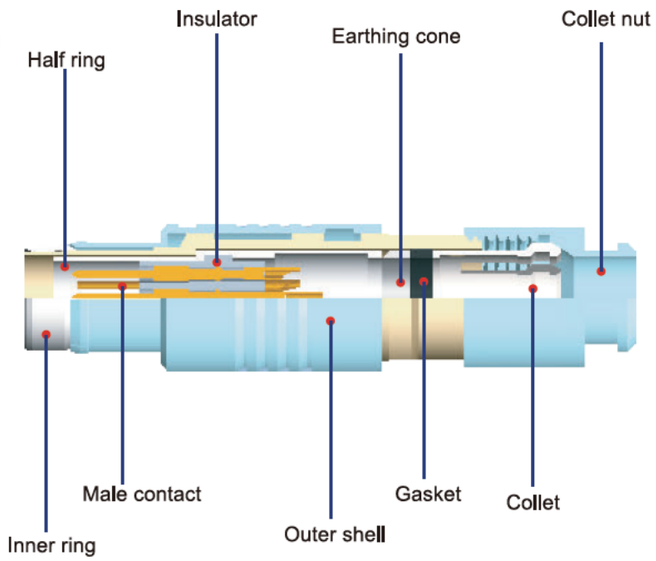
PART SECTION SHOWING INTERNAL COMPONENTS

F series

Fixed socket



Straight plug



Part Numbering System

Plug	1F	T1	G	06	C	L	A	52	N
Free socket	1F	Z4	G	06	C	L	L	52	
Fixed socket	1F	Z1	G	06	C	L	L		

1.Series:(Page 84)

2.Housing model:(Page 84)

3.Alignment key:(Page 92)

4.Insert configuration:(Page 90)

5.Housing material
C=Chrome plated brass
K=Black Chrome plated brass
N=Nickel plated brass
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 92)

9.Bend relief color, blank if without bend relief
N=Black ,G=Grey ,A=Blue
R=Red ,J=Yellow ,V=Green:(Page 145)

PART NUMBER EXAMPLE:

Straight plug with cable collet:

0FT1G06CLA52N=0F series straight plug with single half-shell key(G) and cable collet, multipole type with 6 contacts, outer shell in chrome plated brass, PPS insulator, solder male contacts, collect for 5.0mm diameter cable with a black bend relief.

Free socket:

0FZ4G06CLL52=0F series free socket with single half-shell key(G) and cable collet, multipole type with 6 contacts, outer shell in chrome plated brass, PPS insulator, solder female contacts, collect for 5.0mm diameter cable.

Fixed socket:

0FZ13G06CLL=0F series fixed socket, nut fixing, with single half-shell key(G), Multipole type with 6 contacts, outer shell in chrome plated brass, PPS insulator, solder female contacts.

F SERIES

TECHNICAL CHARACTERISTICS

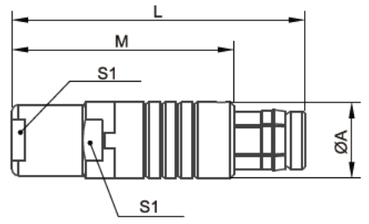
Characteristics	Parameter
Locking Type	push pull self-latching type
Working Temperature	-55°~+250°
Maximum Humidity	up to 95% at 60°/140°F
Shielding Efficiency	75dB(10MHz) 40dB(1GHz)
Resistance to Vibration	15g[10Hz~2000Hz]

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

Housing Models

T1 PLUG

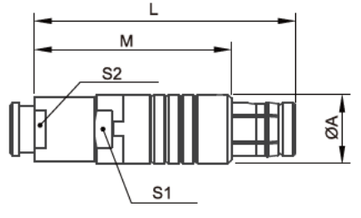
STRAIGHT PLUG, WITH HAL-SHELL KEY (G OR A), CABLE COLLET



		A	L	M	S1	S2
0F	T1	9.5	38	28	8	8
1F	T1	12	46.6	35.6	9	9
2F	T1	15	50.3	38	13	13
3F	T1	18.7	58	43.4	16	17
4F	T1	28.6	94	68.8	25	25

T1 PLUG

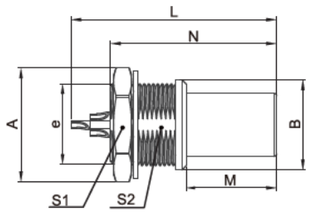
STRAIGHT PLUG, WITH HAL-SHELL KEY (G OR A), CABLE COLLET AND NUT FOR FITTING A BEND RELIEF

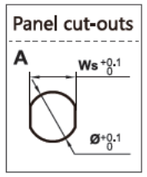


Reference		Dimensions(mm)				
Series	Model	A	L	M	S1	S2
0F	T1	9.5	36	26	8	8
1F	T1	12	45	34	9	9
2F	T1	15	50	37.5	13	13
3F	T1	18.7	58	44.2	16	17

F SERIES

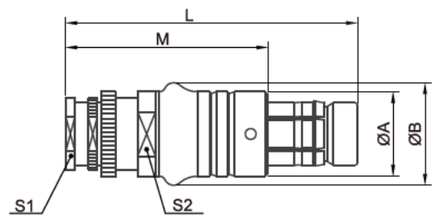
T2 PLUG
FIXED PLUG, HALF-SHELL KEY(G OR A), CABLE COLLET





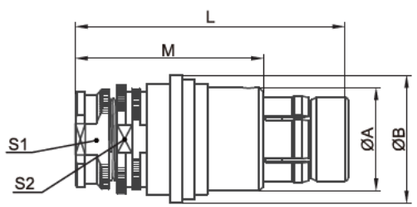
Reference		Dimensions(mm)								Panel cut-outs		
Series	Model	A	B	L	M	N	S1	S2	e	Ws	Ø	Type
0F	T2	12.6	10.0	21	10.0	18.4	11.0	8.2	M9*0.5	8.5	9.1	A
15F	T2	19.0	18.8	30	10	26	17.0	12.0	M14*1.0	12.0	14.1	A

T7 PLUG
STRAIGHT PLUG, WITH HAL-SHELL KEY (G OR A), CABLE COLLET



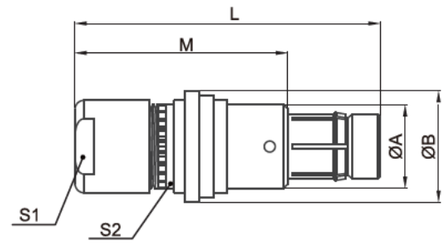
Reference		Dimensions(mm)					
Series	Model	A	B	L	M	S1	S2
0F	T7	9.4	11.4	32.5	22.5	8	7

T7 PLUG
SHORT TYPE STRAIGHT PLUG, WITH HALF-SHELL KEY (G OR A), CABLE COLLET



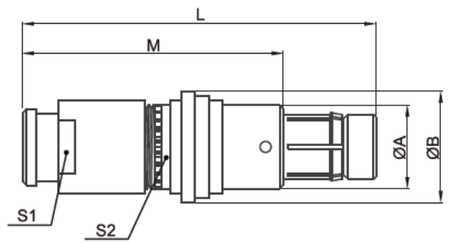
Reference		Dimensions(mm)					
Series	Model	L	A	M	B	S1	S2
1F	T7	32.8	11.8	22	15	10	11
15F	T7	33.2	12.5	23.2	15.5	10	11

TX PLUG
SHORT TYPE STRAIGHT PLUG, WITH HALF-SHELL KEY (G OR A), CABLE COLLET



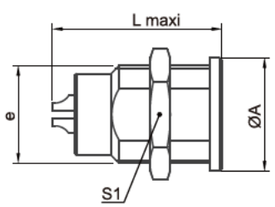
Reference		Dimensions(mm)					
Series	Model	A	B	M	L	S1	S2
0F	TX	9	12	23.5	33.5	8	9

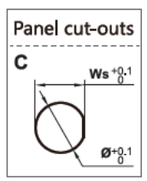
TX PLUG
SHORT TYPE STRAIGHT PLUG, WITH HAL-SHELL KEY (G OR A), CABLE COLLET NUT FOR FITTING A BEND RELIEF



Reference		Dimensions(mm)					
Series	Model	A	B	M	L	S1	S2
0F	TX	9	12	26.5	36.5	8	9

Z1 SOCKET
FIXED SOCKET, PANEL MOUNT, NUT FIXING, WITH HALF-SHELL KEY (G OR A)



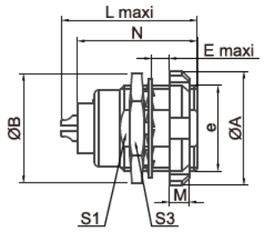


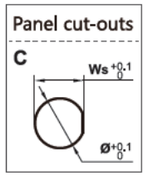
Reference		Dimensions(mm)					Panel cut-outs		
Series	Model	L	A	K	S	e	Ws	Ø	Type
0F	Z1	22	11	8.4	11	M9*0.5	8.5	9.1	C
1F	Z1	23.8	14	11.1	14	M12*1.0	11.2	12.1	C

F SERIES

Z2 SOCKET

TWO NUTS FIXED SOCKET, WITH HALF-SHELL KEY (G OR A)

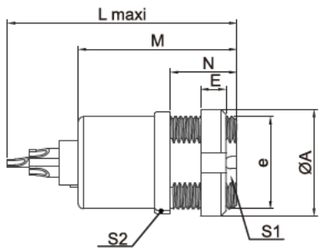


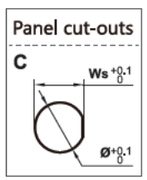


Reference		Dimensions(mm)									Panel cut-outs		
Series	Model	A	B	E	M	P	N	L	S1	e	Ws	Ø	Type
0F	Z2	12	22	2.5	3.5	7	16.0	22.5	12.5	M9*0.5	8.5	9.1	C
1F	Z2	16	27.7	5.5	3.0	10	21.5	30.0	14.5	M12*1.0	11.2	12.1	C

Z3 SOCKET

FIXED SOCKET,BACK PANEL MOUNT, NUT FIXING, WITH HALF-SHELL KEY (G OR A)

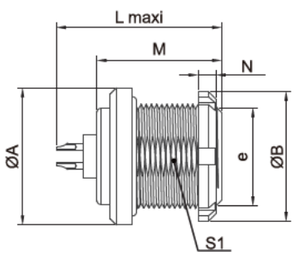


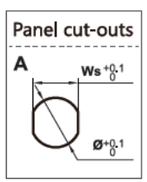


Reference		Dimensions(mm)							Panel cut-outs		
Series	Model	A	E	L	M	N	S1	S2	e	Ws	Ø	Type
0F	Z3	12	2.5	21	15.5	6.5	8.4	10	M9*0.5	8.5	9.1	C

Z3 SOCKET

FIXED SOCKET,BACK PANEL MOUNT, NUT FIXING, WITH HALF-SHELL KEY (G OR A)

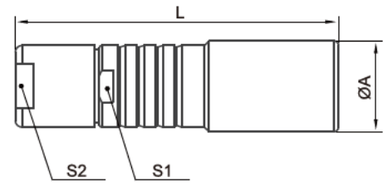




Reference		Dimensions(mm)							Panel cut-outs		
Series	Model	A	B	L	M	N	S1	e	Ws	Ø	Type
1F	Z3	18.5	18	23.5	16.8	3.5	12.5	M14*1.0	12.1	14.1	A

Z4 SOCKET

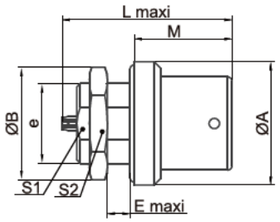
FREE SOCKET, CABLE MOUNT, KEY (G OR A), CABLE COLLET AND NUT FOR FITTING A BEND RELIEF

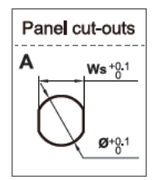


Reference		Dimensions(mm)			
Series	Model	A	L	S1	S2
0F	Z4	10	34	8	8
1F	Z4	12.8	45	10	9
2F	Z4	19	53	13	13
3F	Z4	23	65	16	15

Z6 SOCKET

FIXED SOCKET, VACUUM-TIGHT , BACK PANEL MOUNT, WITH HALF-SHELL KEY (G OR A)

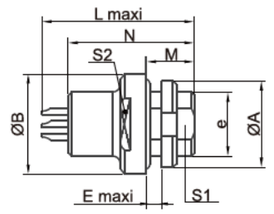


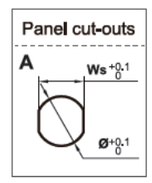


Reference		Dimensions(mm)									Panel cut-outs		
Series	Model	A	B	E	M	L	S1	S2	e		Ws	Ø	Type
0F	Z6	13.9	12.5	5.0	10.2	23	8	11	M9*0.5		8.3	9.1	A
1F	Z6	18.8	19.2	4.0	13.2	23.5	12	17	M14*1.0		12.1	14.1	A
2F	Z6	21.8	22	3.5	16	25.5	14.5	19	M16*1.0		14.6	16.1	A
4F	Z6	39.8	38	6	25.5	50.5	30.8	23	M32*1.0		30.9	32.1	A

Z13 SOCKET

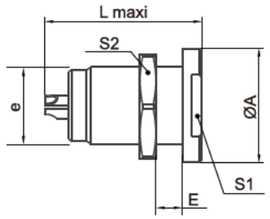
FIXED SOCKET, VACUUM-TIGHT, BACK PANEL MOUNT, WITH HALF-SHELL KEY (G OR A)

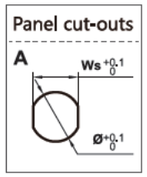




Reference		Dimensions(mm)									Panel cut-outs		
Series	Model	L	A	B	N	E	M	S1	S2	e	Ws	Ø	Type
0F	Z13	21	12	14	18.5	3	6	8.2	11	M9*0.5	8.3	9.1	A
1F	Z13	24.7	18	19	21	2.5	6	12.3	15	M14*1.0	12.1	14.1	A
15F	Z13	24.5	17.9	18.8	19.5	3.5	7	12	15	M14*1.0	12.1	14.1	A
2F	Z13	25.1	20	22	21.6	4	8	15	17	M16*1.0	14.6	16.1	A

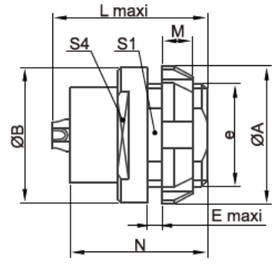
Z16 SOCKET FIXED SOCKET, VACUUM-TIGHT, PANEL-MOUNT, NUT FIXING, WITH HALF-SHELL KEY (G OR A)





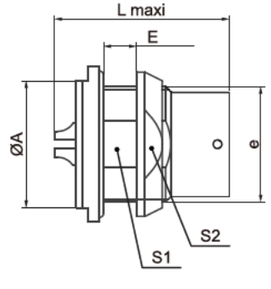
Reference		Dimensions(mm)							Panel cut-outs		
Series	Model	A	B	L	E	S1	S2	e	Ws	Ø	Type
0F	Z16	14	3.5	17.8	6.5	9	12	M10*0.5	9.1	10.1	A
1F	Z16	18.5	4.0	24.7	12	14	17	M14*1.0	12.1	14.1	A
2F	Z16	21.8	3.5	25.5	8.5	14.8	19	M16*1.0	14.6	16.1	A

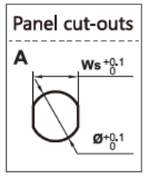
Z20 SOCKET FIXED SOCKET, VACUUM-TIGHT, BACK PANEL MOUNT, WITH HALF-SHELL KEY (G OR A)



Reference		Dimensions(mm)									Panel cut-outs		
Series	Model	A	B	E	L	M	N	S1	S4	e	Ws	Ø	Type
0F	Z20	12	12	3.5	17	2.5	13.6	8.2	11	M9*0.5	8.3	9.1	A

ZX SOCKET FIXED SOCKET, VACUUM-TIGHT, BACK PANEL MOUNT, WITH HALF-SHELL KEY (G OR A)





Reference		Dimensions(mm)						Panel cut-outs		
Series	Model	A	L	E	S1	S2	e	Ws	Ø	Type
3F	ZX	22	30	7	18.3	22	M20*1.0	18.4	20.1	A

INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts Male	Solder contacts Female	Contact ø(mm)	Resistance (mΩ)	Rated current (A)	Test voltage (V)	Working voltage (V)
0F	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
	13			0.4	10	2	600	200
1F	02			1.3	5	15	1500	500
	03			1.3	5	12	1300	430
	04			0.9	6	10	1300	430
	05			0.9	6	9	1250	415
	06			0.7	7.5	7	1050	350
	07			0.7	7.5	7	950	315
	08			0.7	7.5	5	950	315
	10			0.5	1.0	2.5	900	300

INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts Male	Solder contacts Female	Contact ø(mm)	Resistance (mΩ)	Rated current (A)	Test voltage (V)	Working voltage (V)
1F	12			0.5	10	2	800	260
	14			0.5	10	2	800	260
15F	10			0.7	7.5	4.5	1500	500
	12			0.7	7.5	4.2	1500	500
	19			0.7	10	2.5	900	300
2F	03			1.6	4	17	2400	800
	04			1.3	5	15	1850	810
	05			1.3	5	14	1750	580
	08			1.3	5	12	1500	500
	09 1			1.3	5	12	2200	730
	09 8			0.9	6	6	1500	500
	16			0.7	7.5	6	950	315
3F	02			3.0	6	35	2100	700
	04			2.0	3	20	1800	320
	07 1			2.0	5	12	2200	730
	07 6			1.3	6	6	1500	500
	15			0.9	6	5.3	1600	250
4F	12			2.0	3	16	2200	500

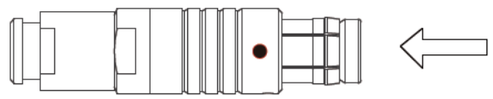
F SERIES

INSERT CONFIGURATION (Coaxial hybrid)

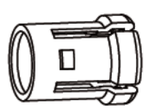
Series	Code	Number of contacts	Solder contacts Male	Solder contacts Female	Contact ø(mm)	Resistance (mΩ)	Rated current (A)	Test voltage (V)	Working voltage (V)	Impedanc (Ω)
2F	804	4			0.7	6	7	900	400	-
		1 Coax			1.3	5	15	1850	610	50

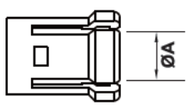
CACULATION METHOD: WORKING VOLTAGE= TEST VOLTAGE/3

ALIGNMENT KEY

The location of the plug	Legend	
	Single chip positioning 	Double chip positioning 
Key location code	G	A

COLLET (The material of collet is nickel plated brass)





Code	ColletØA (mm)	Cable DiaØ(mm) min.	Cable DiaØ(mm) max.	Series 0F	1F	15F	2F	3F
30	3.0	2.6	3.0	●	●			
37	3.7	3.2	3.7	○				
40	4.0	3.6	4.0	●	●			
45	4.5	4.6	5.0	○				
50	5.0	5.1	5.5	●	●	○	●	
52	5.2	4.8	5.2	○				
60	6.0	5.6	6.0		●	○	●	●
65	6.5	6.1	6.5	○				
70	7.0	6.1	7.0					●
77	7.7	7.1	7.7				●	

○ Protection index(mated):IP50&IP68
● Protection index(mated):IP68

F SERIES

C SERIES

(OUTDOOR KEYED &HALF-SHELL KEYED)

ELEKTRONIK s.r.o.

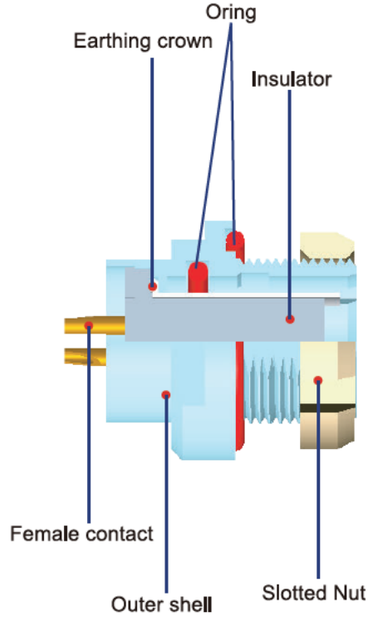
MAIN FEATURES:

1. Security of the push-pull self-latching system
2. Multipole types 2 to 16 contacts
3. IP rate: IP68
4. Double half-shell keyed to avoid cross mating
5. Vacuum-tight socket suitable for vacuum equipment
6. 360° screening for full EMC shielding

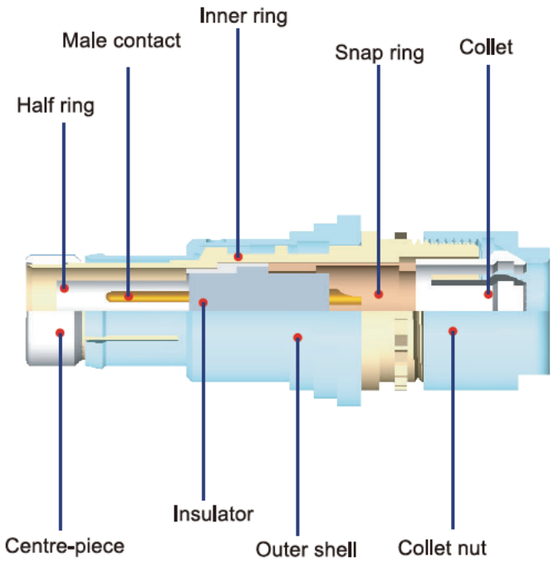
PART SECTION SHOWING INTERNAL COMPONENTS

C series

Fixed socket



Straight plug



Part Numbering System

Plug	1C	T7	A	03	K	L	A	52
Fixed socket	1C	Z20	A	03	K	L	L	

1. Series:(Page 96)
2. Housing model:(Page 96)
3. Alignment key
   0C=B/C/E/F
   1C=A
4. Insert configuration:(Page 98)
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 105)

PART NUMBER EXAMPLE:

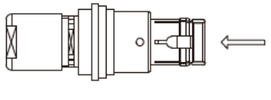
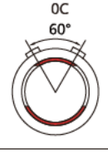
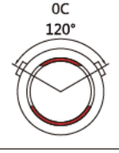
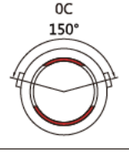
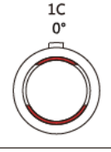
Straight plug with cable collet:

1CT7A04KLA52=1C Series straight plug with key(A) and cable collet, multipole type with 4 contacts, outer shell in black chrome plated brass, PPS insulator, solder male contacts, collet for 5.0mm diameter cable.

Fixed socket:

1CZ20A04KLL=1C series fixed socket, nut fixing, multipole type with 4 conacts, outer shell in black chrome plated brass, solder female contacts

ALIGNMENT KEY:

Key of plug	Diagram				
	 0C 60°	 0C 90°	 0C 120°	 0C 150°	 1C 0°
Key code	B	C	E	F	A

TECHNICAL CHARACTERISTICS

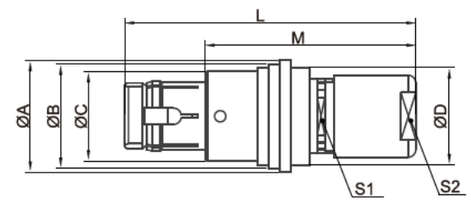
Characteristics	Parameter
Locking Type	push pull self-latching type
Working Temperature	-55°C~ +250°C
Maximum Humidity	up to 95% at 60°/140°F
Shielding Efficiency	75dB(10MHz) 40dB(1GHz)
Resistance to Vibration	15g[10Hz~2000Hz]

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

Housing Models

T7 PLUG

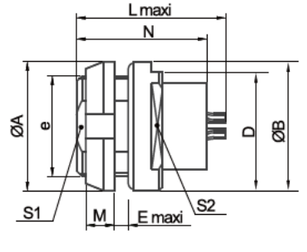
STRAIGHT PLUG, WITH CABLE COLLET AND NUT FOR FITTING A BEND RELIEF

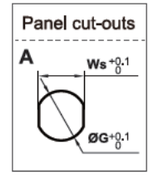


Reference		Dimensions(mm)							
Series	Model	L	M	A	B	C	D	S1	S2
0C	T7	32.4	22.4	12	11	10	9	9	8
1C	T7	40	29	15	14	12	13	10	9

Z20 SOCKET

FIXED SOCKET, FRONT 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
1C	Z20	22.2	4	18	18	18.2	12	15	2.0	/	M14*1.0	12.1	14.1	A

INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts Male	Solder contacts Female	Contact ø(mm)	Resistance (mΩ)	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
	13			0.4	10	2	600	200

INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts Male	Solder contacts Female	Contact ø(mm)	Resistance (mΩ)	Rated current (A)	Test voltage (V)	Working voltage (V)
1C	02			1.3	5	15	1500	500
	03			1.3	5	12	1300	430
	04			0.9	6	10	1300	430
	05			0.9	6	9	1250	415
	06			0.7	7.5	7	1050	350
	07			0.7	7.5	7	950	315
	08			0.7	7.5	5	950	315
	10			0.5	10	2.5	900	300
	12			0.5	10	2	800	260
	14			0.5	10	2	800	260
	16			0.5	10	1.5	800	260

CACULATION METHOD: WORKING VOLTAGE= TEST VOLTAGE/3

U SERIES

(OUTDOOR KEYED)

ELEKTRONIK s.r.o.

MOCO® PUSH-PULL CONNECTOR

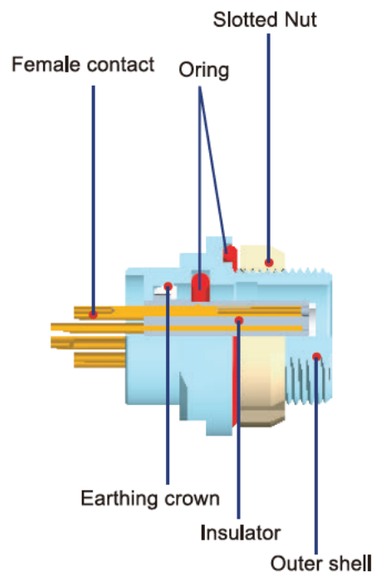
MAIN FEATURES:

1.Security of the push-pull self-latching system
2.Multipole types 2 to 16 contacts
3. IP rate: IP68
4. High Packing density for space saving
5. Solder or PCB contacts (straight or elbow)
6. 360° screening for full EMC shielding
7. High Packing density for space saving

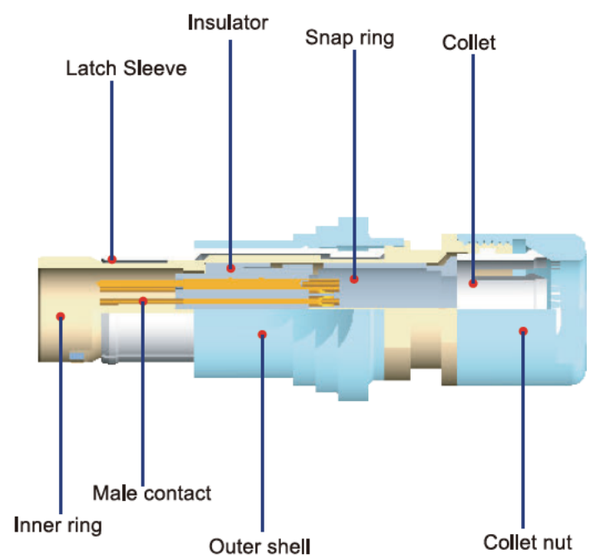
PART SECTION SHOWING INTERNAL COMPONENTS

U series

Fixed socket



Straight plug



Part Numbering System

Plug	0U	T7	A	04	K	L	A	52
Free socket	0U	Z4	A	04	K	L	L	52
Fixed socket	0U	Z20	A	04	K	L	L	

1. Series:(Page 102)
2. Housing model:(Page 102)
3. Alignment key:(Page 103
4. Insert configuration:(Page 104)
5. Housing material
   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 105)

PART NUMBER EXAMPLE:

Straight plug with cable collet:

0UT7A09KLA52= 0U Short type straight plug with key(A) and cable collet, multipole type with 9 contacts, outer shell in black chrome plated brass, PPS insulator, solder male contacts, collet for 5.0mm diameter cable.

Free Socket:

0UZ4A09KLL52=0U Free socket with key(A) and cable collet, multipole type with 9 contacts, outer shell in black chrome plated brass, PPS insulator, solder female contacts, collet for 5.0mm diameter cable.

Fixed socket:

0UZ20A09KLL=0U series fixed socket, nut fixing, multipole type with 9 conacts, outer shell in black chrome plated brass, solder female contacts

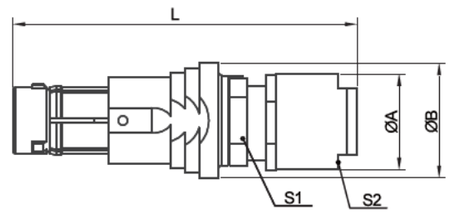
TECHNICAL CHARACTERISTICS

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	10000 cycles
Protection index(mated)	IP68

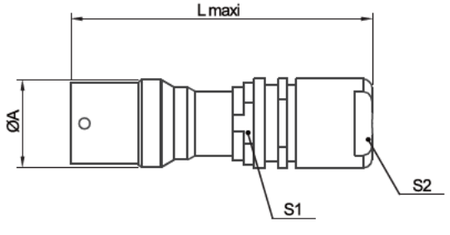
Housing Models

T7 PLUG　STRAIGHT PLUG, WITH MULTIPOLE KEY , CABLE COLLET



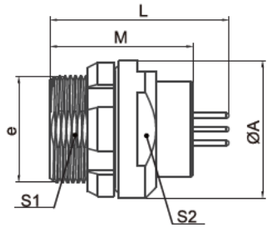
Reference		Dimensions(mm)				
Series	Model	L	A	B	S1	S2
00U	T7	31.0	10.0	10.5	6.5	7.0
0U	T7	36.0	10.0	12.0	8.0	7.0

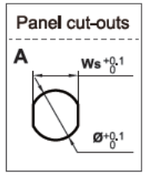
Z20 SOCKET　FREE SOCKET, CABLE MOUNT, CABLE COLLET



Reference		Dimensions(mm)			
Series	Model	L	A	S1	S2
0U	Z4	33.6	9.8	8	7

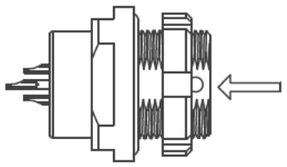
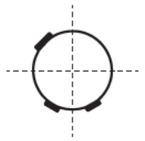
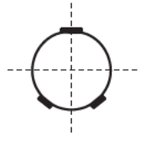
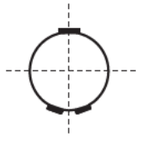
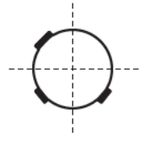
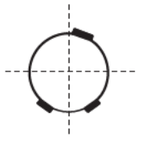
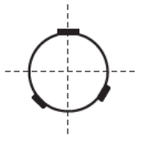
Z20 SOCKET FIXED SOCKET, VACUUM-TIGHT, BACK PANEL MOUNT





Reference		Dimensions(mm)						Panel cut-outs		
Series	Model	L	A	E	S1	S2	e	Ws	Ø	Type
00U	Z20	15.0	10.0	12.5	6.3	8.0	M7*0.5	6.4	7.1	A
0U	Z20	18.4	13.0	13.5	9.4	11.0	M9*0.5	8.0	9.1	A

ALIGNMENT KEY:

Front view of socket	A	B	C
			
	D	E	F
			

INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts Male	Solder contacts Female	Contact ø(mm)	Resistance (mΩ)	Rated current (A)	Test voltage (V)	Working voltage (V)
00U	02			0.5	10	5	1000	330
	03			0.5	10	3	800	260
	04			0.5	10	2	800	260
	05			0.35	10	1.7	700	200
0U	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
	13			0.4	10	2	600	200

CACULATION METHOD: WORKING VOLTAGE= TEST VOLTAGE/3

MACO® PUSH-PULL CONNECTOR

COLLET (C,U SERIES) (The material of collet is nickel plated brass)

FOR C SERIES

Code	ColletØA (mm)	Cable DiaØ(mm)		Series		
		min.	max.	0C	1C	3C
32	3.2	2.7	3.2	●	●	
42	4.2	3.7	4.2		●	
45	4.5	4.0	4.5	●		
52	5.2	4.7	5.2	●	●	
56	5.6	5.1	5.6	●		
62	6.2	5.7	6.2		●	
65	6.5	6.0	6.5	●		●
73	7.3	6.8	7.3			●

FOR U SERIES

Code	ColletØA (mm)	Cable DiaØ(mm)		Series	
		min.	max.	00U	0U
32	3.2	2.7	3.2	●	
45	4.5	4.0	4.5	●	●
50	5.0	4.6	5.0	●	●
55	5.5	5.0	5.5	●	●
60	6.0	5.6	6.0	●	●

U SERIES

T SERIES

(OUTDOOR YLH BAYONET CONNECTOR)

MIL–DTL–26482 SERIES I CONNECTOR

MIL–DTL–26482 Ser. I Connectors Uses a quick disconnect bayonet Coupling and 5 keyways

1T SERIES

0T SERIES

MAIN FEATURES:

1.Bayonet type
2.Multipole types 2 to 9 contacts
3.Quick conect and disconnect
4.5 keyways to avoild mismatching
5.Small size, high density and high reliability
6.Suitable for harsh environment
7. Vacuum-tight
Socket: differential pressure1.01*10Pa, No bubble leakage for 1 minute
Plug and socket mated: 2h without seepage under 1m water

TECHNICAL CHARACTERISTICS

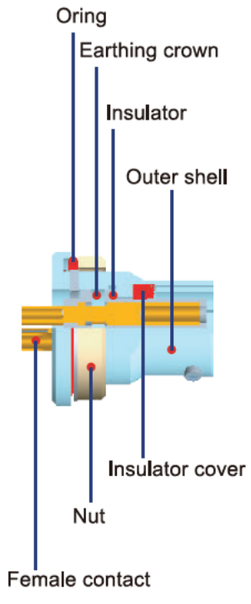
Characteristics	Parameter
Locking Type	Bayonet Type
Working Temperature	-55°C~ +125°C
Maximum Humidity	up to 95% at 60°/140°F
Working Pressure	4.39KPa-101.33KPa
Shielding Efficiency	75dB(10MHz) 40dB(1GHz)
Resistance to Vibration	15g[10Hz~2000Hz]
Salt spray corrosion test	48hr
Shock resistance	100g,6ms
Endurance	2000 cycles

T SERIES

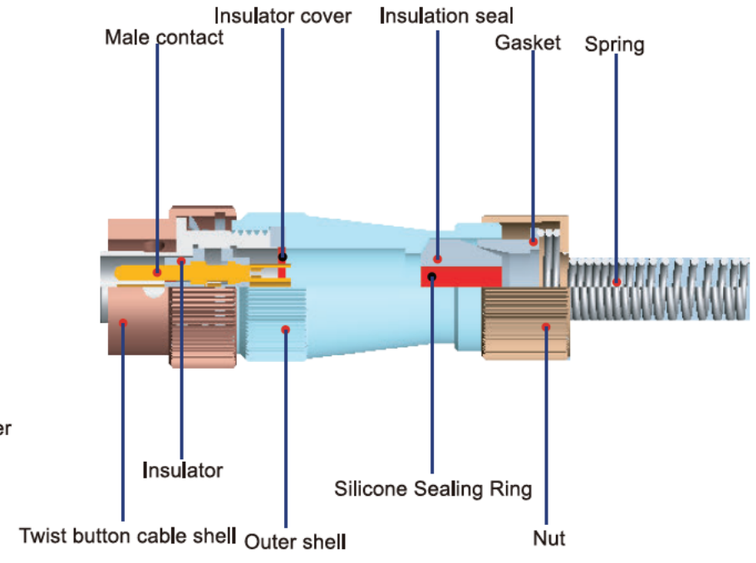
PART SECTION SHOWING INTERNAL COMPONENTS

T series

Fixed socket



Straight plug



Part Numbering System

Plug	0T	T1	X	03	R	P	A	40	T
Fixed socket	0T	Z1	X	03	R	P	L		

1.Series:(Page 118)

2.Housing model:(Page 118)

3.Alignment key:(Page 118)

4.Insert configuration:(Page 119)

5.Housing material
R= Black Anodized Aluminum Alloy
(Non Conductive Shell)
N= Electroless Nickel Plating On Aluminum Alloy
H= Black Chromium Plating On Aluminum Alloy

6.Insulator material
P=PBT

7.Contact type
A=Solder male
L=Solder female
N=Print female

8.Cable OD

9. Tail Attachment
T= Spring Tail N= Rubber Tail

T SERIES

PART NUMBER EXAMPLE:

Plug with Spring Tail:

0TT1X04RPA50T=0T series plug with key(X) and spring tail, multipole type with 4 contacts, outer shell in black anodized, PBT insulator, solder male contacts, collet for 5.0mm diameter cable.

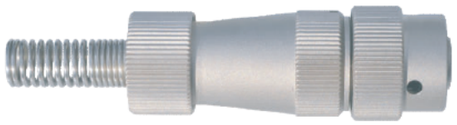
Nut Fixed Socket:

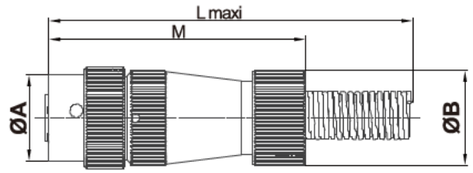
0TZ1X04RPL=0T series Fixed socket with key(X), nut fixed, multipole type with 4 contacts, out shell in black anodized, PBT insulator, solder female contacts.

Housing Models

T1 PLUG

PLUG WITH SPRING TAIL, KEY(X) OR KEY (Y)

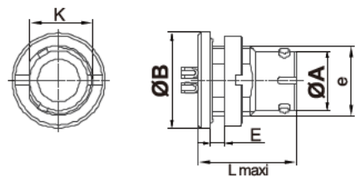


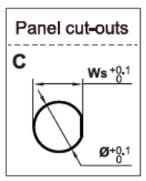


Reference		Dimensions(mm)			
Series	Model	A	L	M	B
0T	T1	13.9	51.2	76	16
1T	T1	17	54	76	18

Z1 SOCKET

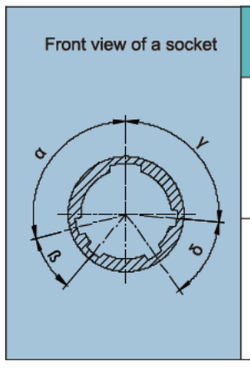
NUT FIXED SOCKET, KEY(X) OR KEY (Y)





Reference		Dimensions(mm)						Panel cut-outs		
Series	Model	A	E	K	L	B	e	Ws	Ø	Type
0T	Z1	10.5	4	11.2	17	17	M12*1.0	11.4	12.1	C
1T	Z1	10.5	4	13	20	19	M14*1.0	13.1	14.1	C

T SERIES ALIGNMENT KEY



Code	Angles	Series 0T	Series 1T
X	α	108°	105°
	β	35°	35°
	γ	92°	95°
	δ	50°	50°
Y	α	80°	80°
	β	44°	44°
	γ	40°	40°
	δ	72°	72°

INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts Male	Solder contacts Female	Contact ø(mm)	Resistance (mΩ)	Rated current (A)	Test voltage (V)	Working voltage (V)
0T	02			1.02	5.0	7.5	1250	415
	03			1.02	5.0	7.5	1450	450
	04			0.76	12.5	3.0	1200	400
	07			0.76	12.5	3.0	120	400
1T	02			1.5	3.0	13	1200	395
	03			1.02	5.0	7.5	1200	395
	04			1.02	5.0	7.5	1000	395
	05			2-2.0 3-0.76	2/12.5	20/3	1000	330

CACULATION METHOD: WORKING VOLTAGE= TEST VOLTAGE/3

WORKING VOLTAGE AND VOLTAGE RESISTANCEV

Height	Work voltage(V)			Test voltage(V)		
	Use level Ⅰ	Use level Ⅱ	Use level Ⅲ	Use level Ⅰ	Use level Ⅱ	Use level Ⅲ
Sea level	600	1000	400	1500	2300	1300
21336m	300	450	200	375	500	250

T SERIES

J SERIES

(OUTDOOR KEYED)

ELEKTRONIK s.r.o.

MOCO® PUSH-PULL CONNECTOR

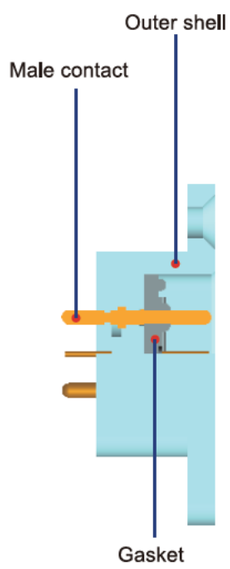
MAIN FEATURES:

1. Quick plug-in rectangular connector, with self-locking system
2. Claw locking type

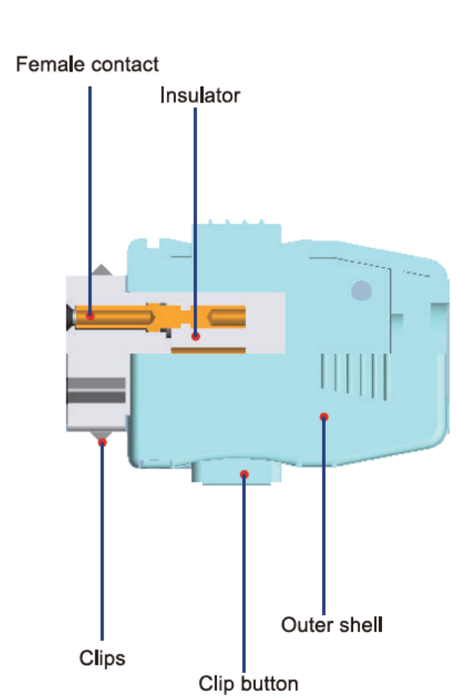
PART SECTION SHOWING INTERNAL COMPONENTS

J series

Fixed socket



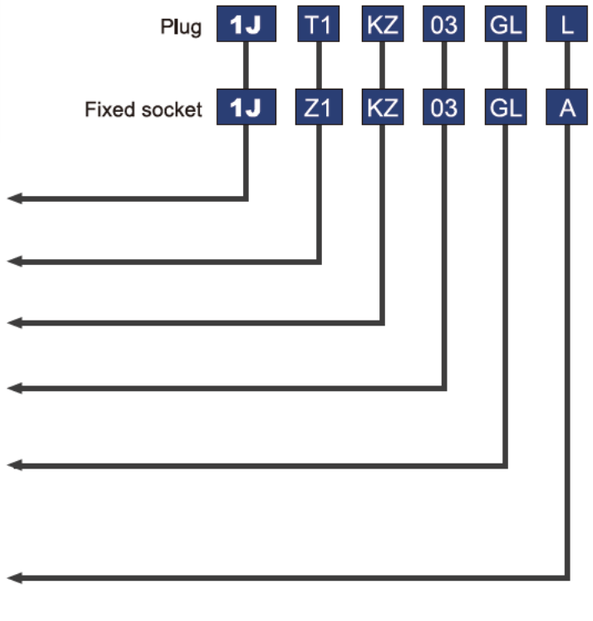
Straight plug



J SERIES

www.atd-shop.com

Part Numbering System



PART NUMBER EXAMPLE:

Straight plug:

1JT1KZ03GLL=1J series straight plug, multipole type with 3 contacts, Outer shell in ABS+PC, solder male contacts.

Fixed socket:

1JZ1KZ03GLA=1J series fixed socket, multipole type with 3 contacts, Outer shell in ABS+PC, solder female contacts.

TECHNICAL CHARACTERISTICS

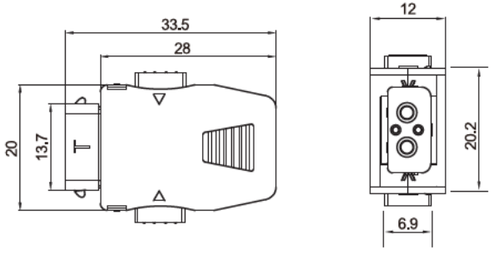
Characteristics	Parameter
Locking Type	push pull self-latching type
Working Temperature	-55°C~ +125°C
Maximum Humidity	up to 95% at 60°/140°F
Shielding Efficiency	75dB(10MHz) 40dB(1GHz)
Resistance to Vibration	15g[10Hz~2000Hz]

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

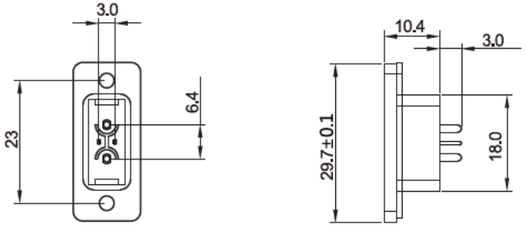
Housing Models

1J series

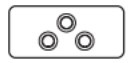
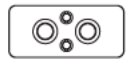
T1 PLUG



Z1 SOCKET



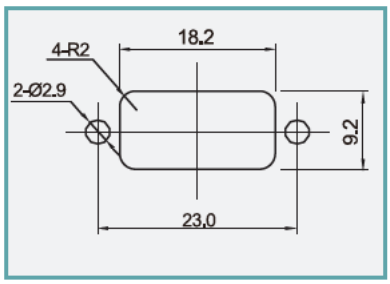
INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts		Contact ø(mm)	Resistance (mΩ)	Rated current (A)	Test voltage (V)	Working voltage (V)
		Male	Female					
1J	02			2.0	3	20	1500	500
	03			2.0	3	19	1500	500
	04			1.3*2 0.7*2	5	10	1500	500

CACULATION METHOD: WORKING VOLTAGE= TEST VOLTAGE/3

J SERIES

PANEL CUT–OUTS



PCB DRILLING PARAMETER CONFIGURATION