



Miniature Cylindrical Connectors

With Push-Pull-Locking



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szmedplus's connector

Company Profile

Shenzhen Medplus Electronic Tech Co.,LTD is a manufacturing enterprise integrating development, design, manufacturing and service of precision custom connection solutions. We manufacture circular push-pull connectors, with wide varieties of insert configurations and shell styles. They can mate with Lemo&Odu connectors perfectly. Our high quality push-pull connectors are found in a variety of challenging application environments including medical, industrial control, test and measurement, audio-video, and telecommunications. We believe that our connectors can help you in many connection solutions.

Usage

Multi-contact connectors are widely used in telecommunications, electronics, medical and meters industry to connect electrical signal. Especially suitable for equipments which need to insert and draw frequently and ask for shield, such as medical equipment, IC control systems, instrumentation, and telecommunications.

Characteristics

- 1 structure compact and attractive;
- 2 high-density multi-contact series;
- 3 well shielded with metal structure;
- 4 pull-pull system, convenient to operate;
- 5 self-latching structure, safe and reliable;
- 6 jack socket, needle plug.

Types

By materials: metallic connector; plastic connector;

By connection pattern: welding type, PCB type.

Materials

(1) Metallic connector

Shell: Brass, stainless steel is used in special occasions, plated with Nickel, satin Chrome, or black Chrome.

Insulator: PA66, PSU, PPSU, PEEK.

Contact: Gold plated brass.

(2) Plastic connector

Shell: ABS and PC

Insulator: PA66, PSU, PPSU, PEEK.

Contact: Gold plated brass.

Content

Company and product introduction

Content

Graphic model for products

Circular metallic/plastic series

B Series

K Series

C Series

S Series

P Series

Order of Insulator holes

Printed circuit holes and fixed key

Panel holes and cable collet

Sleeve

BP(Blood pressure) connector

B Series
Metal shell style



TT plug



HT plug



CT plug



GT plug



TZ receptacle



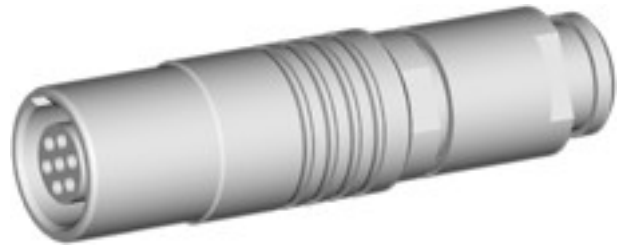
SZ receptacle



PZ receptacle



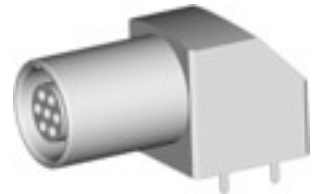
BZ receptacle



HZ receptacle

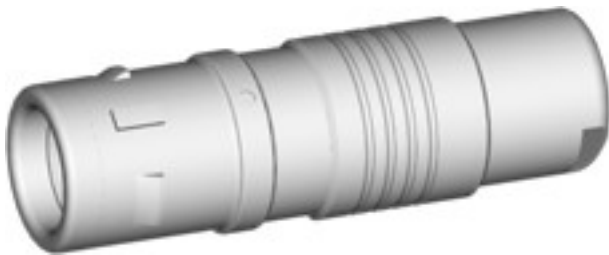


WZ receptacle



NZ receptacle

K Series
Metal shell style



TT plug



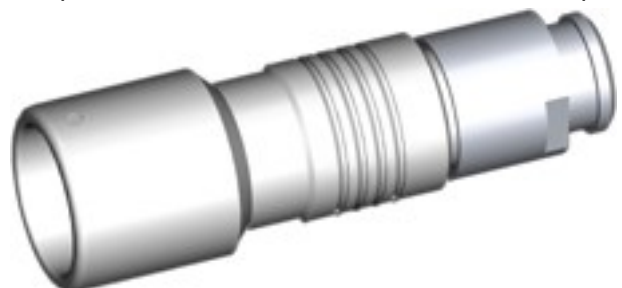
HT plug



PZ receptacle



TZ receptacle



HZ receptacle

S Series
Metal shell style



TT plug



HT plug



TZ receptacle



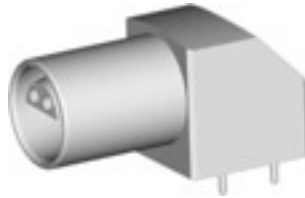
SZ receptacle



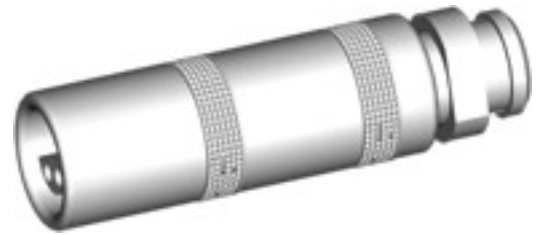
PZ receptacle



WZ receptacle



NZ receptacle



HZ receptacle

C Series
Metal shell style



MZ receptacle



HT plug

P Series
Plastic shell style



TT plug



SZ receptacle

Accessories



MA dust cap (for B、K Series)



GA dust cap (for B Series)



GB dust cap (for K Series)

B Series

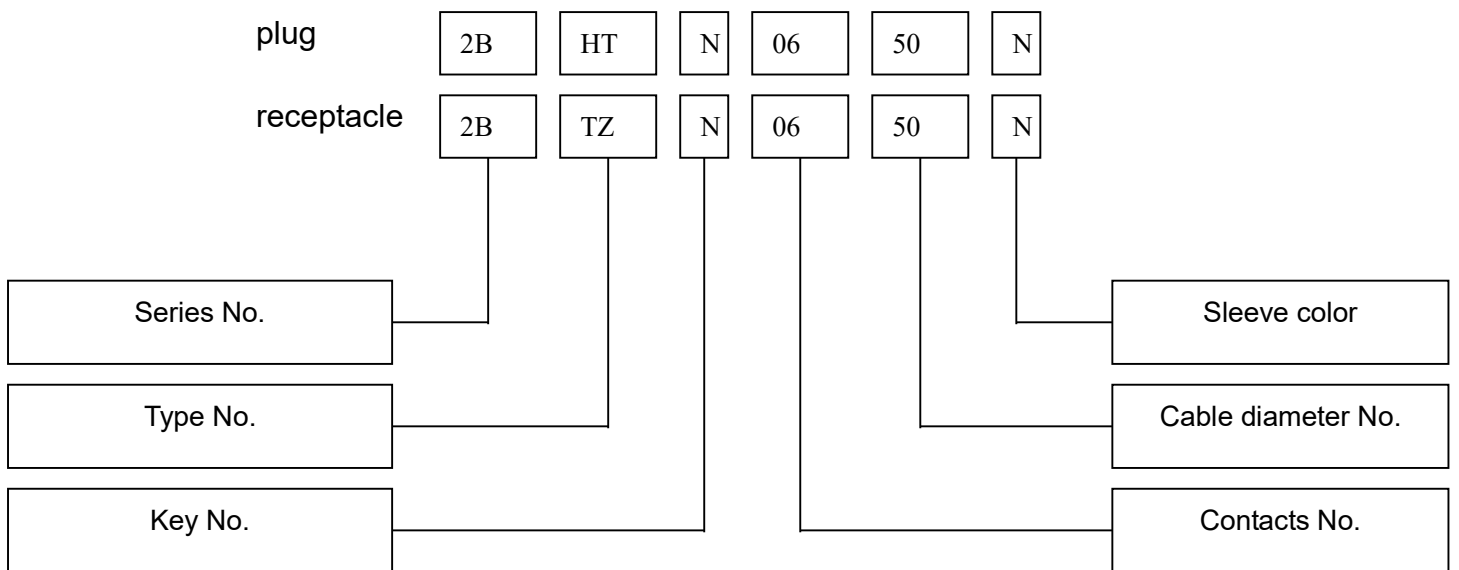
B Series connector with the following main features:

- 1) Smart push-pull self-latching system;
- 2) Multicore types with 2 to 26 pins;
- 3) Solder or PCB contacts (straight or elbow);
- 4) High-density installation for space-saving;
- 5) Different kinds of keying options to avoid mismatching;
- 6) The right direction shielding effect, anti-electromagnetic interference.

Parts of connector:

1. shell made of brass, stainless steel is used in special occasions, plated with Nickel or Chrome;
2. pin and jack made of brass, plated with gold;
3. insulator molded with engineering plastic which is high-temperature endurable and good insulating;
4. sleeve molded with soft plastic to protect cables.

Numbering rules:



For example:

Straight plug with sleeve

1BHTA06P42N: 1B Series straight plug, 30 degree double keys fixing (A), 6 pins, apply to cable diameter of 4.0mm, cable collet to fix cable with black sleeve.

Fixed receptacle

3BTZN21: 3B Series fixed receptacle, fixed inside of case with nut, single key fixing (N), 21 pins.

Fixed plug


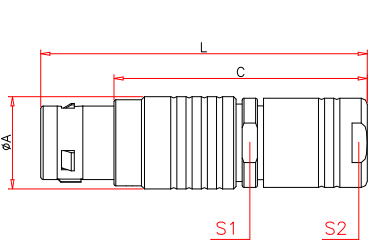
2BGTN08: 2B Series fixed plug, fixed inside of case with nut, single key fixing, 8 pins.

Fixed coupler plug

1BHZN0650N: 1B Series coupler plug, single key fixing, 6 pins, apply to cable diameter of 5.0mm, cable collet to fix cable with black sleeve.


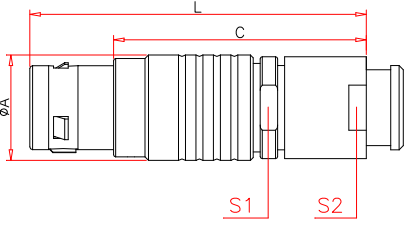
TT plug

Standard general straight plug, with key (N, A, B, W) to avoid moving and mismatching, cable collet to fix cable.

		items		dimension				
		series	type	L	A	C	S1	S2
		0B	TT	40	9.5	30	8	7
		1B	TT	45	12	34	10	9
		2B	TT	54	15	42	13	13
3B	TT	57	18	42	16	16		


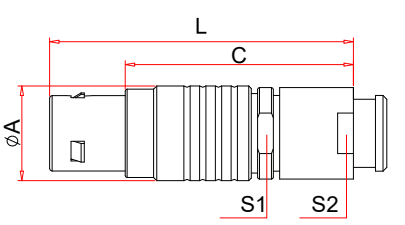
HT plug

General straight plug, with key (N, A, B, W) to avoid moving and mismatching, cable collet to fix cable, with sleeve to prevent cable from bending.

		items		dimension				
		series	type	L	A	C	S1	S2
		0B	HT	35	9.5	25	8	7
		1B	HT	41	12	30	10	9
		2B	HT	48	15	36	13	13
		3B	HT	57	18	42	16	16


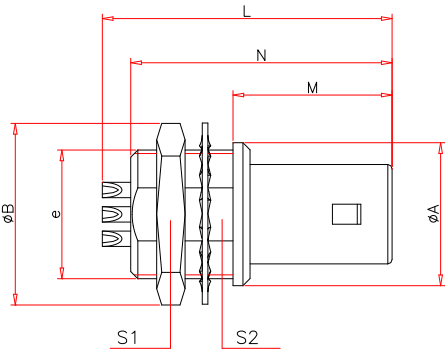
CT plug

General straight plug, without key to avoid moving, cable collet to fix cable, with sleeve to prevent the cable from bending, apply to single pin structure.

		items		dimension				
		series	type	L	A	C	S1	S2
		0B	CT	35	9.5	25	8	7
		1B	CT	41	12	30	10	9
		2B	CT	48	15	36	13	13
		3B	CT	57	18	42	16	16


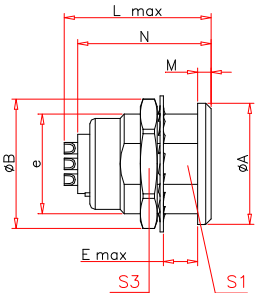
GT plug

Fixed inside of case, with key (N, A, B, W) to avoid moving and mismatching.

		items		dimension							
		series	type	A	B	L	N	M	S1	S2	e
		0B	GT	10	12.4	20.8	18.4	11.2	11	8.2	M9*0.5
		1B	GT	14	15.8	25.2	22.6	12.5	14	10.5	M12*1.0
		2B	GT	18	19.2	28.7	25.4	13.8	17	13.5	M15*1.0
		3B	GT	22	25	32	29.1	17.0	22	16.5	M18*1.0


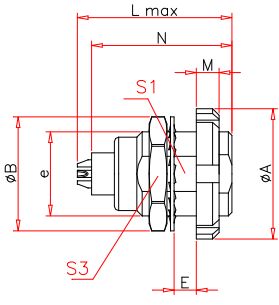
TZ receptacle

Receptacle assembled outside, fixed inside of case with nut, with key (N, A, B, W) to avoid moving and mismatching.

		items		dimension								
		series	type	A	B	e	E	L	M	N	S1	S3
		0B	TZ	10	12.3	M9*0.6	7	21.3	1.2	19	8.2	11
		1B	TZ	14	16	M12*1.0	7.5	23.2	1.5	21	10.5	14
		2B	TZ	18	19.2	M15*1.0	8.0	24.8	2	24	13.5	17
		3B	TZ	22	25	M18*1.0	11	30.7	2	28	16.5	22


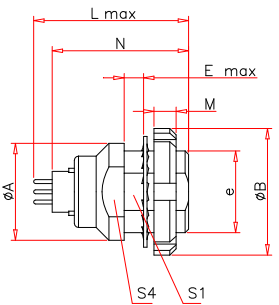
SZ receptacle

General receptacle assembled and fixed either inside or outside, with key (N, A, B, W) to avoid moving and mismatching.

 	items		dimension								
	series	type	A	B	e	E	L	M	N	S1	S3
	0B	SZ	12	12.5	M9*0.6	5.5	21.3	2.5	19	8.2	11
	1B	SZ	16	16	M12*1.0	6.0	23.2	3.2	21	10.5	14
	2B	SZ	20	19.5	M15*1.0	6.5	24.8	3.5	24.5	13.5	17
3B	SZ	24	25	M18*1.0	9	30.7	4.5	28	16.5	22	

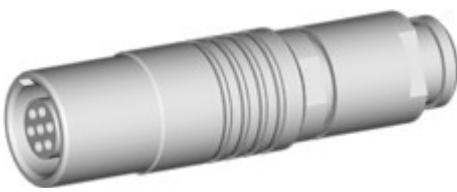
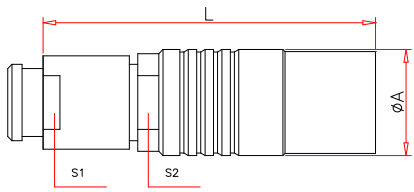
PZ receptacle

Receptacle assembled inside, fixed outside, with key (N, A, B, W) to avoid moving and mismatching.

 	items		dimension								
	series	type	A	B	e	E	L	M	N	S1	S4
	0B	PZ	11	12	M9*0.6	5.5	22	2.5	19	8.2	9
	1B	PZ	16	16	M12*1.0	6.0	24	3.2	21	10.5	13
	2B	PZ	20	19.5	M15*1.0	6.5	27.5	3.5	24.5	13.5	15
3B	PZ	24	25	M18*1.0	9	31	4.5	28	16.5	18	


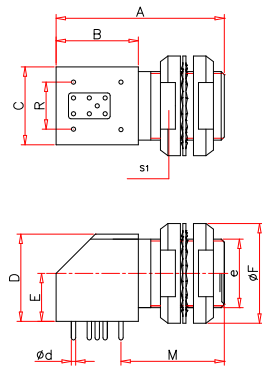
HZ receptacle

Coupler receptacle, used for connecting between cables, with key (N, A, B, W) to avoid moving and mismatching. cable collet to fix cable, with sleeve to prevent the cable from bending.

 	items		dimension			
	series	type	L	A	S1	S2
	0B	HZ	34	9.5	7	5.5
	1B	HZ	40	12.5	9	8.0
	2B	HZ	46	16.5	12	10
3B	HZ	55	19.0	15	13.0	

WZ receptacle

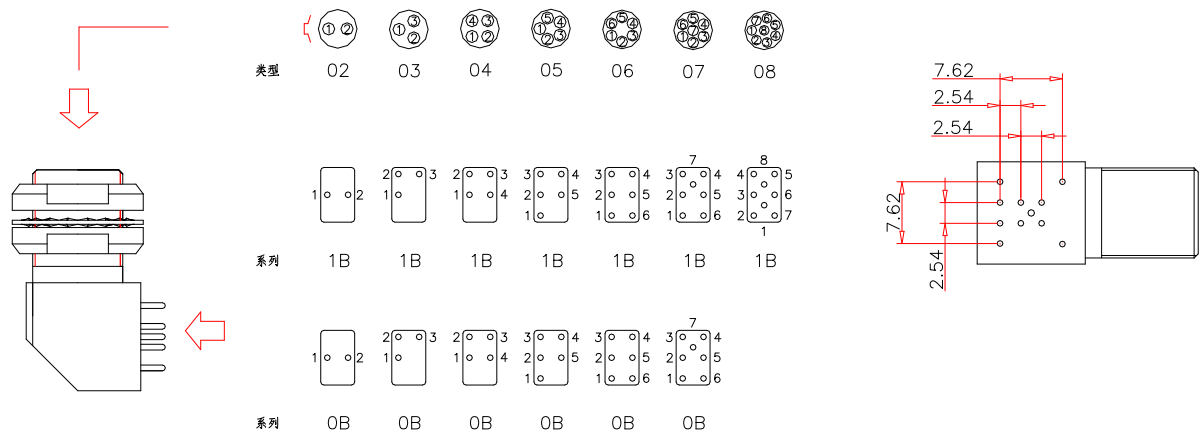
Elbow (90 degree) printed circuit receptacle, fixed with two nuts, with key (N, A, B, W) to avoid moving and mismatching. See the details of counterpart chart of PCB drilling pattern and grounding pins this page.

 	items		dimension								
	series	type	A	B	e	C	D	E	F	M	S1
	0B	WZ	25	13.3	M9*0.5	11.7	12.7	6.7	12	14.6	10.5
1B	WZ	27	13.3	M11*0.5	12.6	14	7.5	14	16.6	12	

NZ receptacle

Elbow (90 degree) printed circuit receptacle, solder fixed, with key (N, A, B, W) to avoid moving and mismatching. See the details of counterpart chart of PCB drilling pattern and grounding pins this page.

items	dimension									
	series	type	A	B	C	D	E	F	M	d
0B	WZ	25	13.3	11.7	12.7	6.7	12	14.6	0.7	
1B	WZ	27	13.3	12.6	14	7.5	14	16.6	0.7	



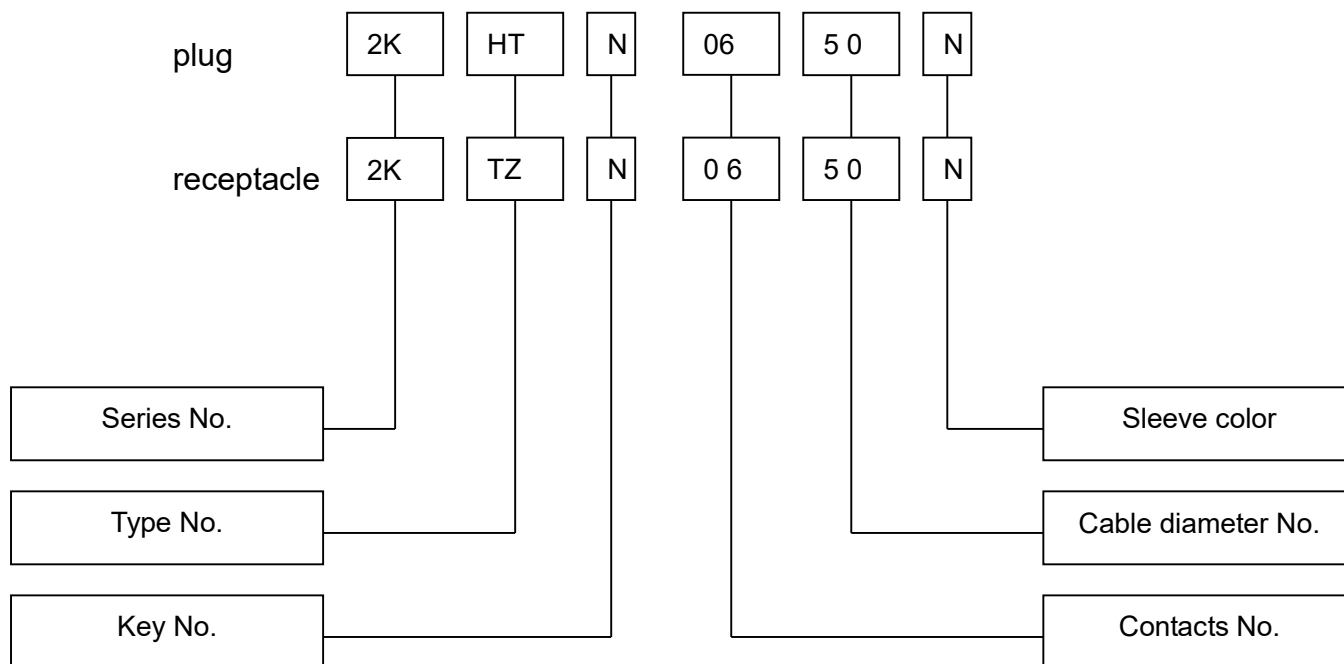
K Series connector with the following main features:

- 1) Smart push-pull self-latching system;
- 2) Multicore types with 2 to 26 pins;
- 3) Solder or PCB contacts (straight and elbow);
- 4) High packing density for space saving;
- 5) Different kinds of keying options to avoid mismatching;
- 6) 360 degree screening for full EMC shielding;
- 7) Waterproof connector (IP66 to 68);
- 8) Rugged housing for extreme working conditions.

Parts of connector:

1. shell made of brass, stainless steel is used in special occasions, plated with Nickel or Chrome;
2. pin and jack made of brass, plated with gold;
3. insulator molded with engineering plastic which is high-temperature endurable and good insulating;
4. sleeve molded with soft plastic to protect cables;
5. waterproof gasket ring is made of high-temperature endurable silicone rubber.

Numbering rules:



For example:

Straight plug with sleeve

1KHTA0650N: 1K Series straight plug, 30 degree double keys fixing (A) , multi-contact of 6 pins, apply to cable diameter of 5.0mm, cable collet fix with black sleeve.

Fixed receptacle


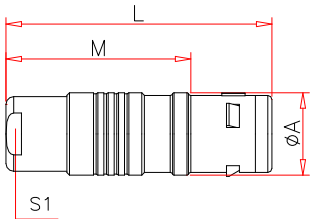
2KTZN14: 2K Series fixed receptacle, fixed inside of case with nut, single key fixing (N) , multi-contact of 14 pins.

Fixed coupler plug

2KHZN0650N: 2K Series coupler plug, single key fixing(N), multi-contact of 6 pins, apply to cable diameter of 5.0mm, cable collet fix with black sleeve.


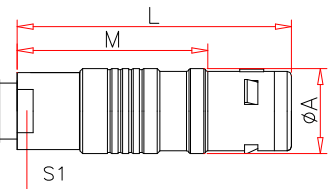
TT plug

Standard general straight plug, waterproof, with key (N, A, B, W) to avoid moving and mismatching, cable collet to fix cable.

		items		dimension			
		series	type	L	A	M	S1
		0K	TT	40	9.5	30	8
		1K	TT	45	12	34	10
		2K	TT	54	15	42	13


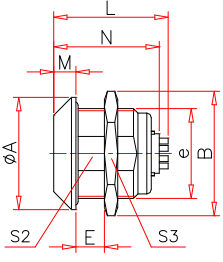
HT plug

General waterproof plug, with key (N, A, B, W) to avoid moving and mismatching, cable collet to fix cable, with sleeve to prevent the cable from bending.

		items		dimension			
		series	type	L	A	M	S1
		0K	TT	40	9.5	30	8
		1K	TT	45	12	34	10
		2K	TT	54	15	42	13


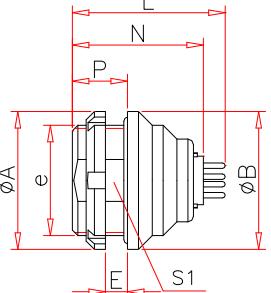
TZ receptacle

Receptacle assembled outside, fixed inside, with key (N, A, B, W) to avoid moving and mismatching.

		items		dimension								
		series	type	A	B	e	E	L	M	N	S1	S3
		0K	TZ	10	12.3	M9*0.6	7	21.3	1.2	19	8.2	11
		1K	TZ	14	16	M12*1.0	7.5	23.2	1.5	21	10.5	14
		2K	TZ	18	19.2	M15*1.0	8.0	24.8	2	24	13.5	17

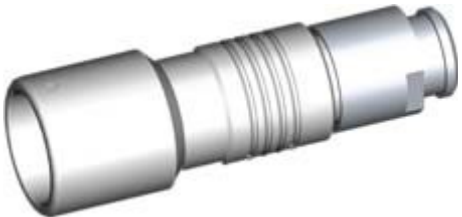
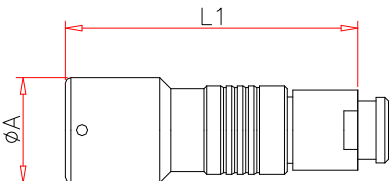
PZ receptacle

Receptacle assembled inside, fixed outside, with key (N, A, B, W) to avoid moving and mismatching.

		items		dimension								
		series	type	A	B	e	E	L	M	N	S1	S4
		0K	PZ	11	12	M9*0.6	5.5	22	2.5	19	8.2	9
		1K	PZ	16	16	M12*1.0	6.0	24	3.2	21	10.5	13
		2K	PZ	20	19.5	M15*1.0	6.5	27.5	3.5	24.5	13.5	15

HZ receptacle

Coupler receptacle, used for connecting between cables, with key (N, A, B, W) to avoid moving and mismatching. cable collet to fix cable, with sleeve to prevent cable from bending.

		items		dimension			
		series	type	L	A	S1	S2
		0K	HZ	34	9.5	7	5.5
		1K	HZ	40	12.5	9	8.0
		2K	HZ	46	16.5	12	10

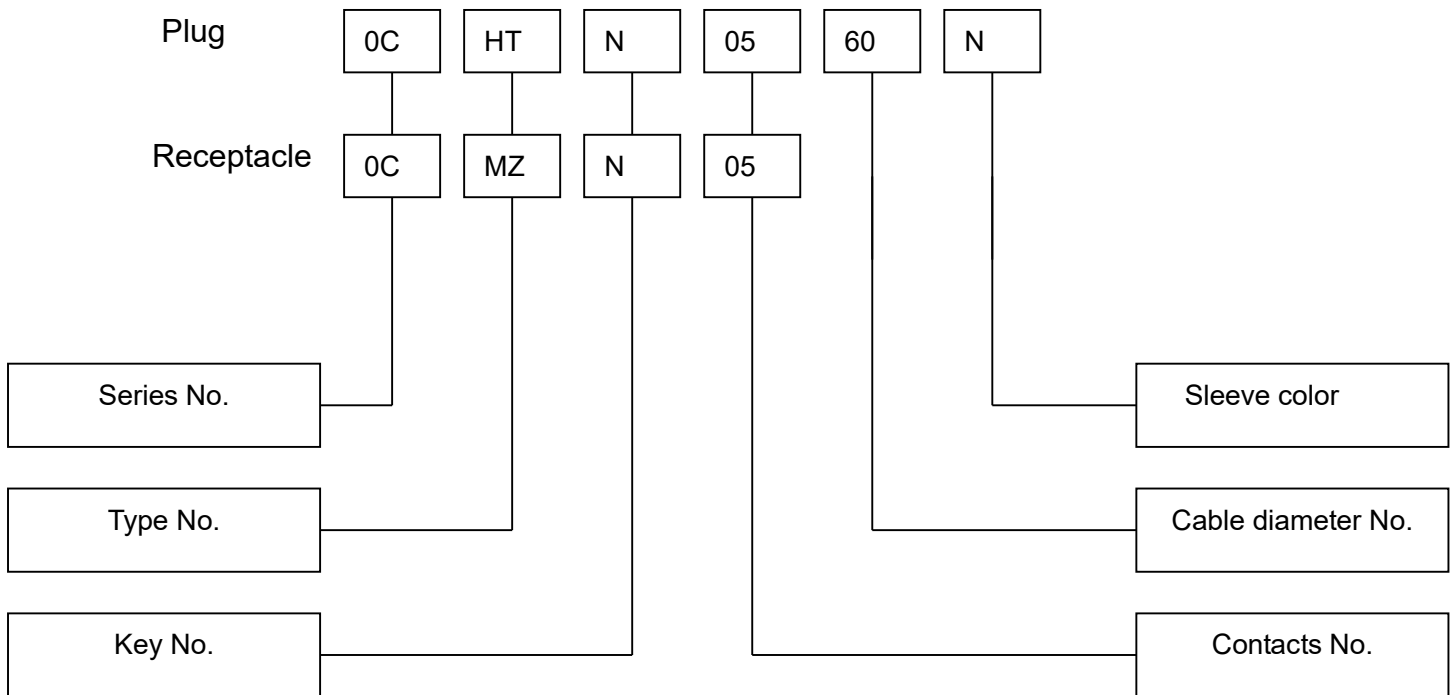
C Series connector with the following main features:

- 1) Smart push-pull self-latching system;
- 2) Multicore types with 2 to 30 pins;
- 3) Solder or PCB connectors(straight or elbow);
- 4) High-density installation for space-saving;
- 5) 360 degree screening for full EMC shielding;
- 6) Socket with vacuum airproof structure.

Parts of connector:

1. shell made of brass, stainless steel is used in special occasions, plated with Nickel or Chrome;
2. pin and jack made of brass, plated with gold;
3. insulator molded with engineering plastic which is high-temperature endurable and good insulating;
4. sleeve molded with soft plastic to protect cables.
5. waterproof gasket ring is made of high-temperature endurable silicone rubber

Numbering rules:



For example:

Straight plug with sleeve


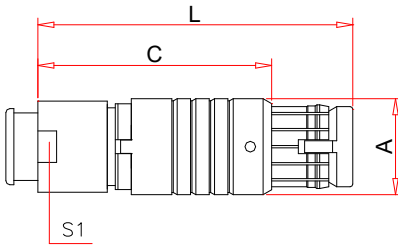
1CHTA0642N: 1C Series straight plug, 30 degree double keys fixing (A) , multi- contact of 6 pins, apply to cable diameter of 5.0mm, cable collet fix with black sleeve.

Fixed receptacle

3CMZN21: 3C Series fixed receptacle, fixed inside of case with nut, single key fixing (N) , multi- contact of 21 pins.


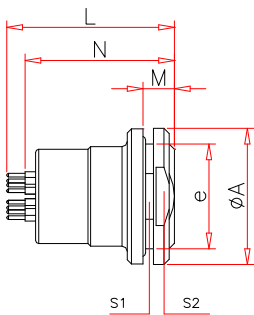
HT plug

General straight plug with key (N, A, B, W) to avoid moving and mismatching, cable collet to fix cable, with sleeve to prevent the cable from bending.

		items		dimension				
		series	type	L	A	C	S1	S2
		0C	HT	40	9.5	30	8	7
		1C	HT	45	12	34	10	9
		2C	HT	54	15	42	13	13
3C	HT	57	18	42	16	16		

MZ receptacle

Vacuum airproof receptacle, fixed outside, with key (N, A, B, W) to avoid moving and mismatching.

		items		dimension						
		series	type	A	L	e	N	M	S1	S2
		0C	MZ	14	24	M9*0.5	21	6.0	8.2	10.5
		1C	MZ	17	25	M14*1.0	22	6.0	12	17
		2C	MZ	21	29	M17*1.0	25	6.0	14.5	19
3C	MZ	25	31.5	M20*1.0	27	6.0	18	23		

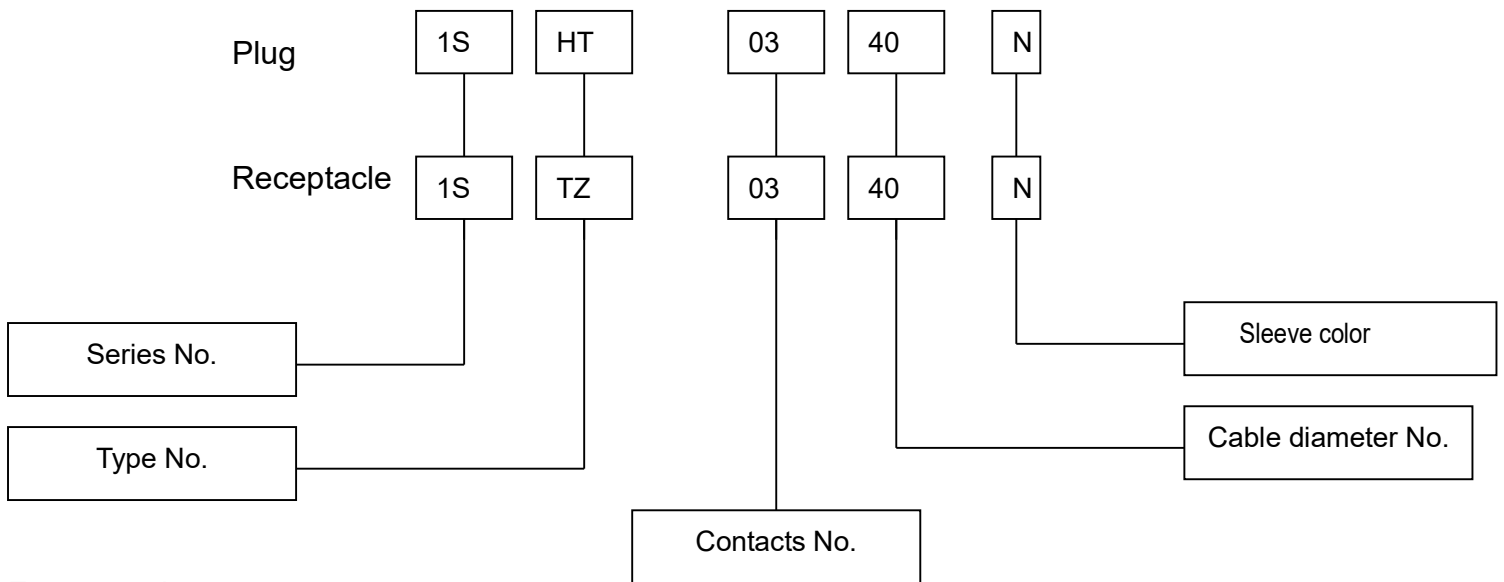
S Series connector with the following main features:

- 1) Smart push-pull self-latching system;
- 2) Unipole types transmitting current up to 230A and multipole types with up to 18 pins;
- 3) 360 degree screening for full EMC shielding;
- 4) Solder or PCB contacts(straight or elbow);
- 5) Polarization by stepped insert (half-moon) fitted with male and female pins.

Parts of connector:

1. shell made of brass, stainless steel is used in special occasions, plated with Nickel or Chrome;
2. pin and jack made of brass, plated with gold;
3. insulator molded with engineering plastic which is high-temperature durable and good insulating;
4. sleeve molded with soft plastic to protect cables.

Numbering rules:



For example:

Straight plug with sleeve

1SHT00650N: 1S Series straight plug, multi- contact of 6 pins, apply to cable diameter of 5.0mm, cable collet fix with black sleeve.

Fixed receptacle


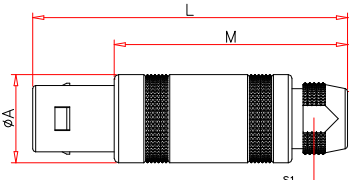
2SSZ008: 2S Series fixed receptacle, fixed with two nuts, without key, multi- contact of 8 pins. Omit the later code or replaced by 0000.

Fixed coupler plug

1SHZ00450N: 1S Series coupler plug, without key, multi- contact of 4 pins, apply to cable diameter of 5.0mm, cable collet fix with black sleeve.


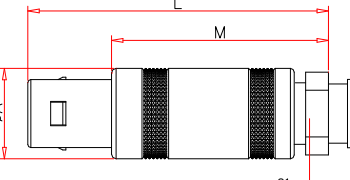
TT plug

Standard straight plug, cable collet to fix cable. With inside components to avoid cables moving,

		items		dimension			
		series	type	A	L	M	S1
		0S	TT	8.8	34.5	24.5	6.5
		1S	TT	11.8	42.5	31.5	8.5
		2S	TT	14.8	52	40	11


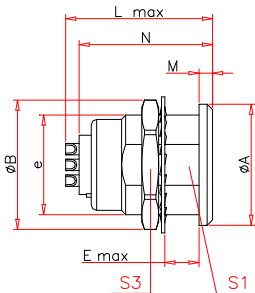
HT plug

Standard straight plug, cable collet to fix cable. With inside components to avoid cables moving, and sleeve to prevent the cable from bending.

		items		dimension			
		series	type	A	L	M	S1
		0S	TT	8.8	34.5	24.5	6.5
		1S	TT	11.8	42.5	31.5	8.5
		2S	TT	14.8	52	40	11


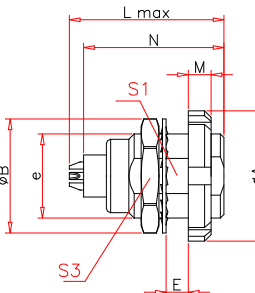
TZ receptacle

Fixed receptacle, fixed inside with nut.

		items		dimension								
		series	type	A	B	e	E	L	M	N	S1	S3
		0S	TZ	10	12.3	M9*0.6	7	21.3	1.2	19	8.2	11
		1S	TZ	14	16	M12*1.0	7.5	23.2	1.5	21	10.5	14
		2S	TZ	18	19.2	M15*1.0	8.0	24.8	2	24	13.5	17


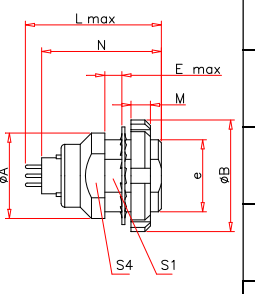
SZ receptacle

Fixed receptacle, fixed either inside or outside with two nuts.

		items		dimension								
		series	type	A	B	e	E	L	M	N	S1	S3
		0S	SZ	12	12.5	M9*0.6	5.5	21.3	2.5	19	8.2	11
		1S	SZ	16	16	M12*1.0	6.0	23.2	3.2	21	10.5	14
		2S	SZ	20	19.5	M15*1.0	6.5	24.8	3.5	24.5	13.5	17

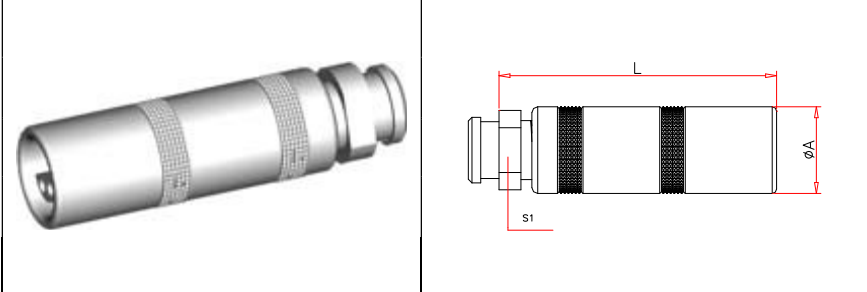
PZ receptacle

Fixed receptacle, fixed outside with nut.

		items		dimension								
		series	type	A	B	e	E	L	M	N	S1	S4
		0S	SZ	12	12.5	M9*0.6	5.5	21.3	2.5	19	8.2	11
		1S	SZ	16	16	M12*1.0	6.0	23.2	3.2	21	10.5	14
		2S	SZ	20	19.5	M15*1.0	6.5	24.8	3.5	24.5	13.5	17

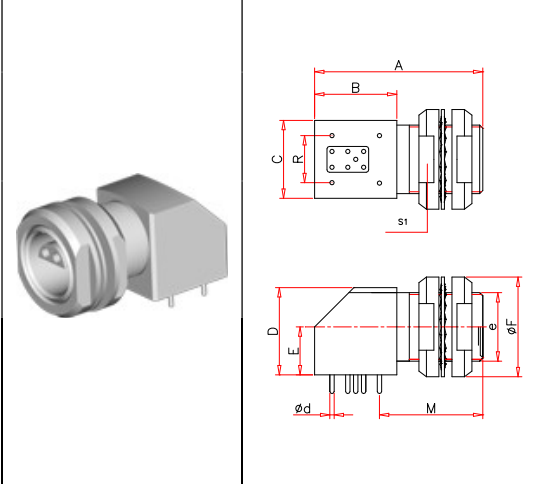
HZ receptacle

Coupler receptacle, used for connecting between cables, with key (N, A, B, W) to avoid moving and mismatching, cable collet to fix cable, with sleeve to prevent the cable from bending.

	items		dimension			
	series	type	L	A	S1	S2
	0S	HZ	34	9.5	7	5.5
	1S	HZ	40	12.5	9	8.0
			46	16.5	12	10

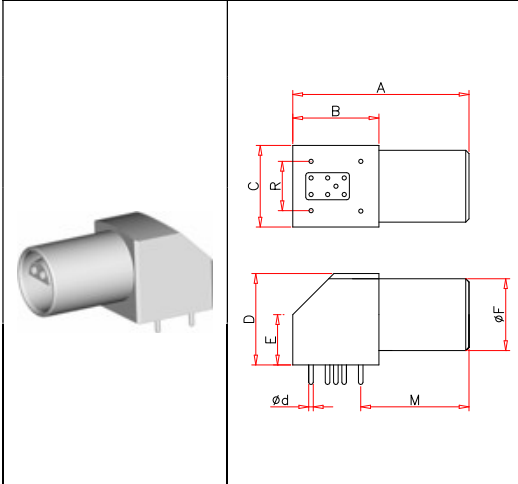
WZ receptacle

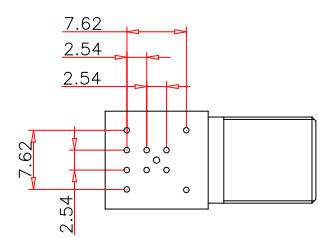
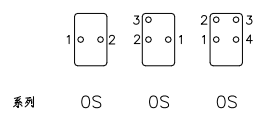
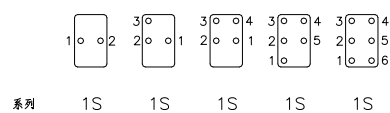
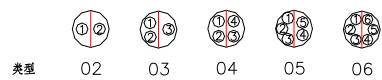
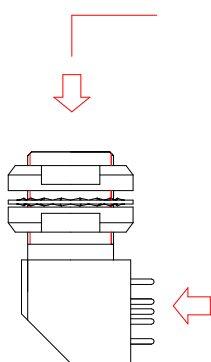
Elbow (90 degree) printed circuit receptacle, fixed with two nuts. See the details of counterpart chart of PCB drilling pattern and grounding pins this page.

	items		dimension								
	series	type	A	B	e	C	D	E	F	M	S1
	0S	WZ	25	13.3	M9*0.5	11.7	12.7	6.7	12	14.6	10.5
			27	13.3	M11*0.5	12.6	14	7.5	14	16.6	12

NZ receptacle

Elbow (90 degree) printed circuit receptacle, solder fixed. See the details of counterpart chart of PCB drilling pattern and grounding pins this page.

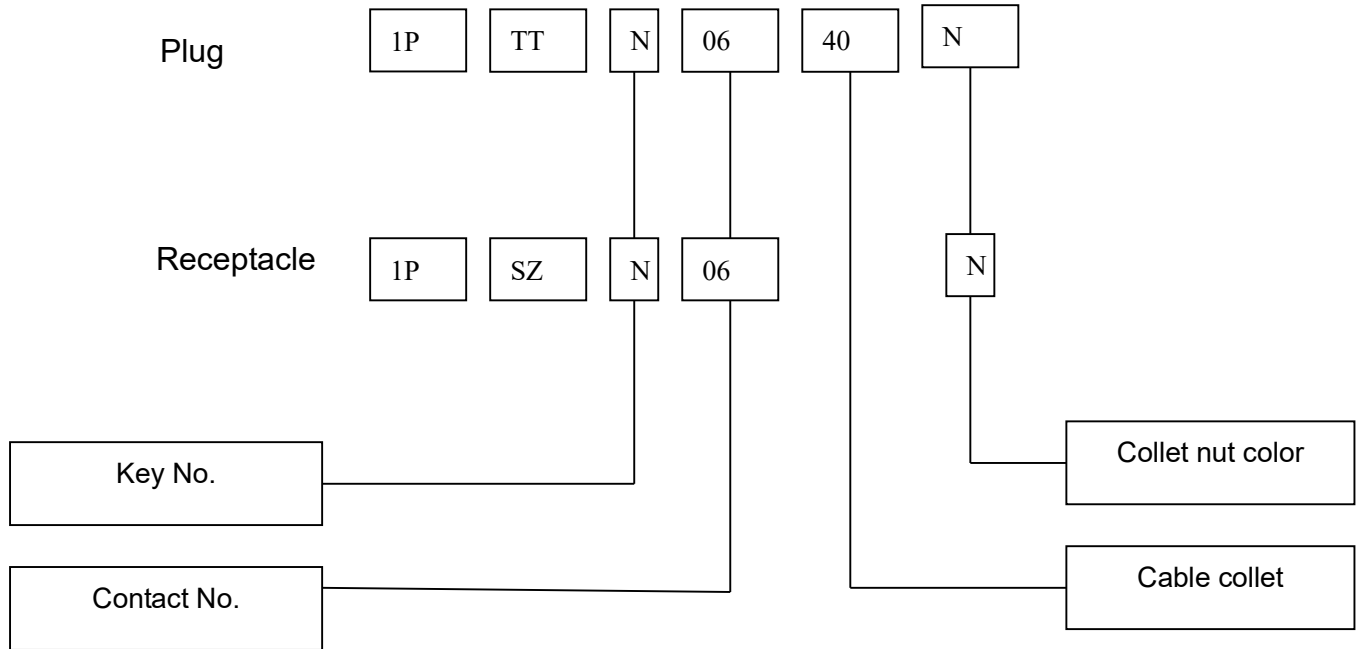
	items		dimension							
	series	type	A	B	C	D	E	F	M	d
	0S	WZ	25	13.3	11.7	12.7	6.7	12	14.6	0.7
			27	13.3	12.6	14	7.5	14	16.6	0.7



P Series connector with the following main features:

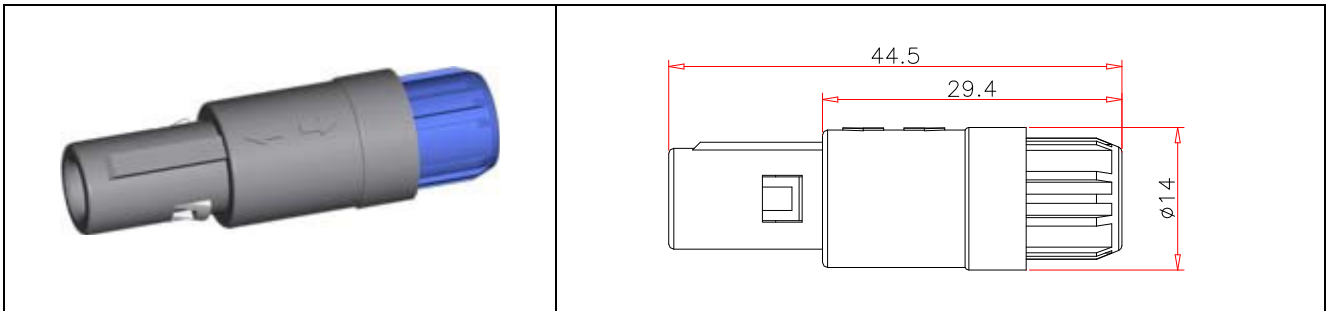
- 1) Smart push-pull self-latching system;
- 2) Multicore types 2 to 14 pins;
- 3) Solder or PCB contacts;
- 4) High packing density for space saving;
- 5) Collet nut and socket nut with the same color to avoid mismatching.

Numbering rules:



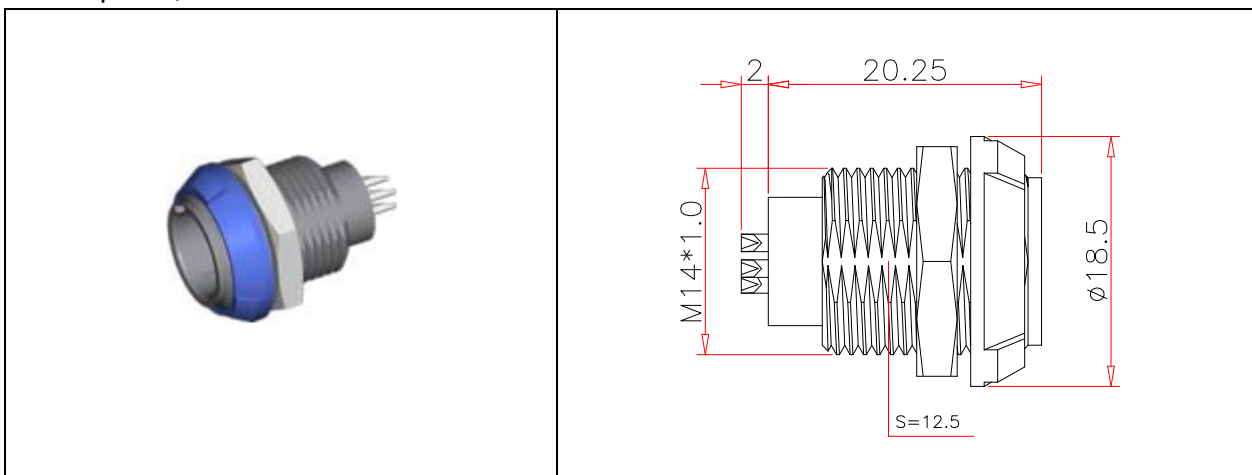
TT plug

Standard straight plug, cable collet to fix cable. With inside components to avoid cables moving,

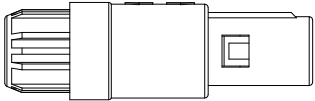
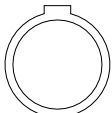
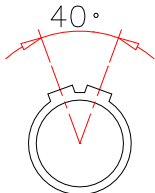
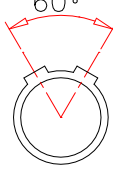
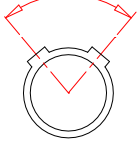


SZ receptacle

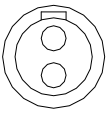
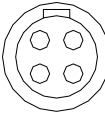
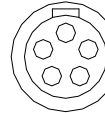
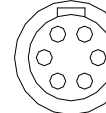
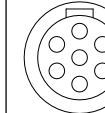
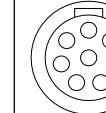
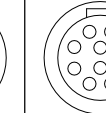
Fixed receptacle, fixed inside of case with nut.



Fixed key

Plug key	figure			
	0° 	40° 	60° 	80° 
Key code	N	A	B	C

Multi-contact type

Series	1P						
Pin pattern							
Diameter of Contact(mm)	1.3	0.9	0.9	0.7	0.7	0.7	0.5
Contact resistance(mΩ)	5	6	6	7.5	7.5	7.5	10
Working current (A)	10	8	8	6	6	5	3
Test voltage (V)	1250	1250	1100	1000	1000	875	600
Working voltage (V)	500	500	500	450	450	400	333

Collet nut color




Color	blue	grey	yellow	black	red	green
code	A	G	J	N	R	V







Cable collet







Cable code	Cableφ
42	< 4.0
52	5.0-4.0
62	6.0-5.0




Multi-contact type

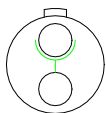
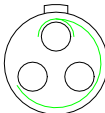
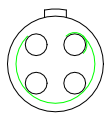
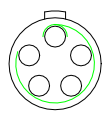
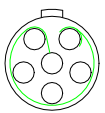
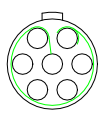
For B Series and K Series insulator

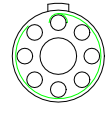
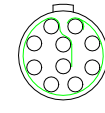
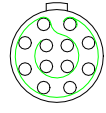
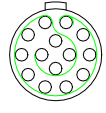
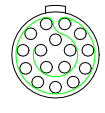
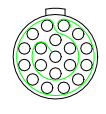
Series	00					
Pin pattern						
Diameter of Contact (mm)	0.5	0.5	0.5			
Contact resistance(mΩ)	10	10	10			
Working current (A)	3	2	1.5			
Test voltage (V)	600	600	450			
Working voltage (V)	250	250	200			

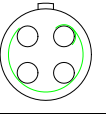
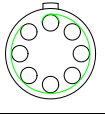
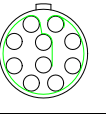
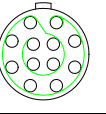
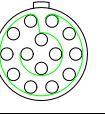
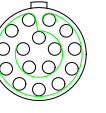
Series	0B-0K					
Pin pattern						
Diameter of Contact(mm)	0.9	0.9	0.7	0.7	0.5	0.5
Contact resistance(mΩ)	6	6	7.5	7.5	10	10
Working current (A)	10	10	7	7	5	5
Test voltage (V)	1000	875	875	750	750	750
Working voltage (V)	500	400	300	300	300	300

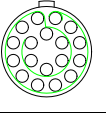
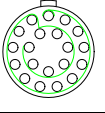
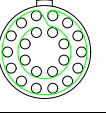
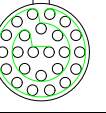
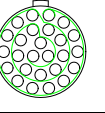
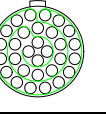
Series	1B-1K					
Pin pattern						
Diameter of Contact(mm)	1.3	1.3	0.9	0.9	0.7	0.7
Contact resistance(mΩ)	5	5	6	6	7.5	7.5
Working current (A)	14	14	10	10	7	7
Test voltage (V)	1250	1000	1000	875	875	875
Working voltage (V)	550	500	500	450	450	400

Series	1B-1K					
Pin pattern						
Diameter of Contact(mm)	0.7	0.5	0.5			
Contact resistance(mΩ)	7.5	10	10			
Working current (A)	7	5	5			
Test voltage (V)	875	750	750			
Working voltage (V)	333	333	300			

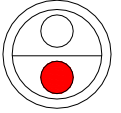
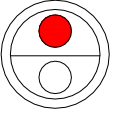
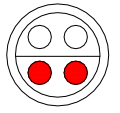
Series	2B-2K					
Pin pattern						
Diameter of Contact(mm)	2.0	1.6	1.3	1.3	1.3	1.3
Contact resistance(mΩ)	3	4	5	5	5	5
Working current (A)	20	17	14	14	14	14
Test voltage (V)	1500	1500	1500	1250	1250	1250
Working voltage (V)	700	800	750	600	500	500

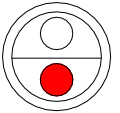
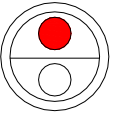
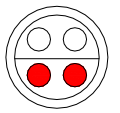
Series	2B-2K					
Pin pattern						
Diameter of Contact(mm)	0.9	0.9	0.7	0.7	0.7	0.7
Contact resistance(mΩ)	6	6	7.5	7.5	7.5	7.5
Working current (A)	10	10	7	7	7	7
Test voltage (V)	1250	1250	1000	875	875	875
Working voltage (V)	500	500	450	400	366	333

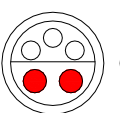

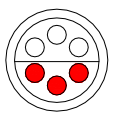
Series	3B-3K					
Pin pattern						
Diameter of Contact(mm)	2.0	1.3	1.3	0.9	0.9	0.9
Contact resistance(mΩ)	3	5	5	6	6	6
Working current (A)	17	14	14	10	10	10
Test voltage (V)	1500	1250	1250	1250	1250	1250
Working voltage (V)	550	550	450	450	450	450

Series	3B-3K					
Pin pattern						
Diameter of Contact(mm)	0.9	0.7	0.7	0.7	0.7	0.7
Contact resistance(mΩ)	6	7.5	7.5	7.5	7.5	7.5
Working current (A)	10	7	7	7	7	7
Test voltage (V)	1000	1000	875	875	875	875
Working voltage (V)	450	366	366	333	333	300

For S Series insulator

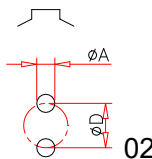
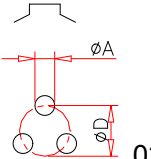
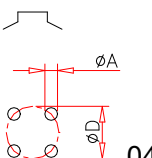
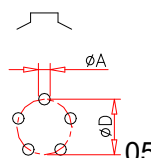
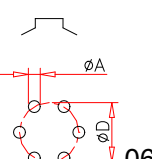
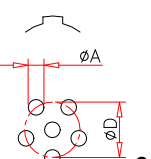
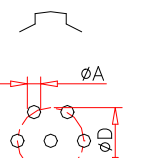
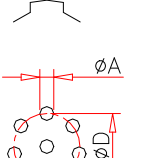
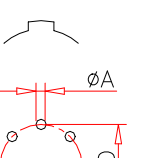
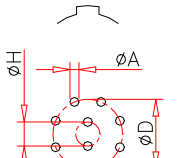
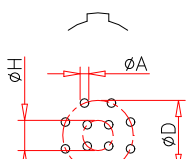
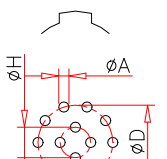
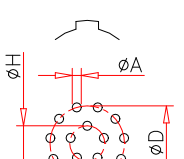
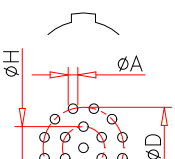
Series	0S		
Pin pattern			
Diameter of Contact(mm)	0.9	0.7	0.7
Contact resistance(mΩ)	6	7.5	7.5
Working current (A)	10	10	7
Test voltage (V)	1000	875	875
Working voltage (V)	500	400	300

Series	1S		
Pin pattern			
Diameter of Contact(mm)	1.3	0.9	0.9
Contact resistance(mΩ)	5	6	6
Working current (A)	14	10	10
Test voltage (V)	1250	875	875
Working voltage (V)	500	450	400

Series	1S		
Pin pattern			
Diameter of Contact(mm)	0.9	0.7	0.7
Contact resistance(mΩ)	6	7.5	7.5
Working current (A)	10	7	7
Test voltage (V)	750	750	75
Working voltage (V)	400	400	300

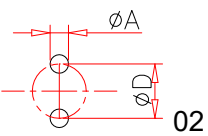
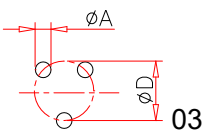
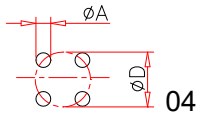
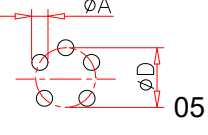
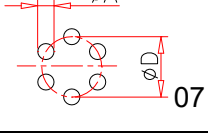
Printed circuit holes

For B Series and K Series SZ straight receptacle, PZ receptacle, MZ receptacle

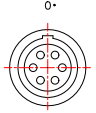
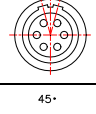
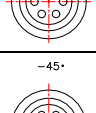
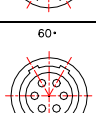
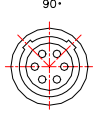
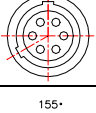
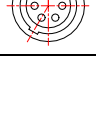

Numbers of contact	Type	0B	1B	2B	Numbers of contact	Type	0B	1B	2B
	A	0.8	0.8	0.8		A	0.8	0.8	0.8
	D	2.2	2.8	4.4		D	2.3	3.0	4.6
	A	0.6	0.8	0.8		A	0.6	0.8	0.8
	D	2.5	3.1	5.0		D	2.8	3.4	5.2
	A	0.6	0.8			A			0.8
	D	3.0	3.7			D			5.6
	A	0.6	0.8	0.8		A		0.8	
	D	3.0	3.7	5.8		D		3.8	
	A			0.8		A		0.6	0.8
	D			6.4		D		3.95	6.20
	A			0.8		A		0.6	0.8
	H			6.5		H		1.8	2.65
D			2.8		D		4.4	6.5	
	A			0.8		A			0.8
	H			3.10		H			3.50
D			6.60		D			6.7	

Printed circuit holes

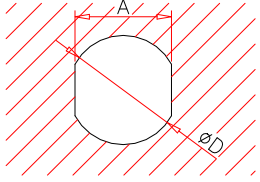
For S Series SZ straight receptacle, PZ receptacle

Numbers of contact	Type	0S	1S		Numbers of contact	Type	0S	1S
	A	0.8	0.8			A	0.8	0.8
	D	2.2	3.0			D	2.8	3.5
	A	0.8	0.8			A		0.8
	D	2.8	3.5			D		3.5
	A		0.8					
	D		3.5					

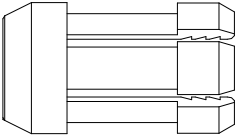
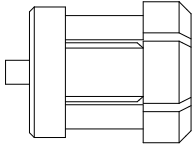
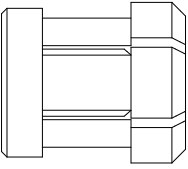
Fixed key

Key code	figure	Series							
		00	0B	1B	2B	3B	0K	1K	2K
N		◆	◆	◆	◆	◆	◆	◆	◆
A			◆	◆	◆	◆	◆	◆	◆
B			◆	◆	◆	◆	◆	◆	◆
C			●	●					
E			◆	◆					
F				◆					
K					●	●	●	●	●
Q			●	●					
0	means no key, for single contact and S Series								

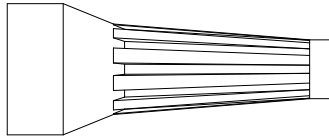
Panel hole

	00	0B	1B	2B	3B	0K	1K	2K	0S	1S
	A	8.3	10.6	13.6	16.6	12.5	14.6	18.6	8.3	10.6
	D	9.1	12.1	15.1	18.1	14.1	16.1	20.1	9.1	12.1

Cable collet

 <p>For S Series</p>	Collet code	Cable Φ (mm)	0S			1S	
	25	2.0-2.5	•				
	30	2.6-3.0	•			•	
	35	3.1-3.5	•			•	
	40	3.6-4.0	•			•	
	45	4.1-4.5					•
 <p>For B Series</p>	Collet code	Cable Φ (mm)	00	0B	1B	2B	3B
	25	2.0-2.5	•	•			
	30	2.6-3.0	•	•			
	35	3.1-3.5	•	•	•		
	40	3.6-4.0		•	•	•	
	45	4.1-4.5		•	•	•	•
	50	4.6-5.0		•	•	•	•
	60	5.1-6.0			•	•	•
	70	6.1-7.0			•	•	•
	80	7.1-8.0				•	•
	90	8.1-9.0				•	•
	01	9.1-10.0				•	•
 <p>For K Series</p>	Collet code	Cable Φ (mm)	0K		1K	2K	
	40	3.6-4.0	•		•		
	45	4.1-4.5	•		•		
	50	4.6-5.0	•		•		•
	60	5.1-6.0			•		•
	70	6.1-7.0			•		•
	75	7.1-7.5					•
	80	7.6-8.0					•
85	8.1-8.5					•	

Sleeve

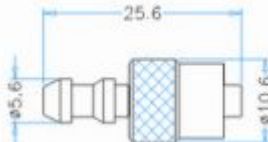
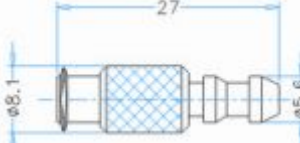
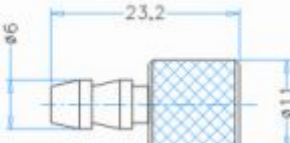
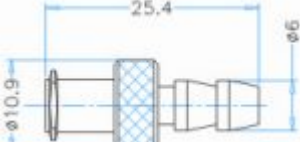

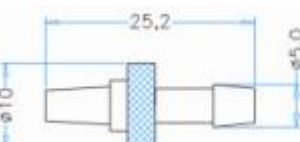
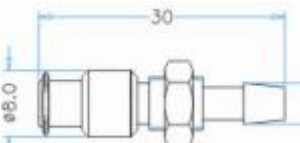
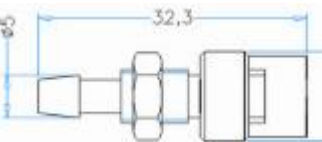
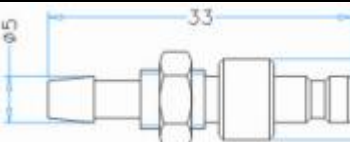
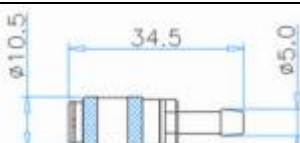


Sleeve code	Cable Φ (mm)	0B	1B	2B	3B
25	2.5-2.9	•			
30	3.0-3.4	•	•		
35	3.5-3.9	•	•		
40	4.0-4.4	•	•	•	
45	4.5-5.0	•	•	•	
51	5.1-5.6		•	•	•
57	5.7-6.2		•	•	•
63	6.3-7.0		•	•	•
71	7.1-7.9		•	•	•
80	8.0-8.9			•	•
90	9.0-9.9			•	•
01	10.0-10.5				•

Sleeve color

Color	blue	white	grey	yellow	brown
Code	A	B	G	J	M
Color	black	red	orange	green	
Code	N	R	S	V	

BP connector

Serial No.	Name	Sketch	Principle of structure	Remark
1	BP07		Lock with screw thread, seal with conicity	Mate with BP04 and BP04-S
2	BP04		Lock with screw thread, seal with conicity	Mate with BP07 and BP07-S
3	BP31		Lock with screw thread, seal with conicity	Mate with BP32
4	BP32		Lock with screw thread, seal with conicity	Mate with BP31
5	BPN		Lock and seal with conicity	Mate with BP05
6	BP05		Lock and seal with conicity	Mate with BPN
7	BP04-S		Lock with screw thread, seal with conicity	Mate with BP07 and BP07-S
8	BP07-S		Lock with screw thread, seal with conicity	Mate with BP04 and BP04-S
9	BP12-S		Lock with groove, seal with gasket ring	Mate with BP15
10	BP15		Lock with groove, seal with gasket ring	Mate with BP12-S