WEiPU® Connector



B.C.E. ELECTRONICS
Importation & Distribution
Electronic Components

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SYSTEM CERTIFICATION ISO 9001 SGS

Connect to put the new realm of technique

WEIPU Electrical Appliance Co.,Ltd was established in 1996, specialize in R&D and manufacturing the industrial connectors , we are the member of “National Electrical Appliances Standardization Technical Committees ” and one of the members to draft the national standard for industrial connectors GB11918-2014.



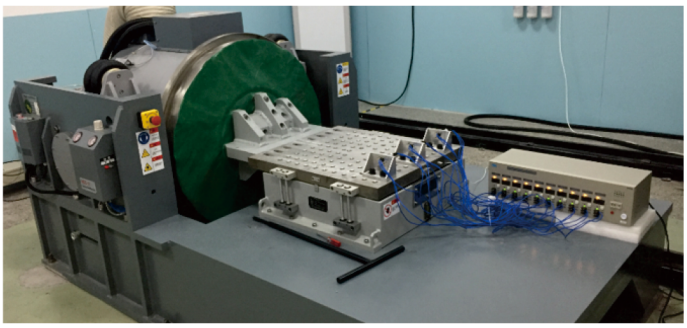
Factory premises

Workshop building



In-house Test Lab Equipment

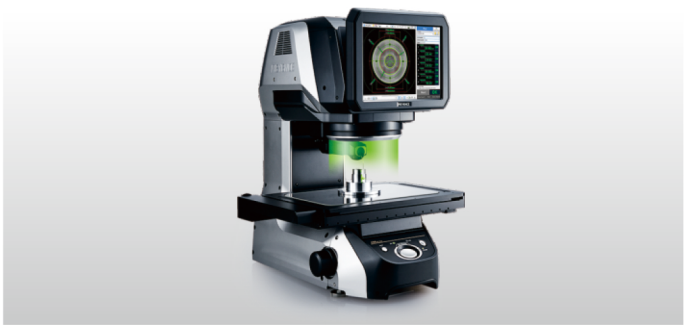




Vibration Test Equipment



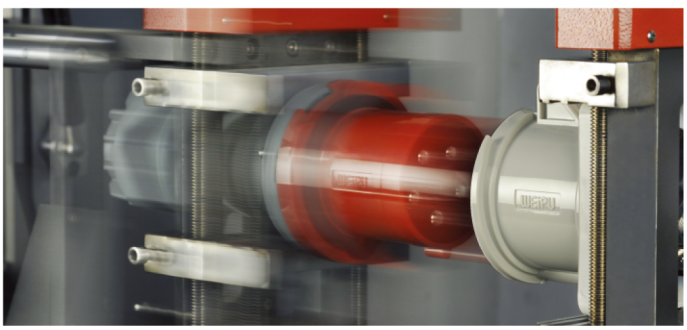
Electric Current Break Test Equipment



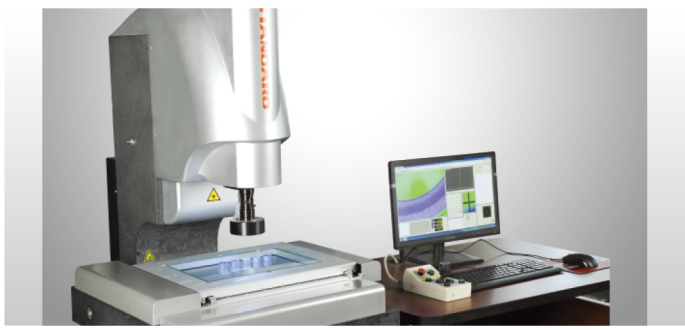
Optical Comparator



Waterproof Ip Rating Test Chamber



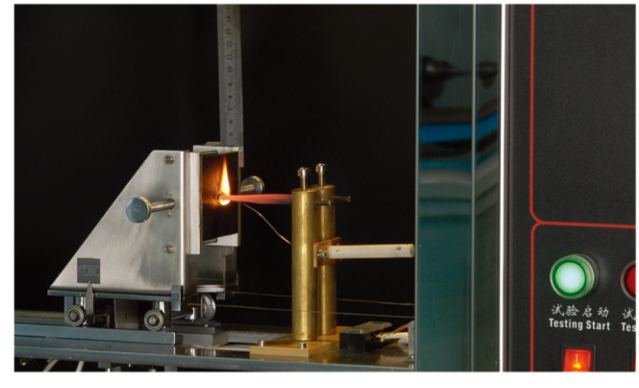
Mating Cycle Life Time Test Machine



Accurate Size Test Equipment






试验启动
Testing Start


MODEL:YH-8704

Series	Page

M23 Series

1-8

IP rating: IP67
Coupling: threaded
No. of contact: for power: 6,8
for sinal: 9,12,17,19



SF Series

11-19

IP rating: IP44 / IP67
Coupling: push-pull
No. of contact: SF6: 2-5 SF12: 2-9
SF8: 2-8 SF16: 2-10
SF10: 2-5 SF20: 2-15



SA Series

21-28

IP rating: IP67
Coupling: push-pull
No. of contact: SA6: 2-5 SA16:2-10
SA8: 2-8 SA20:2-15
SA10:2-5 SA28:2-35
SA12:2-9



ST Series

31-32

IP rating: IP67
Coupling: threaded
No. of contact: 2-9



Series	Page

SP Series

IP rating: IP68
Coupling: threaded
No. of contact: SP11: 2-5 SP21: 2-12
SP13: 2-9 SP29: 2-35
SP17: 2-10

33-38



SY Series

IP rating: IP67
Coupling: bayonet
No. of contact: SY11: 2-5
SY13: 2-9
SY17: 2-10
SY21: 2-12
SY29: 2-35

39-44



WA22 Series

IP rating: IP67
Coupling: threaded
No. of contact: 3+PE , 6+PE

47-50



WAC3 Series

IP rating: IP65
Coupling: bayonet
No. of contact: 3

51



Series	Page

RJ45F Series

53-54

IP rating: IP67
Coupling: bayonet



WP Series

55-56

IP rating: IP44 , IP55
Coupling: bayonet
No. of contact:2-15



WT Series

57

IP rating: for indoor only
Coupling: bayonet
No. of contact:3 , 5



WL52 Series

59-64

IP rating: IP67
Coupling: threaded
No. of contact:19



Series	Page

WD Series

67-68

IP rating: IP55, IP65
Coupling: threaded
No. of contact: 4, 15



WB Series

69-71

IP rating: for indoor only
Coupling: threaded
No. of contact: 4, 7



WS Series

73-81

IP rating: for indoor only
Coupling: threaded
No. of contact: 2-61



WF Series

83-91

IP rating: IP55, IP65, IP67
Coupling: threaded
No. of contact: 2-61



Series	Page

WY Series 91-98

IP rating: IP55 , IP65 , IP66 , IP67
Coupling: bayonet
No. of contact: 2-61



Electirical accessories 101-104

Cable gland
Adapter
Junction-box



Solder contact spec 105-106

For WP,WS , WF , WY series

Crimp contact spec and tool 107-110

For SP , SY , SF , SA , WP,WS , WF , WY series

Screw contact Spec 111-112

Solder contact to crimp 113-115



WEiPU Connector

IP67

M23
Power



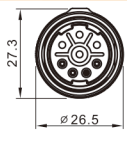
M23 for power

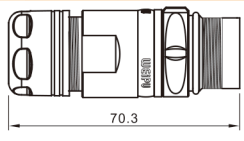
Material and spec

Shell material	Zinc alloy with nickel plating
Contact material	Brass with gold plating
Insert material	PA66
Insulation resistance	$>10^{13}$ mΩ
Termination	Crimp
Temperature range	-40℃~+125℃
Mating cycle	1000
Cable outer diameter range	I: 4-8mm (Special order) II: 8-13mm (Standard) III: 12-17mm (Special order)
IP rating	IP67
Coupling	Threaded coupling



Male contact cable connector





M23DJ _TK_ _ _

Number of contact

Colour
Gray:GY (Standard)
Black:BK (Special order),Orange:OG (Special order)
Blue:BU (Special order),Green:GN (Special order)
Purple:PL (Special order)

Cable outer diameter range
I: 4-8mm (Special order) II: 8-13mm (Standard)
III: 12-17mm (Special order)

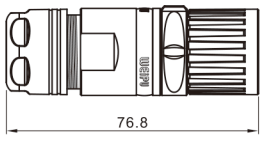
S: Shield
U: Unshielded



Female contact cable connector

M23DK _TK_ _ _





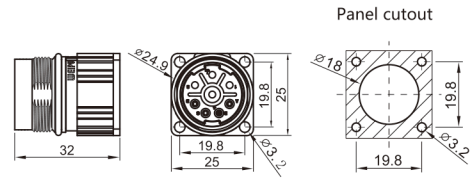


Male contact
square flange receptacle

M23DJ _Z_

Number of contact

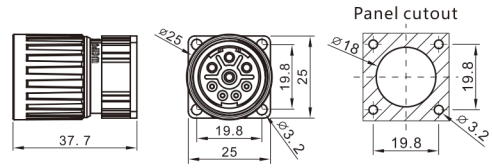
Colour
Gray:GY (Standard)
Black:BK (Special order),Orange:OG (Special order)
Blue:BU (Special order),Green:GN (Special order)
Purple:PL (Special order)





Female contact
square flange receptacle

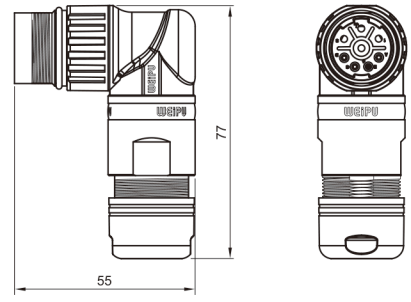
M23DK _Z_





Male contact
angled cable connector

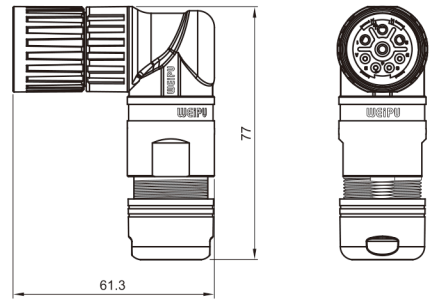
M23DJ _TL_ _ _





Female contact
angled cable connector

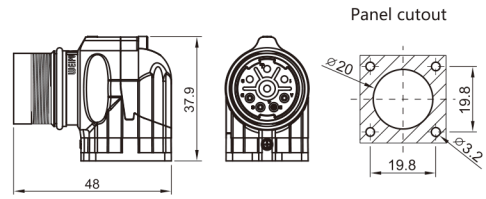
M23DK _TL_ _ _





Male contact angled
square flange receptacle

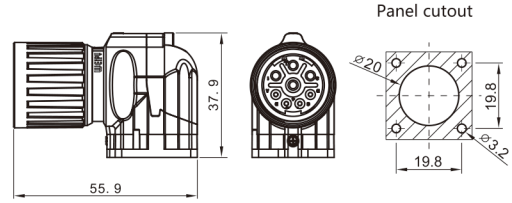
M23DJ _ZL_





Female contact angled
square flange receptacle

M23DK _ZL_



M23 for power contact arrangement and spec

Male contact face view	Number of contact	Contact diameter (mm)	Rated voltage (AC.V)	Rated current (A)	Test voltage (AC.V)1min
	6(5+PE)	⌀2	600	28	4000
	8(3+4+PE)	⌀1×4 ⌀2×4	300 600	8 28	2500

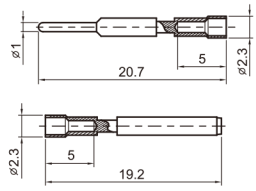
M23 contact spec

8A Crimp contact

Contact diameter:∅ 1

Material: Brass with gold plating





8A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.25-1.0mm ^{2} AWG 23-17	4mm	YJ1-20.7-1.0AU	CT-W26/12

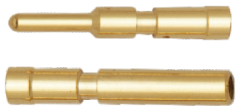
8A Female crimp contact

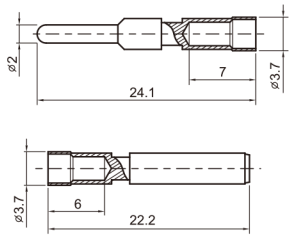
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.25-1.0mm ^{2} AWG 23-17	4mm	YK1-19.2-1.0AU	CT-W26/12

28A Crimp contact

Contact diameter:∅2

Material: Brass with gold plating





28A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
1-2.5mm ^{2} AWG 18-13	7mm	YJ2-24.1-2.5AU	CT-W26/12
2.5-4mm ^{2} AWG 13-12	7mm	YJ2-24.1-4.0AU	CT-W26/12

28A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
1-2.5mm ^{2} AWG 18-13	6mm	YK2-22.2-2.5AU	CT-W26/12
2.5-4mm ^{2} AWG 13-12	6mm	YK2-22.2-4.0AU	CT-W26/12

Crimp tool

For crimping the male / female contacts



Part number	Crimping wire range
CT-P20/28	0.08-0.52mm^2 AWG 28-20
CTW-0.14/4	0.14-4mm^2 AWG 25-11
CT-4/10	4-10mm^2 AWG 11-7

IP67

M23
Signal



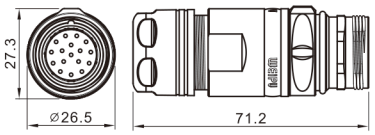
M23 for signal

Material and spec

Shell material	Zinc alloy with nickel plating
Contact material	Brass with gold plating
Insert material	PA66
Insulation resistance	9、12 pins: ＞10^{10} mΩ　　17、19 pins: ＞10^{6} mΩ
Termination	Crimp
Temperature range	-40℃~+125℃
Mating cycle	1000
Cable outer diameter range	I: 4-8mm (Special order) II: 8-13mm (Standard) III: 12-17mm (Special order)
IP rating	IP67
Coupling	Threaded coupling



Male contact cable connector



M23SJ _TK_ _ _

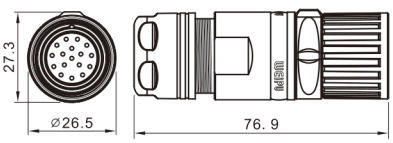
Number of contact

- Coded chuck (See P7)
  N: Gray (Standard), S:Black (Special order)
  H: Orange (Special order), X: Blue (Special order)
  Y: Green (Special order), Z: Purple (Special order)
- Cable outer diameter range
  I: 4-8mm (Special order)　II: 8-13mm (Standard)
  III: 12-17mm (Special order)
- S: Shield
  U: Unshielded



Female contact cable connector

M23SK _TK_ _ _



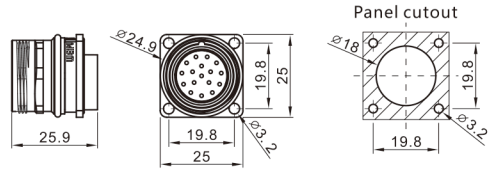


Male contact
square flange receptacle

M23SJ _Z_

Number of contact

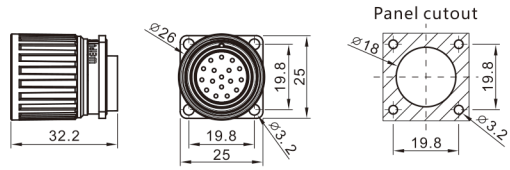
Coded chuck (See P7)
N: Gray (Standard), S:Black (Special order)
H: Orange (Special order), X: Blue (Special order)
Y: Green (Special order), Z: Purple (Special order)





Female contact
square flange receptacle

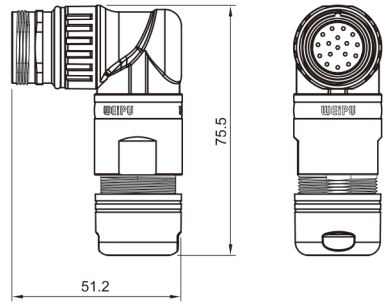
M23SK_Z_





Male contact
angled cable connector

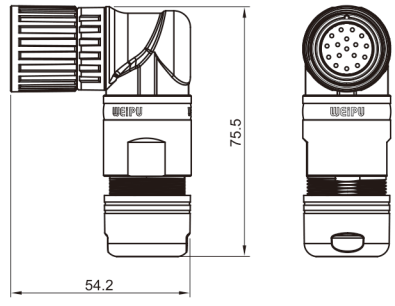
M23SJ _TL_ _ _





Female contact
angled cable connector

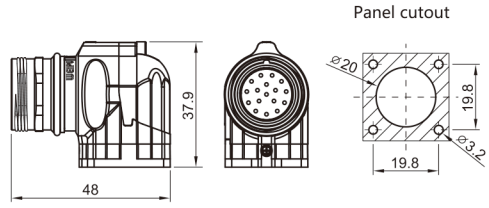
M23SK _TL_ _ _





Male contact angled
square flange receptacle

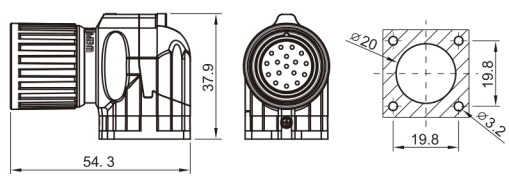
M23SJ _ZL_



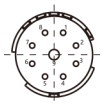
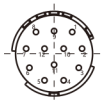
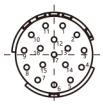
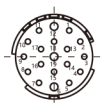


Female contact angled
square flange receptacle

M23SK _ZL_

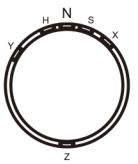


M23 for signal contact arrangement and spec

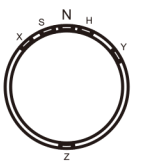
Male contact face view	Number of contact	Contact diameter (mm)	Rated voltage (AC.V)	Rated current (A)	Test voltage (AC.V)1min
	9(8+1)	⌀1×8 ⌀2×1	300	8 20	2500
	12	⌀1×12	300	8	2500
	17	⌀1×17	150	8	1500
	19(16+3)	⌀1×16 ⌀1.5×3	150	8 10	1500

Number of Contact	Optional Angle
9	N,S,H,X,Y
12	N,S,H,X,Y,Z
17	N,S,H,X,Y,Z
19	N,S,H,X,Y

Code N is open in original state, if you need to use another, please open the coded chuck head.



Female contact face view



Male contact face view



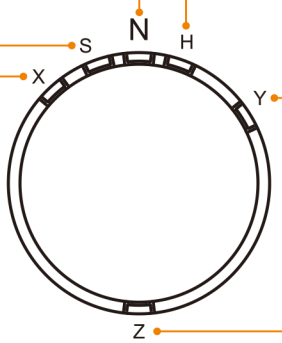












Choose different coded chucks with different colours

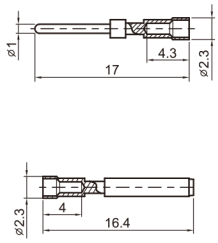
M23 for signal contact spec

8A Crimp contact

Contact diameter: ∅1

Material: Brass with gold plating





8A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.08-0.5mm ^{2} AWG 28-20	4mm	YJ1-17-0.56AU	CT-W32/20
0.56-1mm ^{2} AWG 20-17	4mm	YJ1-17-1.0AU	CT-W26/12
1-1.5mm ^{2} AWG 17-16	4mm	YJ1-17-1.5AU	CT-W26/12

8A Female crimp contact

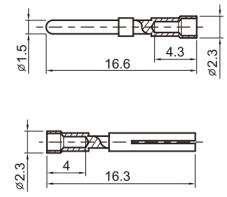
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.08-0.5mm ^{2} AWG 28-20	4mm	YK1-16.4-0.56AU	CT-W32/20
0.56-1mm ^{2} AWG 20-17	4mm	YK1-16.4-1.0AU	CT-W26/12
1-1.5mm ^{2} AWG 17-16	4mm	YK1-16.4-1.5AU	CT-W26/12

10A Crimp contact

Contact diameter: ∅1.5

Material: Brass with gold plating





10A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.14-0.5mm^2 AWG 26-20	4mm	YJ1.5-16.6-0.56AU	CT-W26/12
0.5-1mm^2 AWG 20-17	4mm	YJ1.5-16.6-1.0AU	CT-W26/12

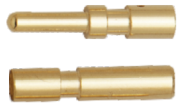
10A Female crimp contact

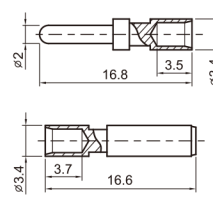
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.14-0.5mm^2 AWG 26-20	4mm	YK1.5-16.3-0.56AU	CT-W26/12
0.56-1mm^2 AWG 20-17	4mm	YK1.5-16.3-1.0AU	CT-W26/12

20A Crimp contact

Contact diameter: ∅2

Material: Brass with gold plating





20A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.75-2.5mm^2 AWG 18-13	3.5mm	YJ2-16.8-2.5AU	CT-W26/12

20A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.75-2.5mm^2 AWG 18-13	3.5mm	YK2-16.6-2.5AU	CT-W26/12

Crimp tool

For crimping the male / female contacts



Part number	Crimping wire range
CT-P20/28	0.08-0.52mm^2 AWG 28-20
CTW-0.14/4	0.14-4mm^2 AWG 25-11
CT-4/10	4-10mm^2 AWG 11-7



IP67 M23 Series



WEiPU Connector

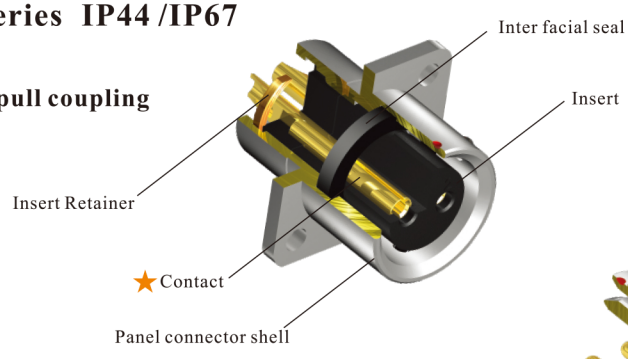
IP67

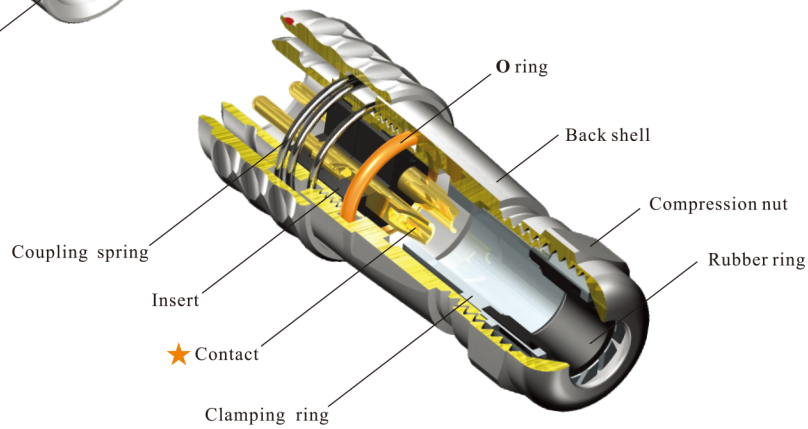
SF Series



SF Series IP44 /IP67

Push-pull coupling





★ Each side can be male or female contact

Material and spec

Coupling	Push-pull
Shell material	Brass with chrome plating
Insert material	PPS max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: SF6, SF8, SF10, SF12, SF16, SF20 Crimp: SF16, SF20 Screw: SF20 (Ø2.5mm contact)
Cable outer diameter range	SF6: 3-4mm SF8: 4-5mm SF10: 4-6. 5mm SF12: I: 4-6. 5mm, II: 5-8mm SF16 I: 5-8mm, II: 8-12mm SF20 I: 8-12mm
IP rating	SF6, SF8: IP44 / IP67 SF6B, SF8B,SF10, SF12, SF16, SF20: IP67
Mating cycle	500
Temperature range	-40℃ ~+85℃
Insulation resistance	2000MΩ

SF6 Series IP44



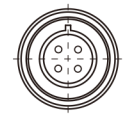
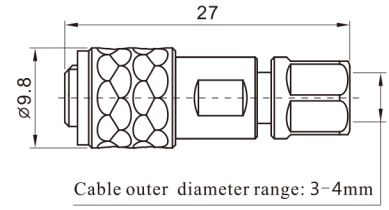

SF610/P__ SF610/S__

Male contact

Number of contact

Female contact

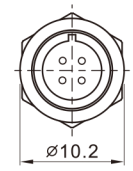
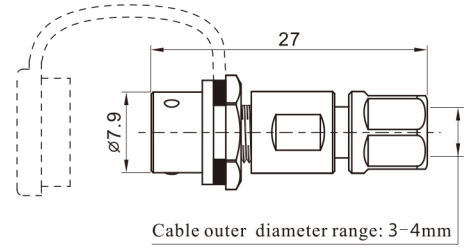
Cable connector
Mate with SF611, SF612, SF615,




SF611/P__ SF611/S__

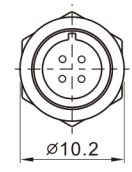
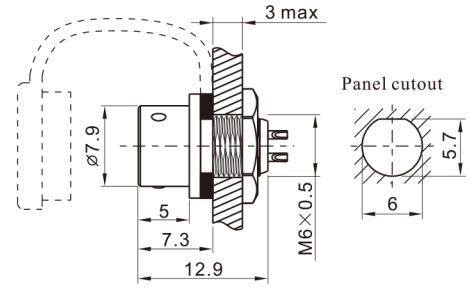
In-line cable connector
Mate with SF610




SF612/P__ SF612/S__

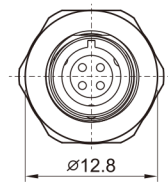
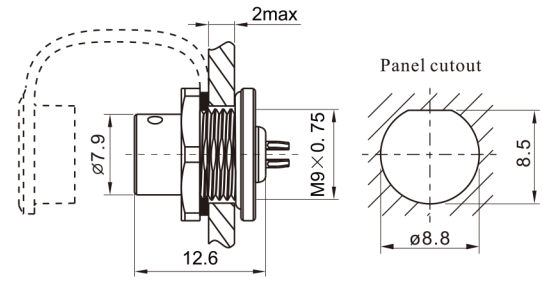
Rear-nut mount
Mate with SF610

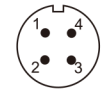
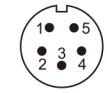



SF615/P__ SF615/S__

Front-nut mount
Mate with SF610

Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter(mm)	ø0.6×2	ø0.6×3	ø0.6×4	ø0.6×5
Rated voltage (AC.V)	30	30	30	30
Test voltage(AC.V) 1 min	500	500	500	500
Contact resistance (mΩ)	10	10	10	10
Wire size (mm²/AWG)	≤0.5/20	≤0.5/20	≤0.5/20	≤0.5/20





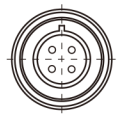
SF610B/P__ SF610B/S__

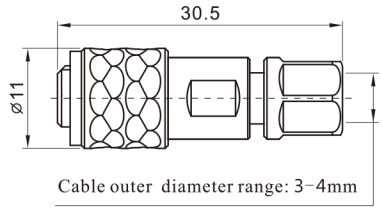
Male contact

Number of contact

Female contact

Cable connector
Mate with SF611B, SF612B, SF615B



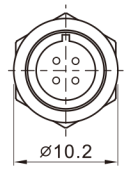


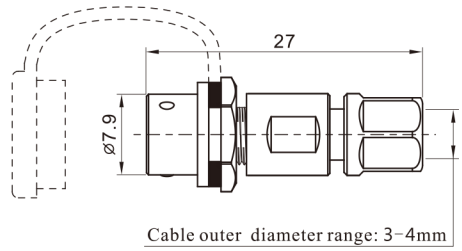




SF611B/P__ SF611B/S__

In-line cable connector
Mate with SF610B



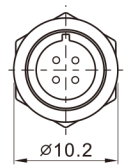


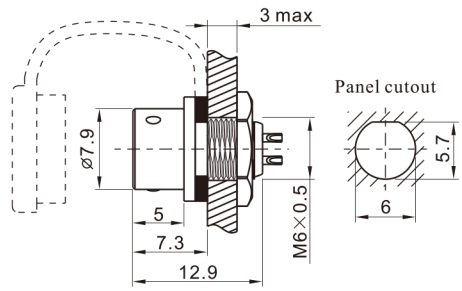




SF612B/P__ SF612B/S__

Rear-nut mount
Mate with SF610B



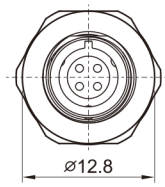


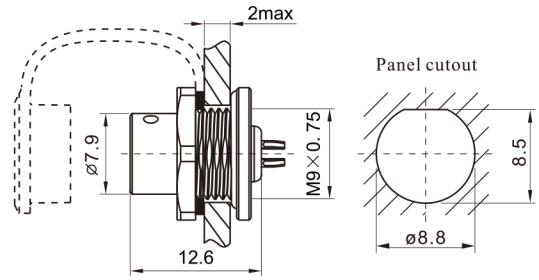




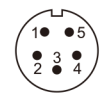
SF615B/P__ SF615B/S__

Front-nut mount
Mate with SF610B





Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter(mm)	ø0.6×2	ø0.6×3	ø0.6×4	ø0.6×5
Rated voltage (AC.V)	30	30	30	30
Test voltage(AC.V) 1 min	500	500	500	500
Contact resistance(mΩ)	10	10	10	10
Wire size(mm²/AWG)	≤0.5/20	≤0.5/20	≤0.5/20	≤0.5/20

SF8 Series IP44





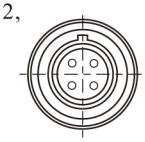
SF810/P__ **SF810/S__**

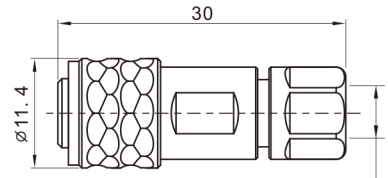
Male contact

Number of contact

Female contact

Cable connector
Mate with SF811, SF812, SF815





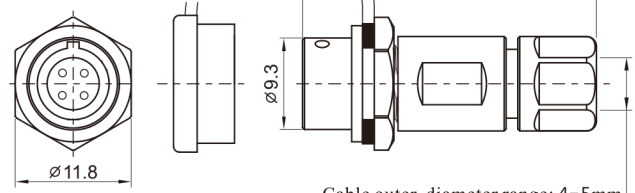
Cable outer diameter range: 4–5mm





SF811/P__ **SF811/S__**

In-line cable connector
Mate with SF810



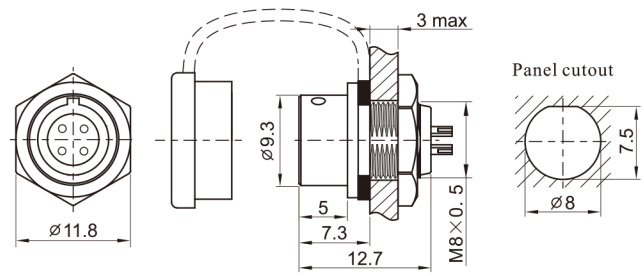
Cable outer diameter range: 4–5mm





SF812/P__ **SF812/S__**

Rear-nut mount
Mate with SF810

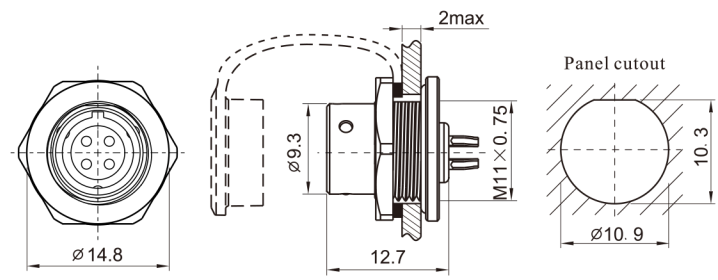




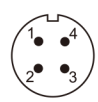
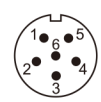
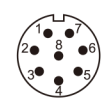


SF815/P__ **SF815/S__**

Front-nut mount
Mate with SF810



Solder contact spec

Number of contact	2	3	4	6	8
Male contact face view					
Rated current (A)	5	5	3	3	3
Contact diameter(mm)	ø1×2	ø1×3	ø0.6×4	ø0.6×6	ø0.6×8
Rated voltage (AC.V)	125	125	30	30	30
Test voltage(AC.V) 1 min	1000	1000	500	500	500
Contact resistance (mΩ)	5	5	10	10	10
Wire size (mm²/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20	≤0.5/20

SF8B Series IP67





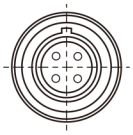
SF810B/P__ **SF810B/S__**

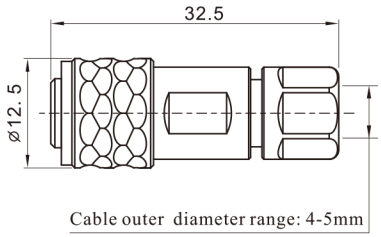
Male contact

Number of contact

Female contact

Cable connector
Mate with SF811B, SF812B, SF815B



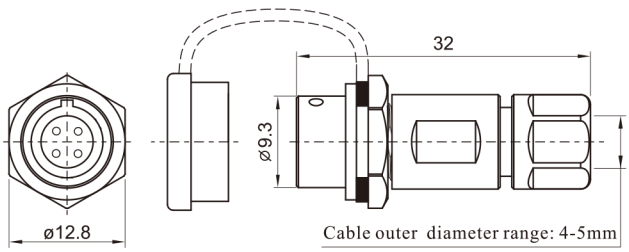






SF811B/P__ **SF811B/S__**

In-line cable connector
Mate with SF810B

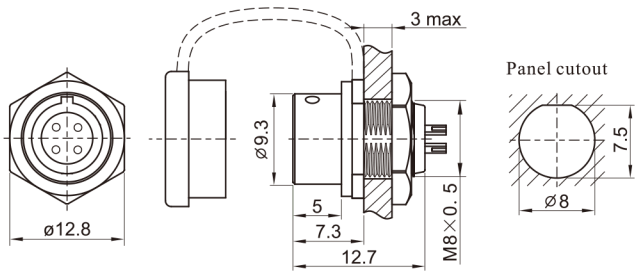






SF812B/P__ **SF812B/S__**

Rear-nut mount
Mate with SF810B

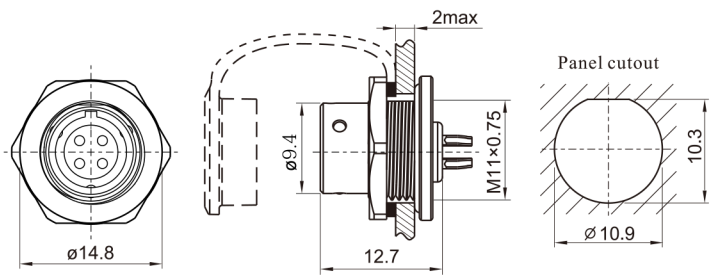






SF815B/P__ **SF815B/S__**

Front-nut mount
Mate with SF810B



Solder contact spec

Number of contact	2	3	4	6	8
Male contact face view					
Rated current (A)	5	5	3	3	3
Contact diameter(mm)	ø1×2	ø1×3	ø0.6×4	ø0.6×6	ø0.6×8
Rated voltage (AC.V)	125	125	30	30	30
Test voltage(AC.V) 1 min	1000	1000	500	500	500
Contact resistance (mΩ)	5	5	10	10	10
Wire size (mm²/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20	≤0.5/20

SF10 Series IP67





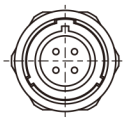
SF1010 / P__ **SF1010 / S__**

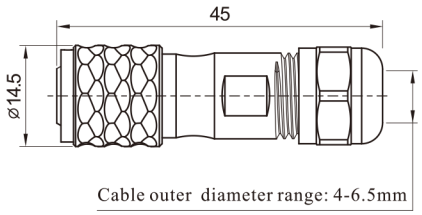
Male contact

Number of contact

Female contact

Cable connector
Mate with SF1011, SF1012, SF1015





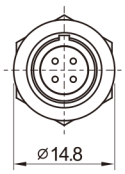
Cable outer diameter range: 4-6.5mm

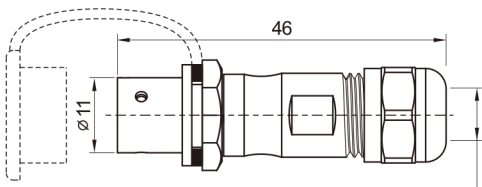




SF1011 / P__ **SF1011 / S__**

In-line cable connector
Mate with SF1010





Cable outer diameter range: 4-6.5mm

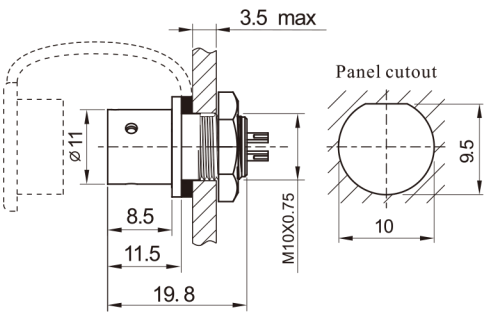




SF1012 / P__ **SF1012 / S__**

Rear-nut mount
Mate with SF1010



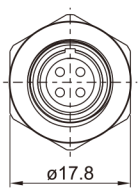


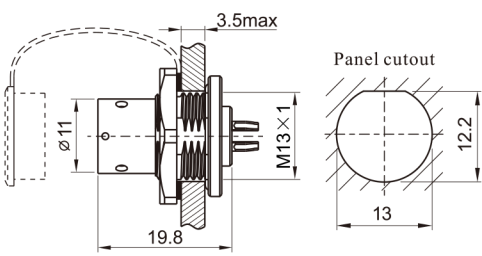




SF1015 / P__ **SF1015 / S__**

Front-nut mount
Mate with SF1010





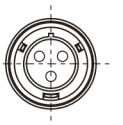
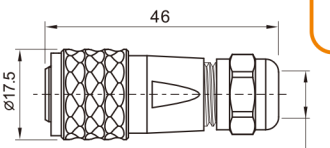
Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter(mm)	ø1×2	ø1×3	ø0.7×4	ø0.7×5
Rated voltage (AC.V)	180	180	125	125
Test voltage(AC.V) 1 min	1000	1000	1000	1000
Contact resistance(mΩ)	5	5	10	10
Wire size(mm²/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

SF 12




Cable connector
Mate with SF1211, SF1212,
SF1213, SF1215

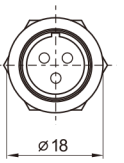
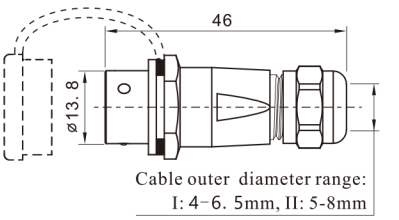



SF1210 / P_ _ **SF1210 / S_ _ _**

- Male contact
- Cable outer diameter I : 4-6.5mm, II : 5-8mm
- Number of contact
- Female contact
- (U): cULus LISTED



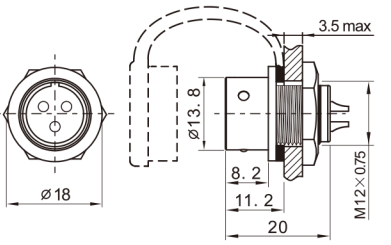

In-line cable connector
Mate with SF1210, SF1214

SF1211 / P_ _ **SF1211 / S_ _ _**




Rear-nut mount
Mate with SF1210,
SF1214

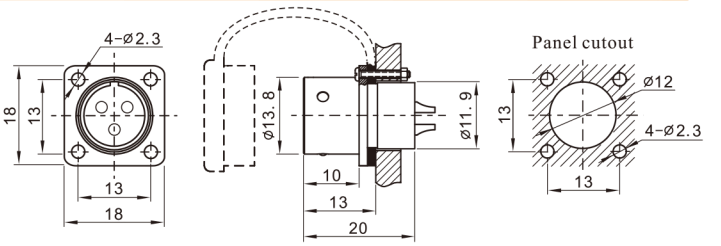


SF1212 / P_ **SF1212 / S_ _**

- (U): cULus LISTED
- Number of contact




Square flange
Mate with SF1210,
SF1214

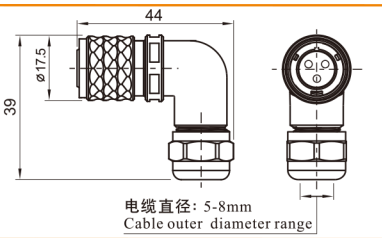


SF1213 / P_ **SF1213 / S_ _**

- Number of contact
- (U): cULus LISTED




Angled cable connector
Mate with SF1211, SF1212, SF1213, SF1215

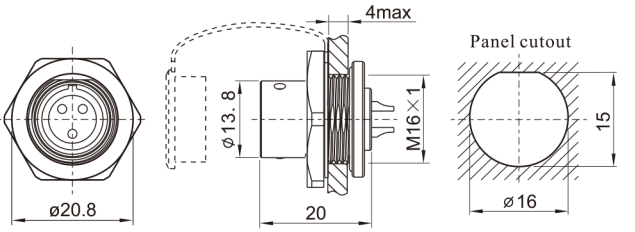


SF1214 / P_ II **SF1214 / S_ II _**

- Number of contact
- (U): cULus LISTED




Front-nut mount
Mate with SF1210,
SF1214



SF1215 / P_ **SF1215 / S_ _**

- (U): cULus LISTED
- Number of contact

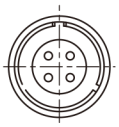
Solder contact spec

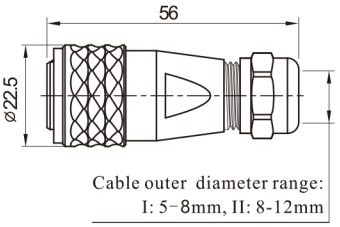
Number of contact	2	3	4 cULus LISTED	5 cULus LISTED	6 cULus LISTED	7 cULus LISTED	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter(mm)	Ø1.6X2	Ø1.6X3	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
Rated voltage (AC.V)	250	250	200 / 300 cULus LISTED	180 / 300 cULus LISTED	125 / 300 cULus LISTED	125 / 300 cULus LISTED	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
Wire size (mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

SF 16



Cable connector
Mate with SF1611, SF1612, SF1613, SF1615



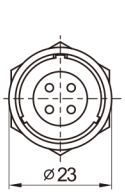


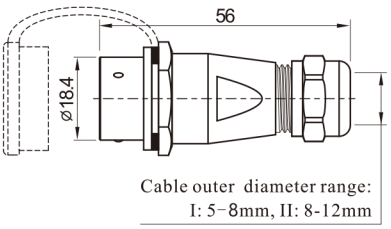
SF1610 / P__ __-__ SF1610 / S__ __-__

- Male contact
- Female contact
- Number of contact
- Cable outer diameter I: 5-8mm, II:8-12mm
- 1: solder, 3: crimp



In-line cable connector
Mate with SF1610

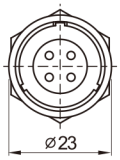


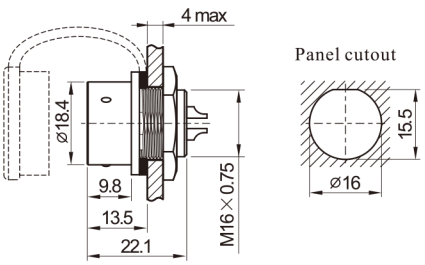


SF1611 / P__ __-__ SF1611 / S__ __-__



Rear-nut mount
Mate with SF1610



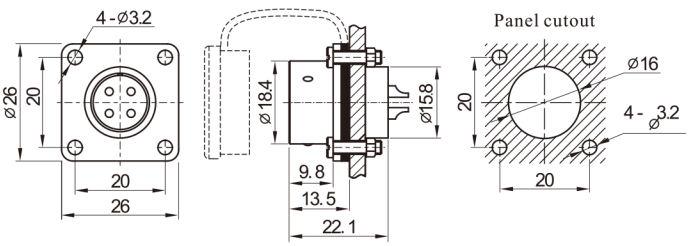


SF1612 / P__-__ SF1612 / S__-__

- 1: solder, 3: crimp
- Number of contact



Square flange
Mate with SF1610

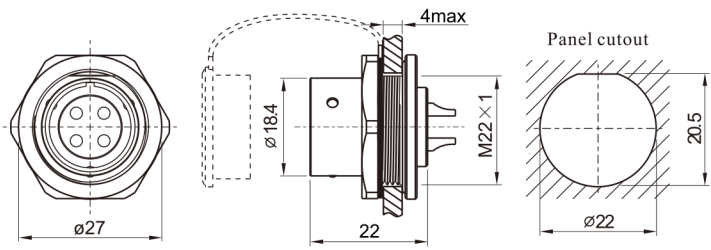


SF1613 / P__-__ SF1613 / S__-__

- 1: solder, 3: crimp
- Number of contact



Front-nut mount
Mate with SF1610

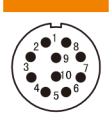


SF1615 / P__-__ SF1615 / S__-__

- 1: solder, 3: crimp
- Number of contact

Solder contact spec

★ Crimp contact spec see P107-P110

Number of contact	2	3	4	2B	3B	4B	5	7	9	10
Male contact face view										
Rated current (A)	10	10	5	15	15	15	5	5	5	5
Contact diameter(mm)	ø1.5X2	ø1.5X3	ø1X4	ø2X2	ø2X3	ø2X4	ø1X5	ø1X7	ø1X9	ø1X10
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Wire size (mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

SF 20



SF2010 / P__-__ **SF2010 / S__-__**

Male contact

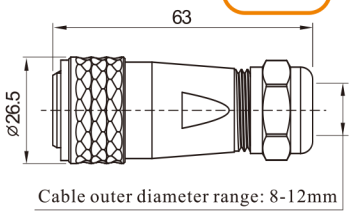
1: solder, 2: screw, 3: crimp

Number of contact

Female contact

Cable connector
Mate with SF2011, SF2012, SF2013, SF2015



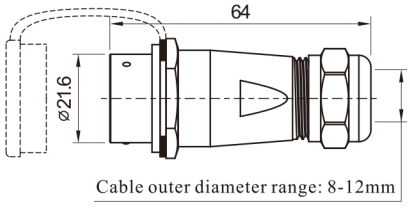




SF2011 / P__-__ **SF2011 / S__-__**

In-line cable connector
Mate with SF2010





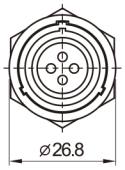


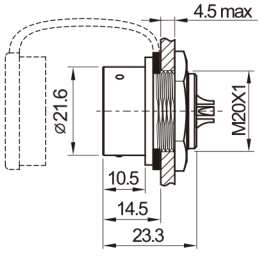
SF2012 / P__-__ **SF2012 / S__-__**

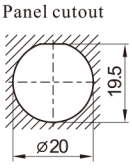
1: solder, 2: screw, 3: crimp

Number of contact

Rear-nut mount
Mate with SF2010







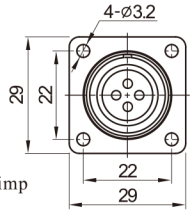


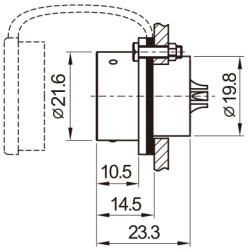
SF2013 / P__-__ **SF2013 / S__-__**

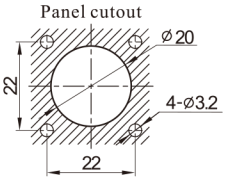
1: solder, 2: screw, 3: crimp

Number of contact

Square flange
Mate with SF2010







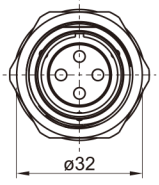


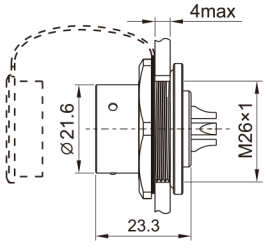
SF2015 / P__-__ **SF2015 / S__-__**

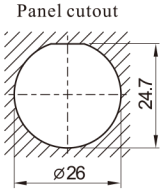
1: solder, 2: screw, 3: crimp

Number of contact

Front-nut mount
Mate with SF2010

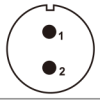
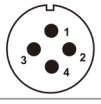
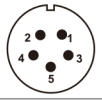
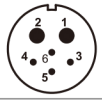
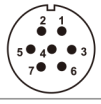
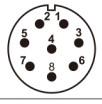
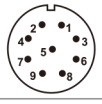
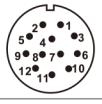
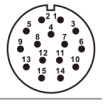






Solder contact spec

★Crimp contact spec see P107-P110 ★Screw contact spec see P111-P112

Number of contact	2	3	4	5	6	6B	7	8	9	12	15
Male contact face view											
Rated current (A)	25	25	25	10	25 5	30 5	10	10	5	5	5
Contact diameter(mm)	ø2.5X2	ø2.5X3	ø2.5X4	ø1.5X5	ø2.5X4 ø1X2	ø3X2 ø1X4	ø1.5X7	ø1.5X8	ø1X9	ø1X12	ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	1	1	1	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm / AWG)	⩽4/11	⩽4/11	⩽4/11	⩽2/14	⩽4/11 ⩽0.75/18	⩽4/11 ⩽0.75/18	⩽2/14	⩽2/14	⩽0.75/18	⩽0.75/18	⩽0.75/18
Wire size for screw termination (mm^2 / AWG)	⩽1.5/15	⩽1.5/15	⩽1.5/15	/	/	/	/	/	/	/	/



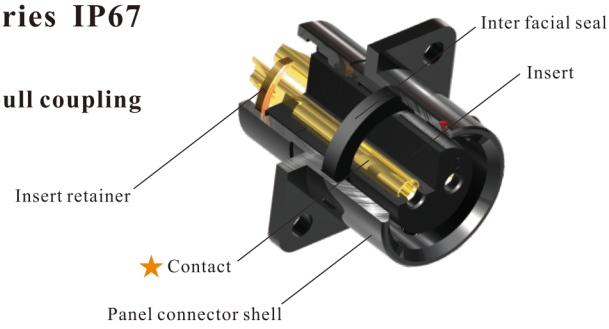
IP67

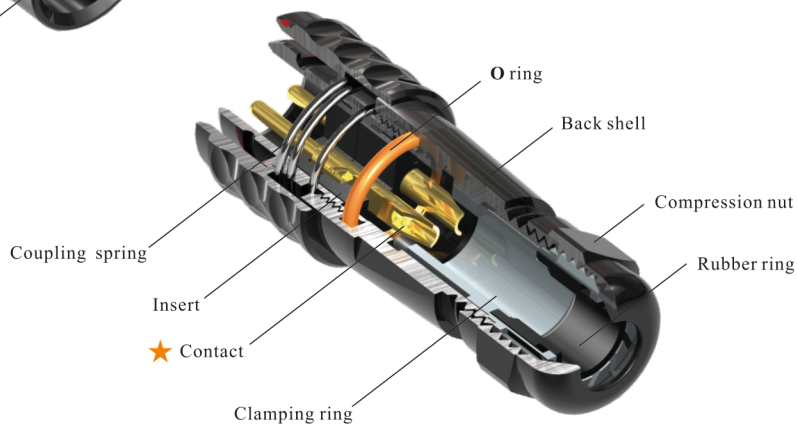
SA Series



SA Series IP67

Push-pull coupling





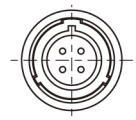
★ Each side can be male or female contact

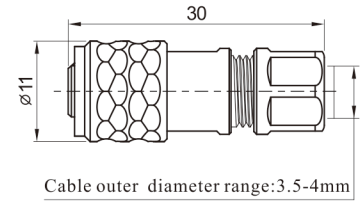
Material and spec

Coupling	Push-pull
Shell material	Anodized aluminium
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: SA6, SA8, SA10, SA12, SA16, SA20, SA28 Crimp: SA16, SA20, SA28 Screw: SA20, SA28
Cable outer diameter range	SA6: 3.5−4mm SA8: 4−5mm SA10: 4−6.5mm SA12: **I**: 4−6.5mm, **II**: 5-8mm SA16: **I**: 5−8mm, **II** : 8-12mm SA20: 8−12mm SA28: 13-16mm
IP rating	IP67
Mating cycle	500
Temperature range	-40℃ ~ +85℃
Insulation resistance	2000 MΩ



Cable connector
Mate with SA611, SA612, SA615





Cable outer diameter range:3.5-4mm

SA610 / P___ **SA610 / S___**

Male contact

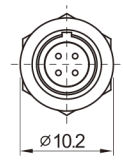
Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

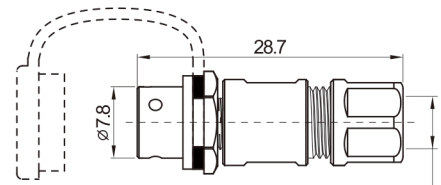
Number of contact

Female contact



In-line cable connector
Mate with SA610



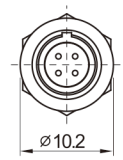


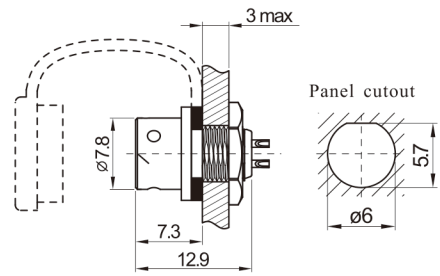
Cable outer diameter range:3.5-4mm

SA611 / P___ **SA611 / S___**



Rear-nut mount
Mate with SA610

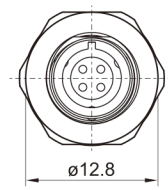


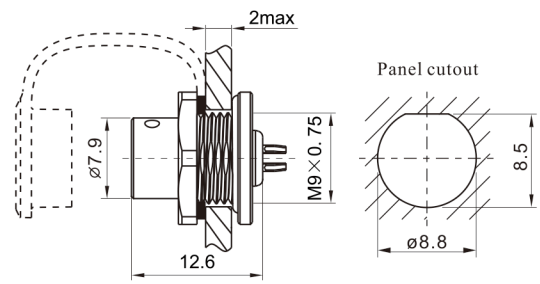


SA612 / P___ **SA612 / S___**



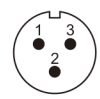
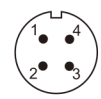
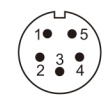
Front-nut mount
Mate with SA610





SA615 / P___ **SA615 / S___**

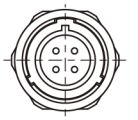
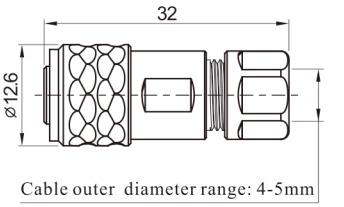
Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter(mm)	ø0.6×2	ø0.6×3	ø0.6×4	ø0.6×5
Rated voltage (AC.V)	30	30	30	30
Test voltage(AC.V) 1 min	500	500	500	500
Contact resistance (mΩ)	10	10	10	10
Wire size (mm²/AWG)	≤0.5/20	≤0.5/20	≤0.5/20	≤0.5/20

SA8 Series




Cable connector
Mate with SA811, SA812, SA815

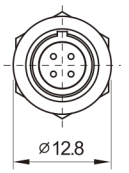
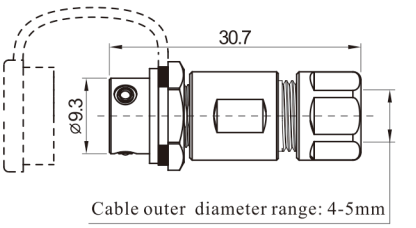



SA810 / P___ **SA810 / S___**

- Male contact
- Colour:
  - B: Black
  - S: Silver
  - L: Blue (special order)
  - G: Green (special order)
  - R: Red (special order)
- Number of contact
- Female contact



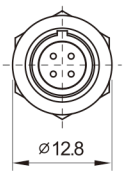
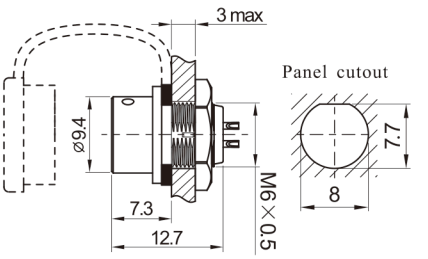

In-line cable connector
Mate with SA810

SA811 / P___ **SA811 / S___**



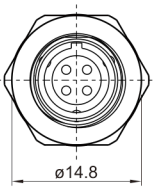
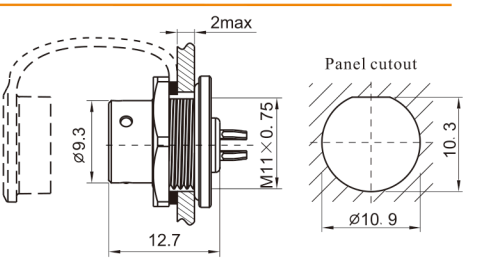

Rear-nut mount
Mate with SA810

SA812 / P___ **SA812 / S___**

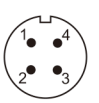
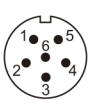
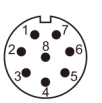



Front-nut mount
Mate with SA810

SA815 / P___ **SA815 / S___**

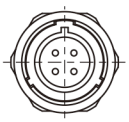
Solder contact spec

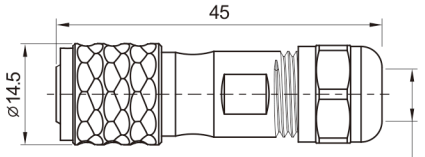
Number of contact	2	3	4	6	8
Male contact face view					
Rated current (A)	5	5	3	3	3
Contact diameter(mm)	ø1×2	ø1×3	ø0.6×4	ø0.6×6	ø0.6×8
Rated voltage (AC.V)	125	125	30	30	30
Test voltage(AC.V) 1 min	1000	1000	500	500	500
Contact resistance (mΩ)	5	5	10	10	10
Wire size (mm²/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20	≤0.5/20





Cable connector
Mate with SA1011, SA1012, SA1015





Cable outer diameter range: 4-6.5mm

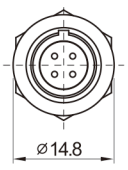
SA1010 / P__ **SA1010 / S__**

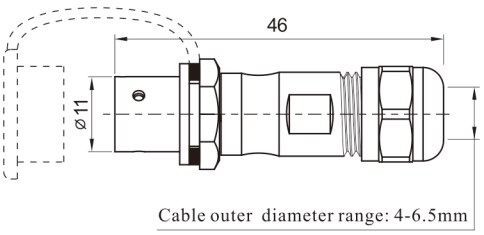
- Male contact
- Colour:
  - B: Black
  - S: Silver
  - L: Blue (special order)
  - G: Green (special order)
  - R: Red (special order)
- Number of contact
- Female contact





In-line cable connector
Mate with SA1010





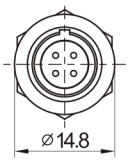
Cable outer diameter range: 4-6.5mm

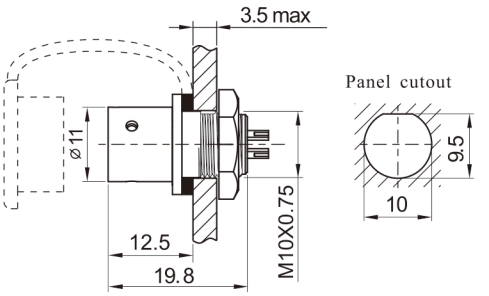
SA1011 / P__ **SA1011 / S__**





Rear-nut mount
Mate with SA1010



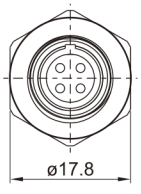


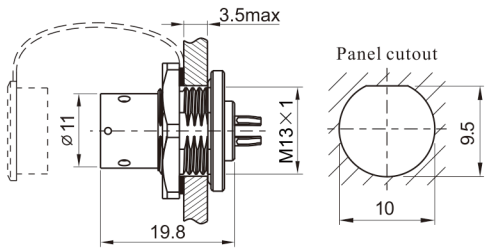
SA1012 / P__ **SA1012 / S__**





Front-nut mount
Mate with SA1010





SA1015 / P__ **SA1015 / S__**

Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter(mm)	ø1×2	ø1×3	ø0.7×4	ø0.7×5
Rated voltage (AC.V)	180	180	125	125
Test voltage(AC.V) 1 min	1000	1000	1000	1000
Contact resistance (mΩ)	5	5	10	10
Wire size (mm²/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

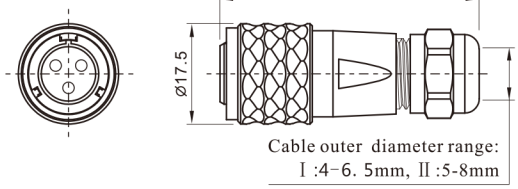
SA 12



SA1210/P___ SA1210/S___

Male contact
Number of contact
Female contact
Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)
Cable outer diameter
Ⅰ: 4-6.5mm, Ⅱ: 5-8mm

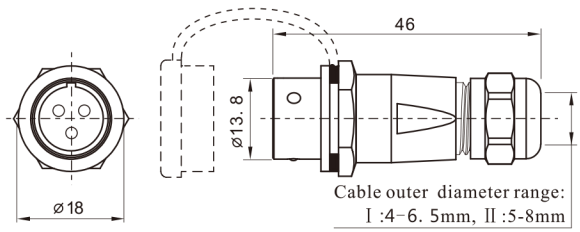
Cable connector
Mate with SA1211, SA1212, SA1213, SA1215





SA1211/P___ SA1211/S___

In-line cable connector
Mate with SA1210

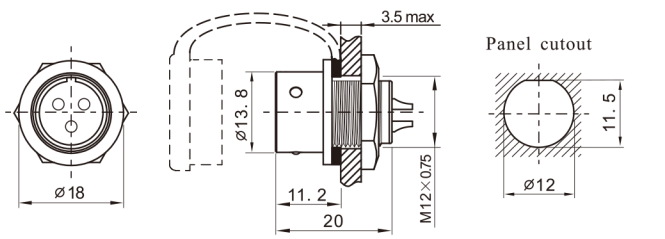




SA1212/P__ SA1212/S__

Number of contact
Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

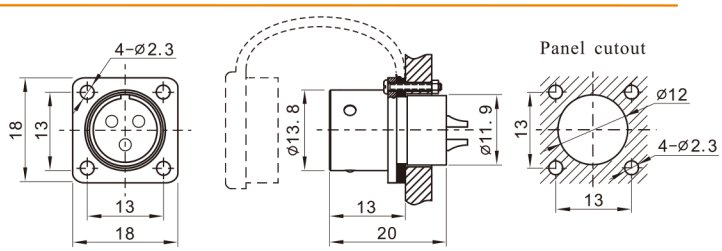
Rear-nut mount
Mate with SA1210





SA1213/P__ SA1213/S__

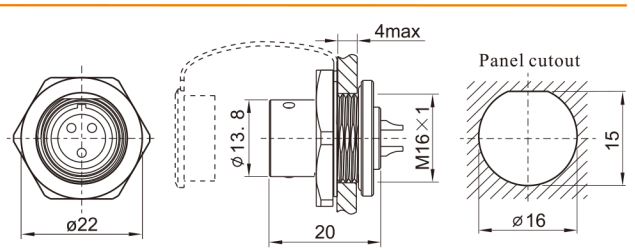
Square flange
Mate with SA1210





SA1215/P__ SA1215/S__

Front-nut mount
Mate with SA1210



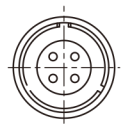
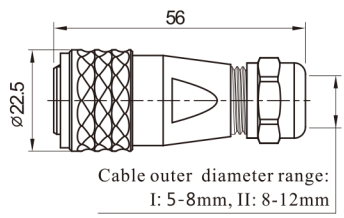
Solder contact spec

Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter	ø1. 6X2	ø1. 6X3	ø1X4	ø1X5	ø1X6	ø1X7	ø0.7X9
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
Wire size (mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

SA 16




Cable connector
Mate with SA1611, SA1612, SA1613, SA1615

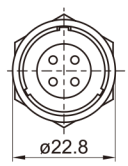
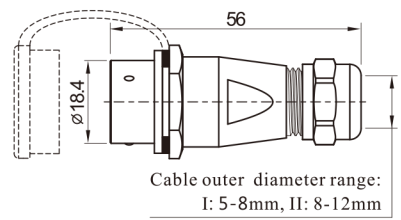
Cable outer diameter range:
I: 5-8mm, II: 8-12mm

SA1610/P___-_ SA1610/S____-_

- Male contact
- Female contact
- Number of contact
- Cable outer diameter I: 5−8mm, II: 8-12mm
- 1: solder, 3: crimp
- Colour:
  - B: Black
  - S: Silver
  - L: Blue (special order)
  - G: Green (special order)
  - R: Red (special order)




In-line cable connector
Mate with SA1610

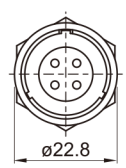
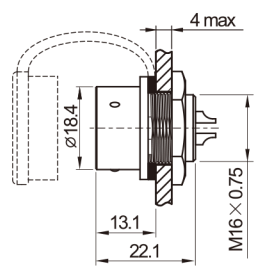



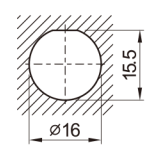
Cable outer diameter range:
I: 5-8mm, II: 8-12mm

SA1611/P___-_ SA1611/S____-_




Rear-nut mount
Mate with SA1610

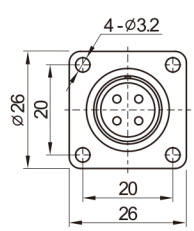


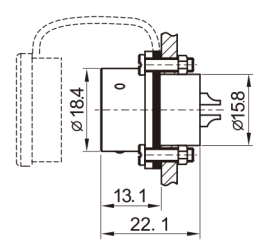
SA1612/P__-__ SA1612/S___-_

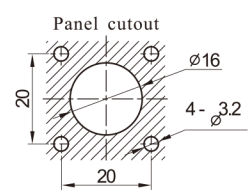
- Number of contact
- 1: solder, 3: crimp
- Colour




Square flange
Mate with SA1610



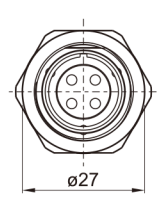


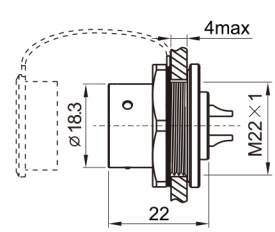


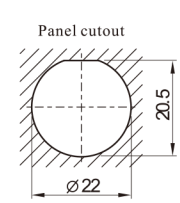
SA1613/P__-__ SA1613/S___-_




Front-nut mount
Mate with SA1610



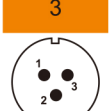
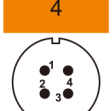
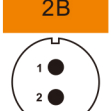
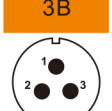




SA1615/P__-__ SA1615/S___-_

Solder contact spec

★ Crimp contact spec see P107-P110

Number of contact	2	3	4	2B	3B	4B	5	7	9	10
Male contact face view										
Rated current (A)	10	10	5	15	15	15	5	5	5	5
Contact diameter(mm)	ø1.5X2	ø1.5X3	ø1X4	ø2X2	ø2X3	ø2X4	ø1X5	ø1X7	ø1X9	ø1X10
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Wire size (mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

SA 20

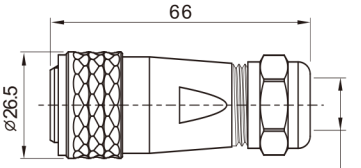


Cable connector
Mate with SA2011, SA2012, SA2013, SA2015

SA2010/P__ __-__ SA2010/S__ __-__

- Male contact
- Female contact
- Number of contact
- 1: solder, 2: screw, 3: crimp
- Colour:
  B: Black
  S: Silver
  L: Blue (special order)
  G: Green (special order)
  R: Red (special order)



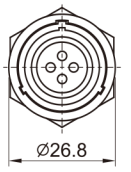


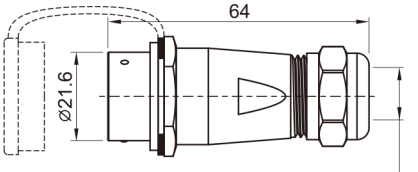
Cable outer diameter range: 8-12mm



In-line cable connector
Mate with SF2010

SA2011/P__ __-__ SA2011/S__ __-__



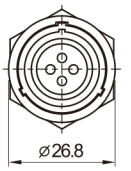


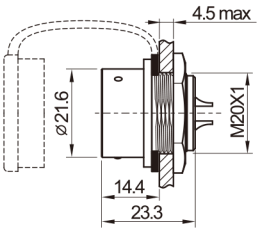
Cable outer diameter range: 8-12mm

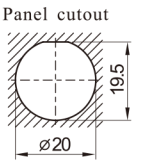


Rear-nut mount
Mate with SA2010

SA2012/P__ __-__ SA2012/S__ __-__



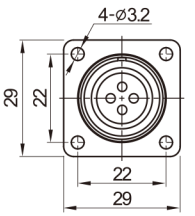


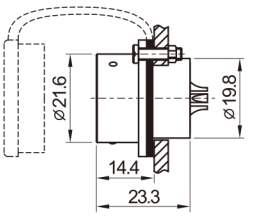


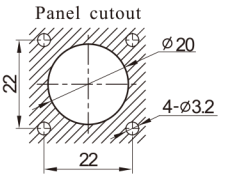


Square flange
Mate with SA2010

SA2013/P__ __-__ SA2013/S__ __-__



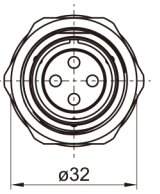


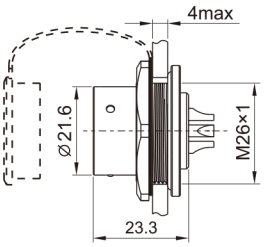


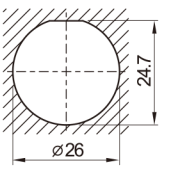


Front-nut mount
Mate with SA2010

SA2015/P__ __-__ SA2015/S__ __-__

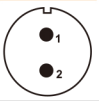






Solder contact spec

★Crimp contact spec see P107-P110 ★Screw contact spec see P111-P112

Number of contact	2	3	4	5	6	6B	7	8	9	12	15
Male contact face view											
Rated current (A)	25	25	25	10	25 5	30 5	10	10	5	5	5
Contact diameter(mm)	ø2.5X2	ø2.5X3	ø2.5X4	ø1.5X5	ø2.5X4 ø1X2	ø3X2 ø1X4	ø1.5X7	ø1.5X8	ø1X9	ø1X12	ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	1	1	1	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm² / AWG)	≤4/11	≤4/11	≤4/11	≤2/14	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/

SA 28

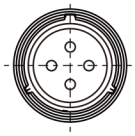


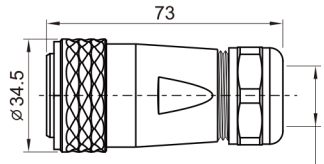


Cable connector
Mate with SA2811, SA2812, SA2813, SA2815

SA2810/P__-__ SA2810/S__-__

- Male contact
- Female contact
- Number of contact
- 1: solder, 2: screw, 3: crimp
- Colour:
  - B: Black
  - S: Silver
  - L: Blue (special order)
  - G: Green (special order)
  - R: Red (special order)





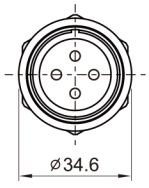
Cable outer diameter range: 13-16mm

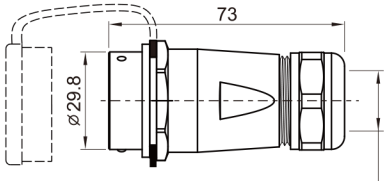




In-line cable connector
Mate with SA2810

SA2811/P__-__ SA2811/S__-__





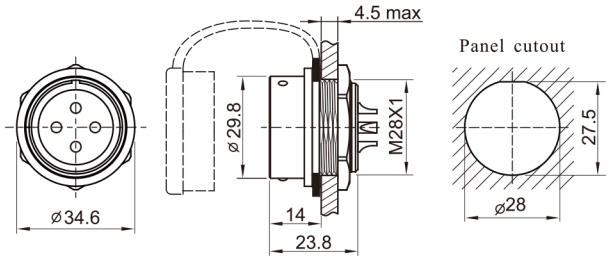
Cable outer diameter range: 13-16mm





Rear-nut mount
Mate with SA2810

SA2812/P__-__ SA2812/S__-__

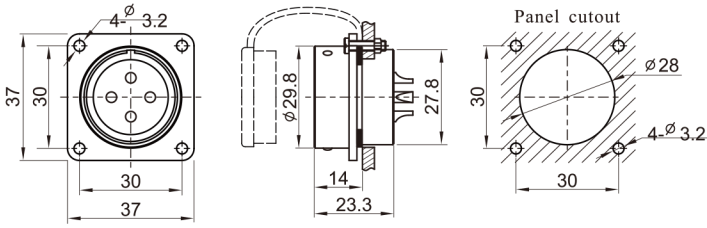






Square flange
Mate with SA2810

SA2813/P__-__ SA2813/S__-__

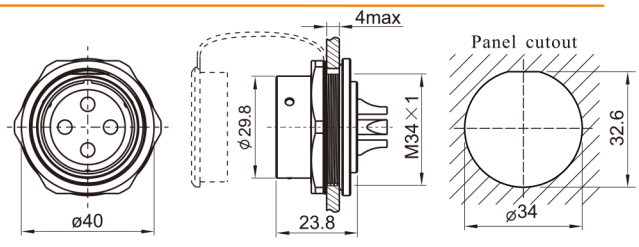






Front-nut mount
Mate with SA2810

SA2815/P__-__ SA2815/S__-__



Solder contact spec

★ Crimp contact spec see P107-P110 ★ Screw contact spec see P111-P112

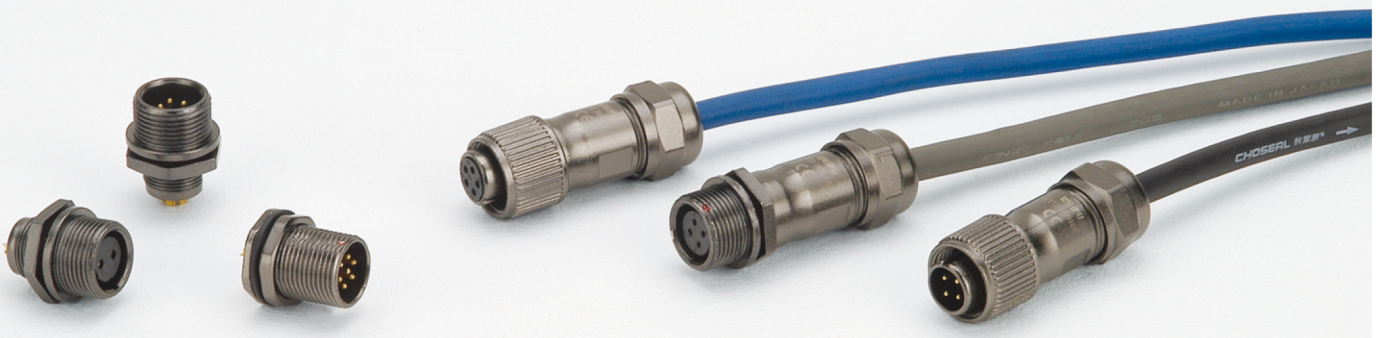
Number of contact	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60、5	25、5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	ø3.5X2	ø3.5X3	ø2.5X4	ø2.5X7	ø2.5X8	ø5X2 ø1X6	ø2.5X4 ø1X5	ø2.5X10	ø1.5X10	ø1.5X12	ø1.5X16	ø1.5X17	ø1X20	ø1X24	ø1X26	ø1X35
Rated voltage (AC.V)	500	500	500	500	500	500 400	500	500	500	500	500	500	400	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
Contact resistance (mΩ)	0.5	0.5	1	1	1	5、0.5	1、5	1	2.5	2.5	2.5	2.5	5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size (mm²/AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/



IP67 SA Series

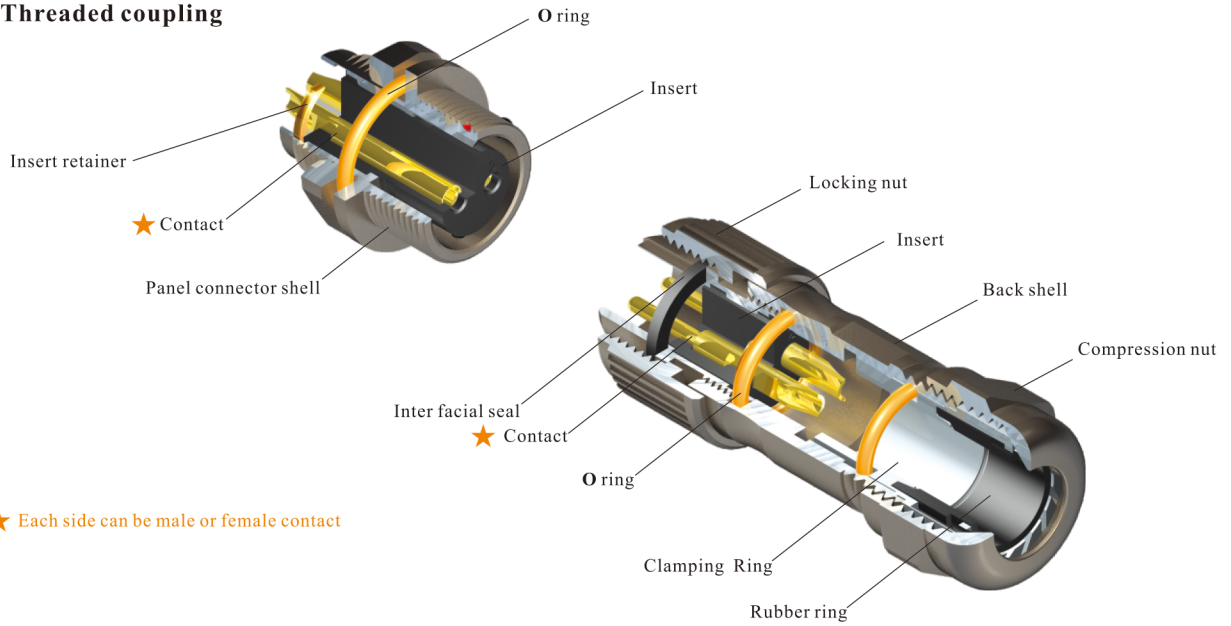


IP67



ST12 Series IP67

Threaded coupling



★ Each side can be male or female contact

Material and spec

Coupling	Threaded coupling
Shell material	Zinc alloy with black nickel plating
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder
Cable outer diameter range	5-8mm
IP rating	IP67
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance	2000MΩ



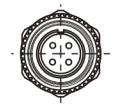
ST1210 / P__ ST1210 / S__

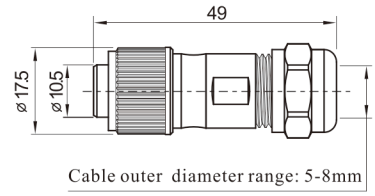
Male contact

Number of contact

Female contact

Cable connector
Mate with ST1211, ST1212, ST1213, ST1214



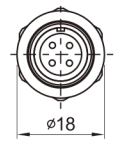


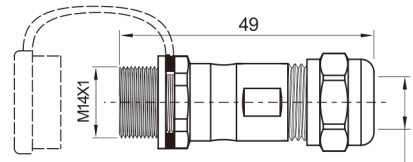
Cable outer diameter range: 5-8mm



ST1211 / P__ ST1211 / S__

In-line cable connector
Mate with ST1210





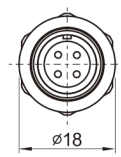
Cable outer diameter range: 5-8mm

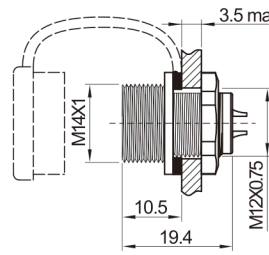


ST1212 / P__ ST1212 / S__

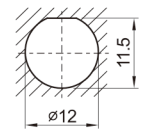
Number of contact

Rear-nut mount
Mate with ST1210





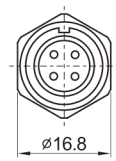
Panel cutout

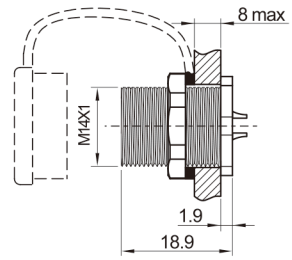




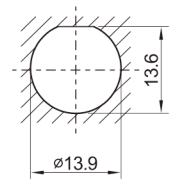
ST1213 / P__ ST1213 / S__

Front-nut mount
Mate with ST1210





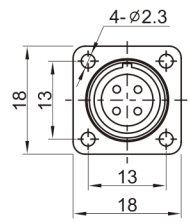
Panel cutout

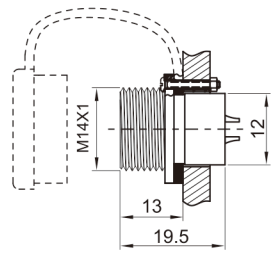




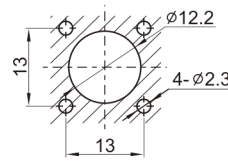
ST1214 / P__ ST1214 / S__

Square flange
Mate with ST1210





Panel cutout



Solder contact spec

Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter (mm)	Ø1. 6X2	Ø1. 6X3	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
Wire size (mm^2 / AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

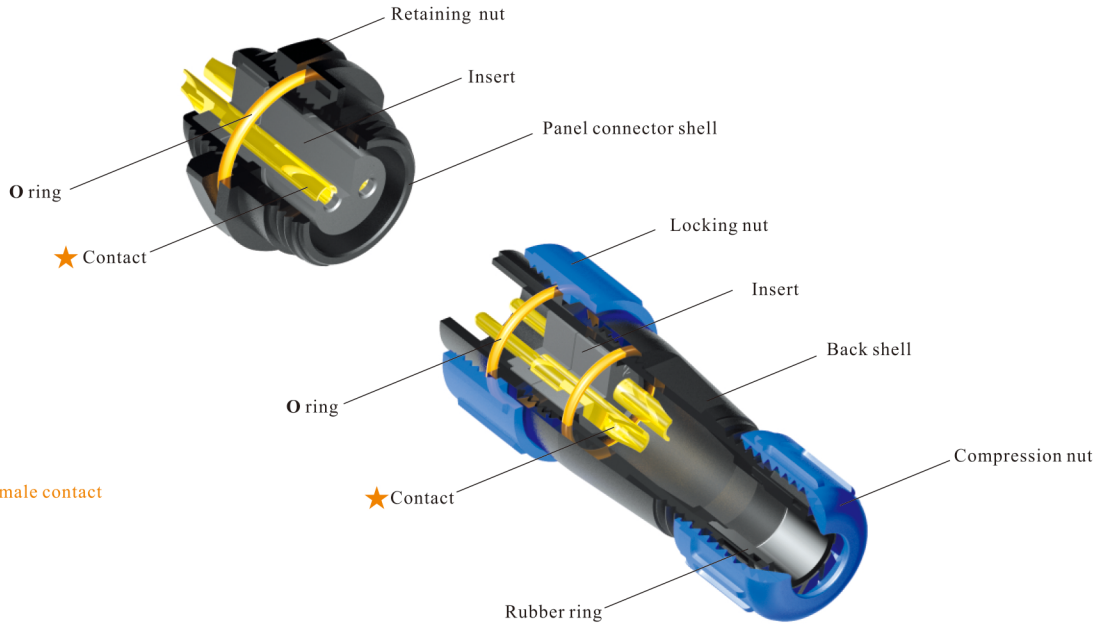
IP68

SP Series



SP Series IP68

Threaded coupling



★ Each side can be male or female contact

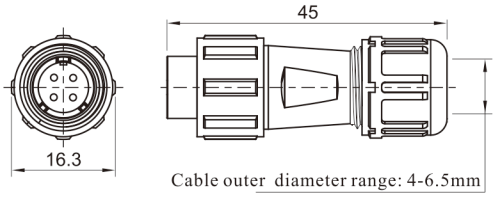
Material and spec

Coupling	Threaded
Shell material	PC, Nylon66, fire resistance: V-0
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: SP13, SP17, SP21, SP29 Crimp: SP17, SP21, SP29 Screw: SP21, SP29 (ø2.5,ø3,ø3.5mm contact)
Cable outer diameter range	SP11: 4-6.5 SP13 I: 4-6.5mm, II: 5-8mm SP17: 6-10mm SP21: I: 4.5-7mm, II: 7-12mm SP29: 13-16mm
IP rating	IP68
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance	2000 MΩ

SP11 Series



Cable connector
Mate with SP1111, SP1112

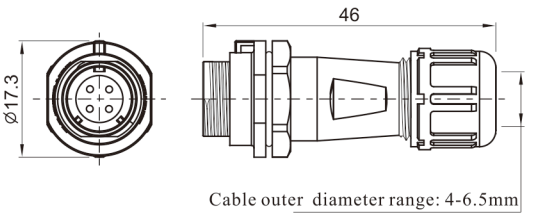


SP1110/P__−N **SP1110/S__−N**

- Male contact
- Number of contact
- Female contact



In-line cable connector
Mate with SP1110

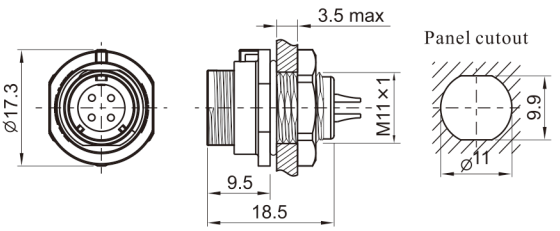


SP1111/P__−__ **SP1111/S__−__**

- C:with cap
  N:without cap
- Number of contact



Rear-nut mount
Mate with SP1110



SP1112/P__−__ **SP1112/S__−__**

- C:with cap
  N:without cap
- Number of contact

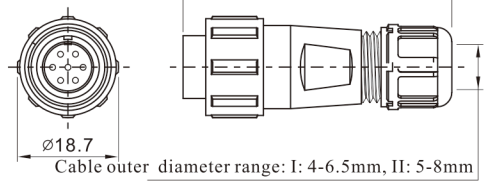
Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter(mm)	Ø1×2	Ø1×3	Ø0.7×4	Ø0.7×5
Rated voltage (AC.V)	180	180	125	125
Test voltage(AC.V) 1 min	1000	1000	1000	1000
Contact resistance (mΩ)	5	5	10	10
Wire size (mm²/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20





Cable connector
Mate with SP1311,SP1312



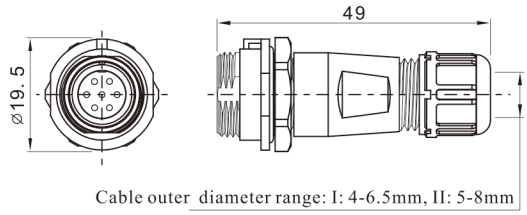
SP1310 / P__-__ SP1310 / S__ __-__

- Male contact
- Female contact
- (CU): cULus
- C:with cap
- N:without cap
- Cable outer diameter I: 4-6.5mm, II: 5-8mm
- Number of contact





In-line cable connector
Mate with SP1310



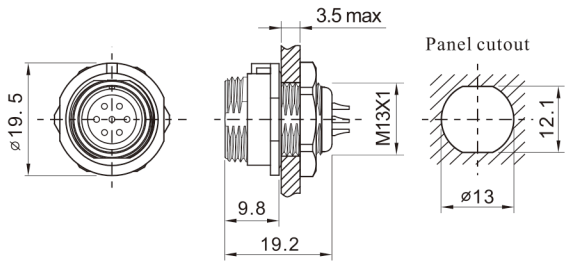
SP1311 / P__ __-__ SP1311 / S__ __-__

- Number of contact
- C:with cap
- N:without cap
- Cable outer diameter I: 4-6.5mm, II: 5-8mm





Rear-nut mount
Mate with SP1310



SP1312 / P__-__ SP1312 / S__-__

- C:with cap
- N:without cap
- Number of contact

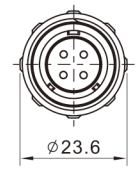
Solder contact spec

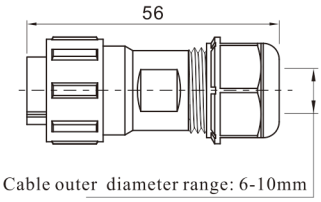
Number of contact	2	3	4 cULus	5 cULus	6 cULus	7 cULus	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter (mm)	Ø1. 6X2	Ø1. 6X3	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
Wire size (mm² / AWG)	≤2 / 14	≤2 / 14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20





Cable connector
Mate with SP1711,SP1712





SP1710 / P__-__N Male contact

SP1710 / S__-__N Female contact

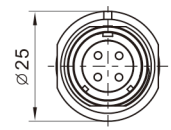
1: solder, 3: crimp

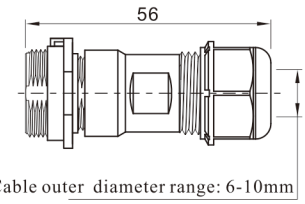
Number of contact





In-line cable connector
Mate with SP1710





SP1711 / P__-__ __ **SP1711 / S__-__ __**

Number of contact

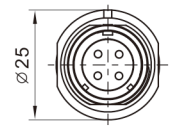
C:with cap
N:without cap

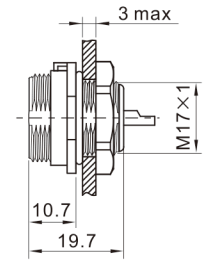
1: solder, 3: crimp

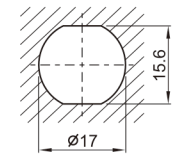




Rear-nut mount
Mate with SP1710







SP1712 / P__-__ __ **SP1712 / S__-__ __**

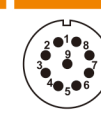
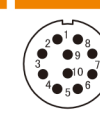
Number of contact

C:with cap
N:without cap

1: solder, 3: crimp

Solder contact spec

★ Crimp contact spec see P107-P110

Number of contact	2	3	4	2B	3B	4B	5	7	9	10
Male contact face view										
Rated current (A)	10	10	5	15	15	15	5	5	5	5
Contact diameter(mm)	⌀1.5X2	⌀1.5X3	⌀1X4	⌀2X2	⌀2X3	⌀2X4	⌀1X5	⌀1X7	⌀1X9	⌀1X10
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Wire size (mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

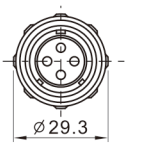
SP 21

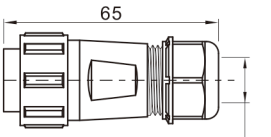



Cable connector
Mate with SP2111, SP2112, SP2113

SP2110 / P__ __-__ SP2110 / S__ __-__ __

- Male contact
- Female contact
- C:with cap / N:without cap
- (U): , (CU):
- 1: solder, 2: screw, 3: crimp
- Cable outer diameter: I: 4.5-7mm, II: 7-12mm
- Number of contact





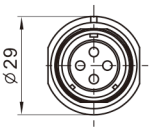
Cable outer diameter range:
I: 4.5-7mm II: 7-12mm

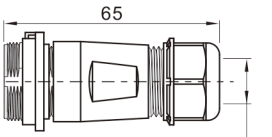



In-line cable connector
Mate with SP2110

SP2111 / P__ __-__ __ SP2111 / S__ __-__ __

- C:with cap / N:without cap





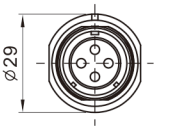
Cable outer diameter range:
I: 4.5-7mm II: 7-12mm

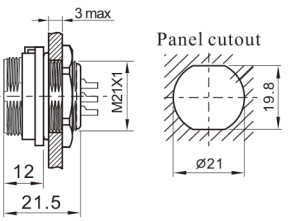



Rear-nut mount
Mate with SP2110

SP2112 / P__-__ __ SP2112 / S__-__ __

- Number of contact
- C:with cap / N:without cap / 1:solder, 2:screw, 3:crimp



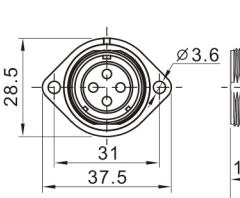


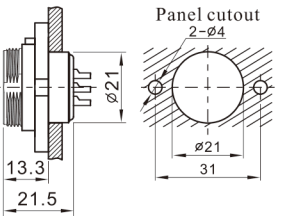



2-hole flange
Mate with SP2110

SP2113 / P__-__ __ SP2113 / S__-__ __

- Number of contact
- C:with cap / N:without cap / 1:solder, 2:screw, 3:crimp



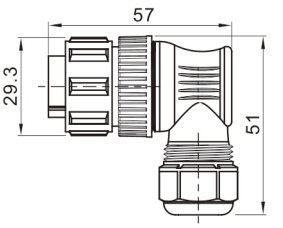


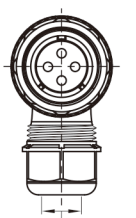



Angled cable connector
Mate with SP2111, SP2112, SP2113

SP2116 / P__ __-__ __SP2116 / S__ __-__ __

- C:with cap / N:without cap
- Number of contact
- 1: solder, 2: screw, 3: crimp
- Cable outer diameter: I: 4.5-7mm II: 7-12mm





Cable outer diameter range:
I: 4.5-7mm II: 7-12mm

Solder contact spec

★Crimp contact spec see P107-P110 ★Screw contact spec see P111-P112

Number of contact	2	3	4	5	5B	5C	6	6B	7	8	9	12	15
Male contact face view													
Rated current (A)	30 20	30 20	30 20	30 20	30 5	15	25 5	30 5	15	10	5	5	5
Contact diameter (mm)	ø3X2	ø3X3	ø3X4	ø3X5	ø3X2 ø1X3	ø2X5	ø2.5X4 ø1X2	ø3X2 ø1X4	ø2X7	ø1.5X10	ø1X9	ø1X12	ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200
Contact resistance (mΩ)	1	1	1	1	1 5	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm^2 / AWG)	≤4/11	≤4/11	≤4/11	≤4/11	≤4/11 ≤0.75/18	≤2/14	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm^2 / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/	/

SP 29

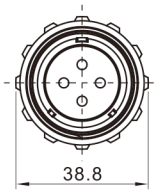


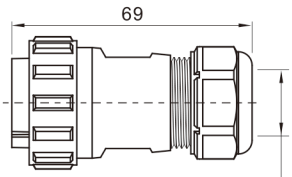


Cable connector
Mate with SP2911,SP2912,SP2913

SP2910 / P__-__N **SP2910 / S__-__N**

- Male contact
- Number of contact
- Female contact
- 1:solder, 2:screw, 3:crimp





Cable outer diameter range: 13-16mm

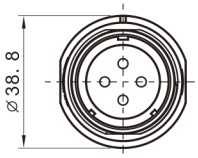


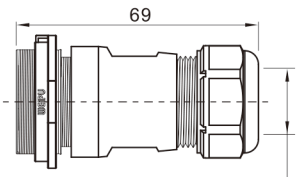


In-line cable connector
Mate with SP2910

SP2911 / P__-__ __ **SP2911 / S__-__ __**

- Number of contact
- C:with cap N:without cap
- 1:solder, 2:screw, 3:crimp





Cable outer diameter range: 13-16mm

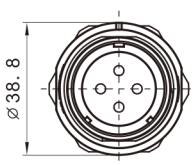


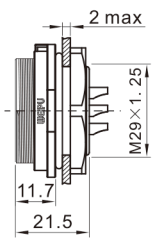


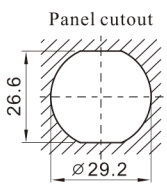
Rear-nut mount
Mate with SP2910

SP2912 / P__-__ __ **SP2912 / S__-__ __**

- Number of contact
- C:with cap N:without cap
- 1:solder, 2:screw, 3:crimp







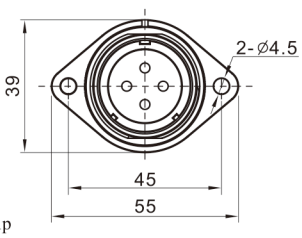


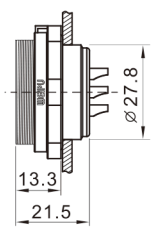


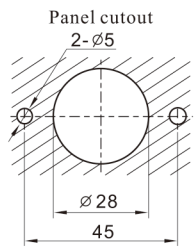
2-hole flange
Mate with Sp2910

SP2913 / P__-__ __ **SP2913 / S__-__ __**

- Number of contact
- C:with cap N:without cap
- 1:solder, 2:screw, 3:crimp







Solder contact spec

★Crimp contact spec see P107-P110 ★Screw contact spec see P111-P112

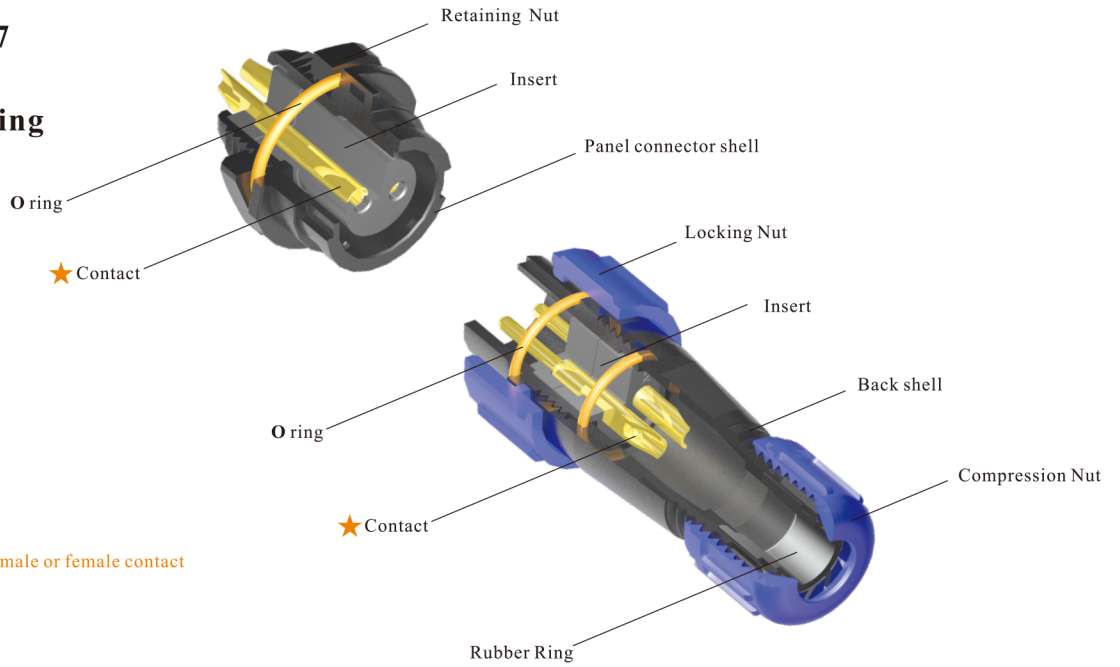
Number of contact	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60、5	25、5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	⌀3.5X2	⌀3.5X3	⌀2.5X4	⌀2.5X7	⌀2.5X8	⌀5X2 ⌀1X6	⌀2.5X4 ⌀1X5	⌀2.5X10	⌀1.5X10	⌀1.5X12	⌀1.5X16	⌀1.5X17	⌀1X20	⌀1X24	⌀1X26	⌀1X35
Rated voltage (AC.V)	500	500	500	500	500	500 400	500	500	500	500	500	500	400	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
Contact resistance(mΩ)	0.5	0.5	1	1	1	5、0.5	1、5	1	2.5	2.5	2.5	2.5	5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size (mm²/AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/

IP67

SY Series



- **SY Series IP67**
- **Bayonet coupling**



★ Each side can be male or female contact

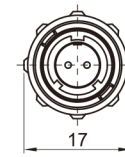
Material and spec

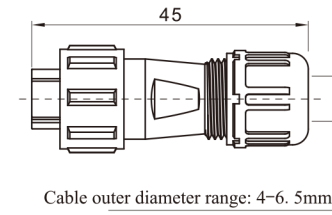
Coupling	Bayonet
Shell material	PC, Nylon66, fire resistance: V-0
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: SY11, SY13, SY17, SY21, SY29 Crimp: SY17, SY21, SY29 Screw: SY21, SY29(ø2.5,ø3,ø3.5mm contact)
Cable outer diameter range	SY11: 4-6.5mm SY13 I: 4-6.5mm, II: 5-8mm SY17: 6-10mm SY21: I: 4.5-7mm, II: 7-12mm SY29: 13-16mm
IP rating	IP67
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance	2000 MΩ

SY11 Series




Cable connector
Mate with SY1111, SY1112



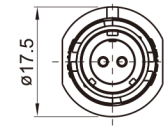


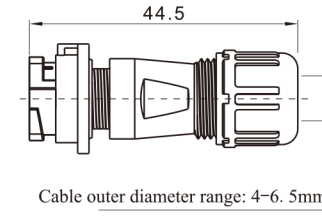
SY1110 / P__-N **SY1110 / S__-N**

- Male contact
- Number of contact
- Female contact




In-line cable connector
Mate with SY1110



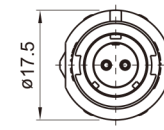


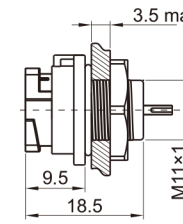
SY1111 / P__-__ **SY1111 / S__-__**

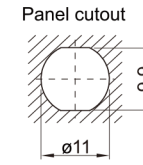
- C:with cap
  N:without cap
- Number of contact




Rear-nut mount
Mate with SY1110



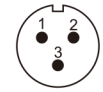




SY1112 / P__-__ **SY1112 / S__-__**

- C:with cap
  N:without cap
- Number of contact

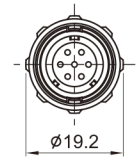
Solder contact spec

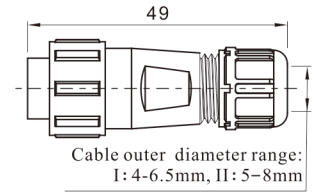
Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter(mm)	ø1×2	ø1×3	ø0.7×4	ø0.7×5
Rated voltage (AC.V)	180	180	125	125
Test voltage(AC.V) 1 min	1000	1000	1000	1000
Contact resistance (mΩ)	5	5	10	10
Wire size (mm²/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

SY13 Series




Cable connector
Mate with SY1311, SY1312



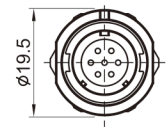


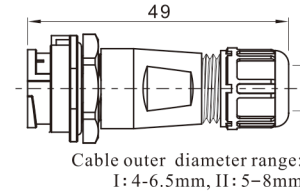
SY1310 / P__-N SY1310 / S__ __-N

- Male contact
- Number of contact
- Female contact
- Cable outer diameter I: 4-6.5mm, II: 5-8mm




In-line cable connector
Mate with SY1310



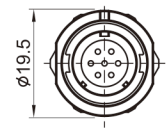


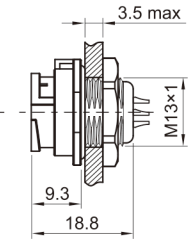
SY1311 / P__ __-__ SY1311 / S__ __-__

- Number of contact
- C:with cap N:without cap
- Cable outer diameter I: 4-6.5mm, II: 5-8mm

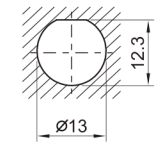



Rear-nut mount
Mate with Sy1310





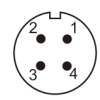
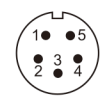
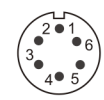
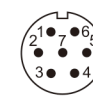
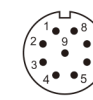
Panel cutout



SY1312 / P__-__ SY1312 / S__-__

- C:with cap N:without cap
- Number of contact

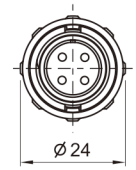
Solder contact spec

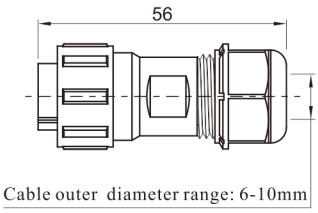
Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter (mm)	Ø1. 6X2	Ø1. 6X3	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
Wire size (mm^2 / AWG)	≤2 / 14	≤2 / 14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

SY17 Series



Cable connector
Mate with SY1711,SY1712





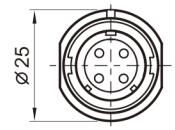
Cable outer diameter range: 6-10mm

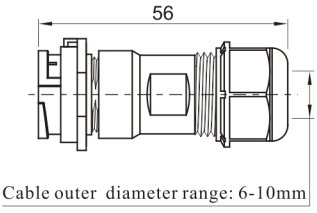
SY1710 / P__-__ N SY1710 / S__-__ N

- Male contact
- Female contact
- Number of contact
- 1: solder, 3: crimp



In-line cable connector
Mate with SY1710





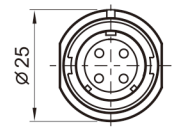
Cable outer diameter range: 6-10mm

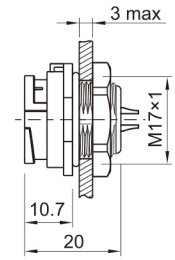
SY1711 / P__-__ __ SY1711 / S__-__ __

- Number of contact
- 1: solder, 3: crimp
- C:with cap
  N:without cap

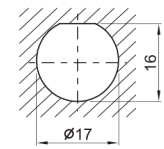


Rear-nut mount
Mate with SY1710





Panel cutout

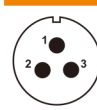
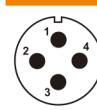
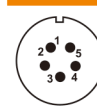
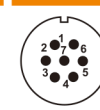
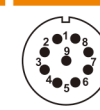
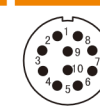


SY1712 / P__-__ __ SY1712 / S__-__ __

- Number of contact
- 1: solder, 3: crimp
- C:with cap
  N:without cap

Solder contact spec

★Crimp contact spec see P107-P110

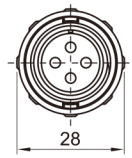
Number of contact	2	3	4	2B	3B	4B	5	7	9	10
Male contact face view										
Rated current (A)	10	10	5	15	15	15	5	5	5	5
Contact diameter(mm)	ø1.5X2	ø1.5X3	ø1X4	ø2X2	ø2X3	ø2X4	ø1X5	ø1X7	ø1X9	ø1X10
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Wire size (mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

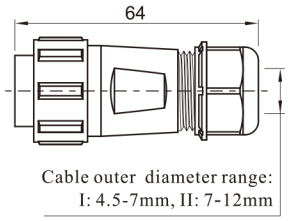
SY 21




Cable connector
Mate with SY2111, SY2112, SY2113

SY2110 / P__ __-__ N SY2110 / S__ __-__ N
- Male contact
- Female contact
- Number of contact
- 1: solder, 2: screw, 3: crimp
- Cable outer diameter: I: 4.5-7mm, II: 7-12mm

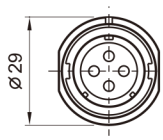


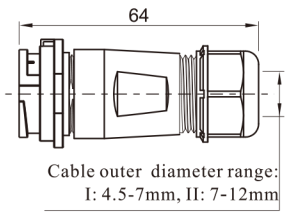





In-line cable connector
Mate with SY2110, SY2116

SY2111 / P__ __-__ SY2111 / S__ __-__ __
- Number of contact
- C:with cap
- N:without cap
- 1: solder, 2: screw, 3: crimp
- Cable outer diameter: I: 4.5-7mm, II: 7-12mm

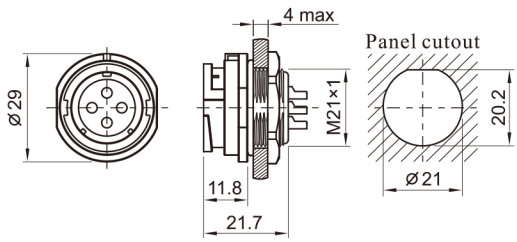







Rear-nut mount
Mate with SY2110, SY2116

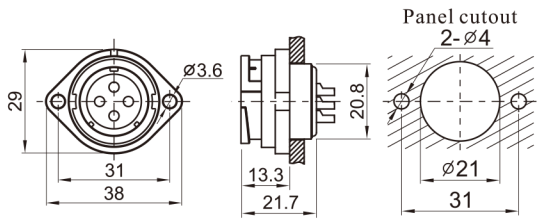
SY2112 / P__-__ __ SY2112 / S__-__ __
- Number of contact
- C:with cap
- N:without cap
- 1:solder, 2: screw, 3: crimp






2-hole flange
Mate with SY2110

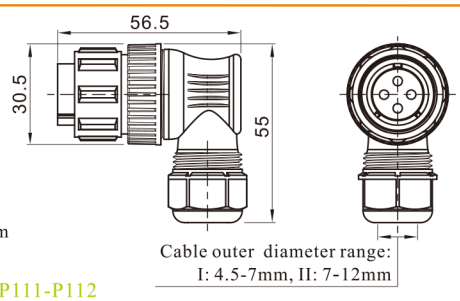
SY2113 / P__-__ __ SY2113 / S__-__ __
- Number of contact
- C:with cap
- N:without cap
- 1:solder, 2: screw, 3: crimp






Angled cable connector
Mate with SY2111, SY2112, SY2113

SY2116 / P__ __-__ N SY2116 / S__ __-__ N
- Number of contact
- 1: solder, 2: screw, 3: crimp
- Cable outer diameter: I: 4.5-7mm, II: 7-12mm



Solder contact spec

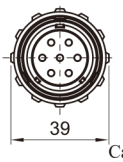
★Crimp contact spec see P107-P110 ★Screw contact spec see P111-P112

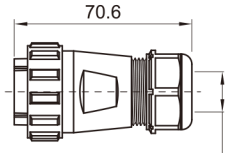
Number of contact	2	3	4	5	5B	5C	6	6B	7	8	9	12	15
Male contact face view													
Rated current (A)	30	30	30	30	30 5	15	25 5	30 5	15	10	5	5	5
Contact diameter (mm)	ø3X2	ø3X3	ø3X4	ø3X5	ø3X2 ø1X3	ø2X5	ø2.5X4 ø1X2	ø3X2 ø1X4	ø2X7	ø1.5X10	ø1X9	ø1X12	ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200
Contact resistance (mΩ)	1	1	1	1	1 5	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm² / AWG)	≤4/11	≤4/11	≤4/11	≤4/11	≤4/11 ≤0.75/18	≤2/14	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/	/

SY 29




Cable connector
Mate with SY2911, SY2912, SY2913





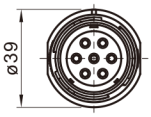
Cable outer diameter range: 13-16mm

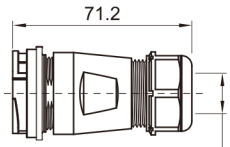
SY2910 / P__ __-__N SY2910 / S__ __-__N

- Male contact
- Female contact
- Number of contact
- Cable outer diameter: I: 13-16mm
- 1: solder, 2: screw, 3: crimp




In-line cable connector
Mate with SY2910





Cable outer diameter range: 13-16mm

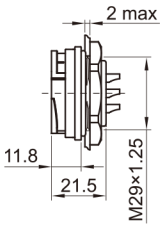
SY2911 / P__ __-__ __SY2911 / S__ __-__ __

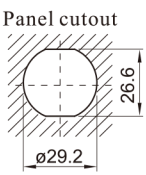
- Number of contact
- Cable outer diameter: I: 13-16mm
- 1: solder, 2: screw, 3: crimp
- C:with cap
  N:without cap




Rear-nut mount
Mate with SY2910





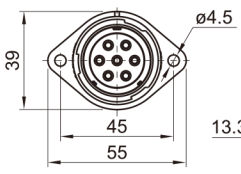


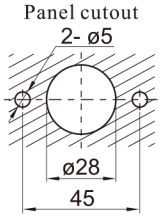
SY2912 / P__-__ __ SY2912 / S__-__ __

- C:with cap
  N:without cap
- 1:solder, 2: screw, 3: crimp
- Number of contact




2-hole flange
Mate with SY2910





SY2913 / P__-__ __ SY2913 / S__-__ __

- C:with cap
  N:without cap
- 1:solder, 2: screw, 3: crimp
- Number of contact

Solder contact spec

★Crimp contact spec see P107-P110 ★Screw contact spec see P111-P112

Number of contact	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60、5	25、5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	ø3.5X2	ø3.5X3	ø2.5X4	ø2.5X7	ø2.5X8	ø5X2 ø1X6	ø2.5X4 ø1X5	ø2.5X10	ø1.5X10	ø1.5X12	ø1.5X16	ø1.5X17	ø1X20	ø1X24	ø1X26	ø1X35
Rated voltage (AC.V)	500	500	500	500	500	500 400	500	500	500	500	500	500	400	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
Contact resistance(mΩ)	0.5	0.5	1	1	1	5、0.5	1、5	1	2.5	2.5	2.5	2.5	5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size(mm²/AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/


WEIPU
SP29 SERIES
WEIPU
SP21 SERIES

IP68 SP Series



WEiPU® Connector

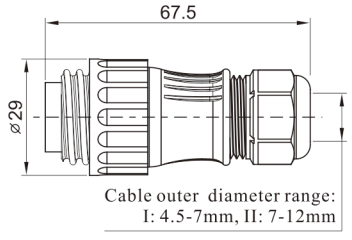
WA 22

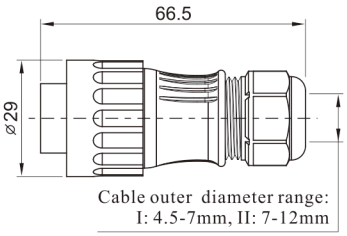
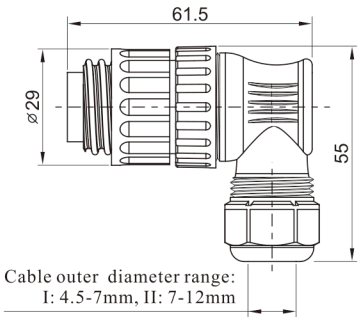
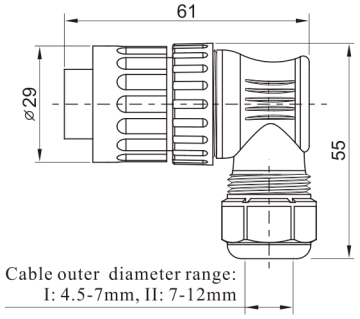
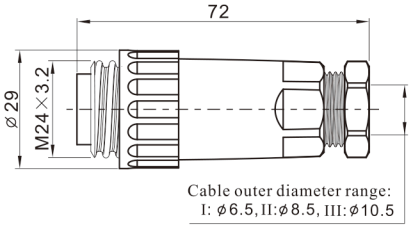
IP67

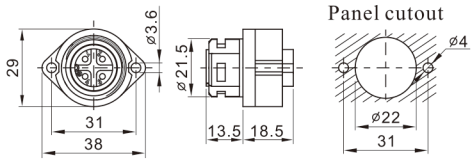
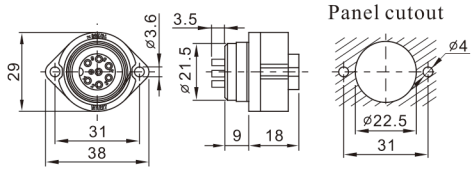
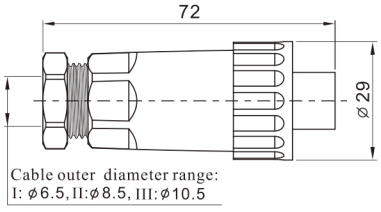
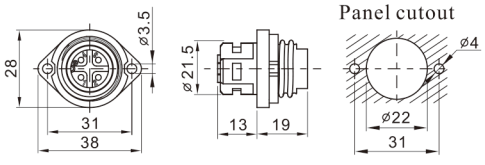
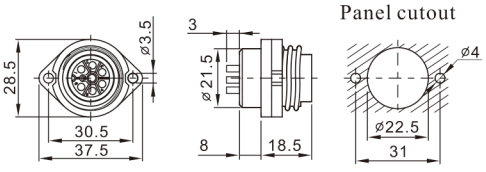
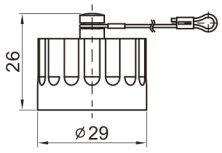
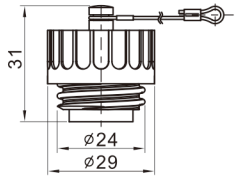


WA22 Series IP67

Material and spec		
Number of contact	3+PE	6+PE
Contact diameter (mm)	⌀2	⌀1.5
Rated voltage (AC.V)	400	250
Rated current (A)	16	10
Wire size (mm²/AWG)	≤2. 5/14	≤0. 75/18
Termination	Screw	Solder
Test voltage(AC.V)1min	2000	
Insulation resistance (MΩ)	2000	
Shell material	Nylon66, fire resistance: V-0	
Contact material	Brass with gold plating	
Temperature range	-40℃~+85℃	
Mating cycle	500	

Part number	Description	Drawing
WA22J4TK2 	3+PE male cable connector with short back shell, screw termination	
WA22J7TK1 	6+PE male cable connector with short back shell, solder termination	

Part number	Description	Drawing
WA22K4TK2 	3+PE female cable connector with short back shell, screw termination	
WA22K7TK1 	6+PE female cable connector with short back shell, solder termination	
WA22J4TL2 	3+PE male cable connector with angled back shell, screw termination	
WA22J7TL1 	6+PE male cable connector with angled back shell, solder termination	
WA22K4TL2 	3+PE female cable connector with angled back shell, screw termination	
WA22K7TL1 	6+PE female cable connector with angled back shell, solder termination	
WA22J4TE2 	3+PE male cable connector , screw termination	
WA22J7TE1 	6+PE male cable connector , solder termination	

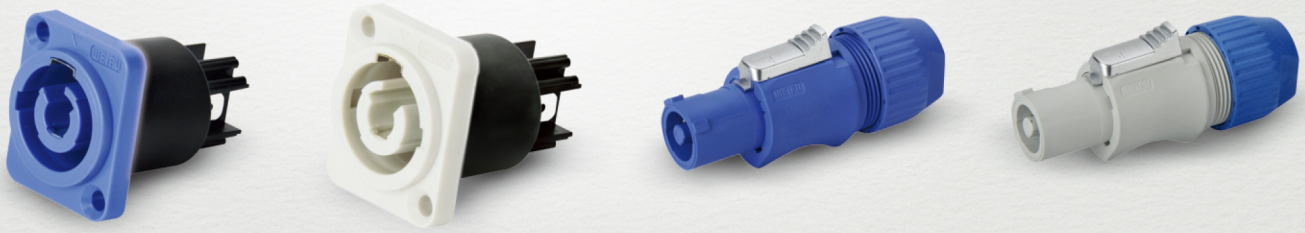
Part number	Description	Drawing
WA22K4Z2 	3+PE female panel connector, screw termination	
WA22K7Z1 	6+PE female panel connector, solder termination	
WA22K4ZE2 	3+PE female cable connector, screw termination	
WA22K7ZE1 	6+PE female cable connector, solder termination	
WA22J4Z2 	3+PE male panel connector, screw termination	
WA22J7Z1 	6+PE male panel connector, solder termination	
WA22G1 	Cap 1	
WA22G2 	Cap 2	



WEiPU® Connector

IP65

WAC3



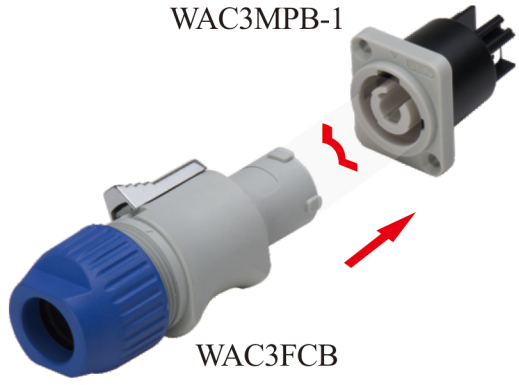
WAC3 Series

WAC3MPA-1



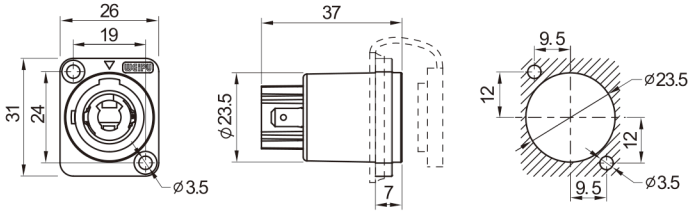
WAC3FCA

WAC3MPB-1

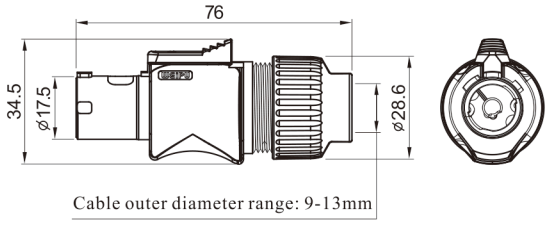


WAC3FCB

Receptacle



Plug



Material and spec

Coupling	Bayonet
Shell	Plug: Nylon66 Socket: PC
Contact material	Brass with silver plating
Rated current (A)	20
Rated voltage (AC. V)	250
Test voltage (AC.V) 1 min	2500
Insulation resistance (MΩ)	2000
Mating cycle	1000
Temperature range	-40℃~+85℃
IP range	IP65
Termination	Plug: screw, Rceptacle: 3/16" flat tab terminals

IP65 WAC3 Series



WEiPU Connector

IP67

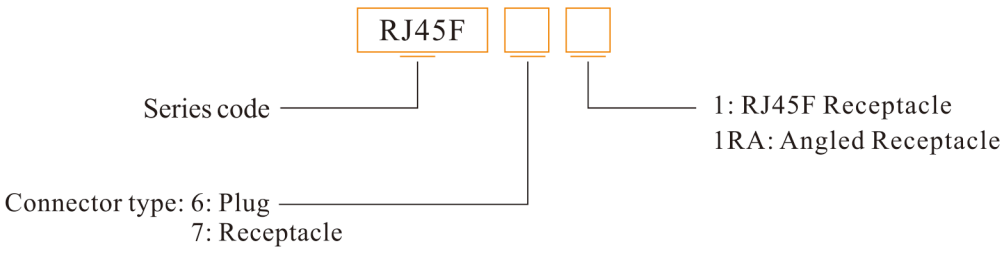
RJ 45F



RJ45F Series IP67

RJ45F connector is used to connect standard Ethernet Class D /Cat.5e and Class E/cat 6 (10 Base T , 100 base TX , 1000 Base T net works) in outdoor or water proof harsh working environment . no need soldering , easy to connect , it is widely use in communications , LED boards , security monitoring , automation control etc.

Part number system



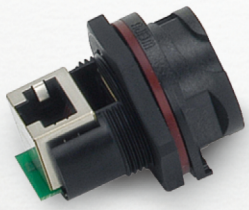
Material and spec

Coupling	Bayonet
Shell material	PC, fire resistance: V-0
IP rating	IP67
Cable out diameter range	I: 5–6mm, II: 6–7mm
Mating cycle	500
Temperature range	-40℃~+85℃

RJ 45F

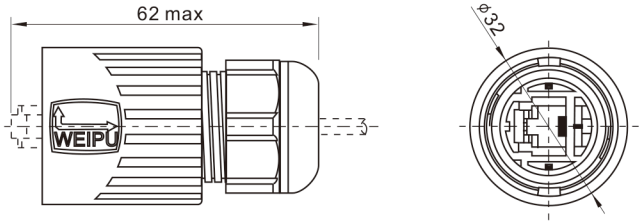
IP67



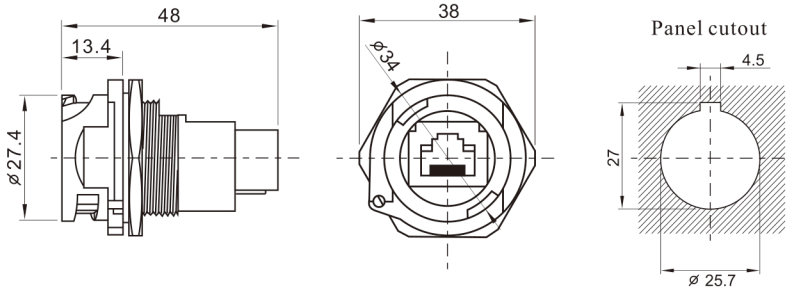




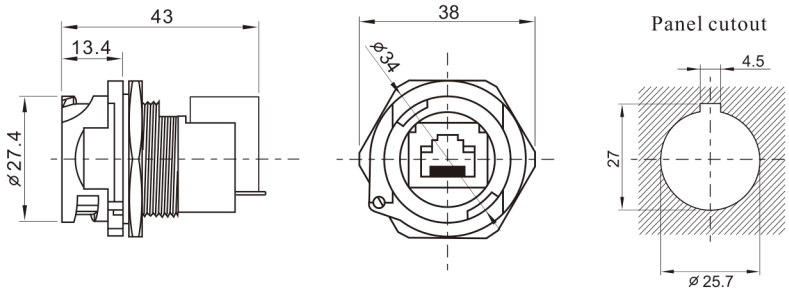
- RJ45F plug: RJ45F6 — Cable outer diameter I: 5-6mm, II: 6–7mm



- RJ45F Receptacle: RJ45F71



- Angled Receptacle:RJ45F71RA

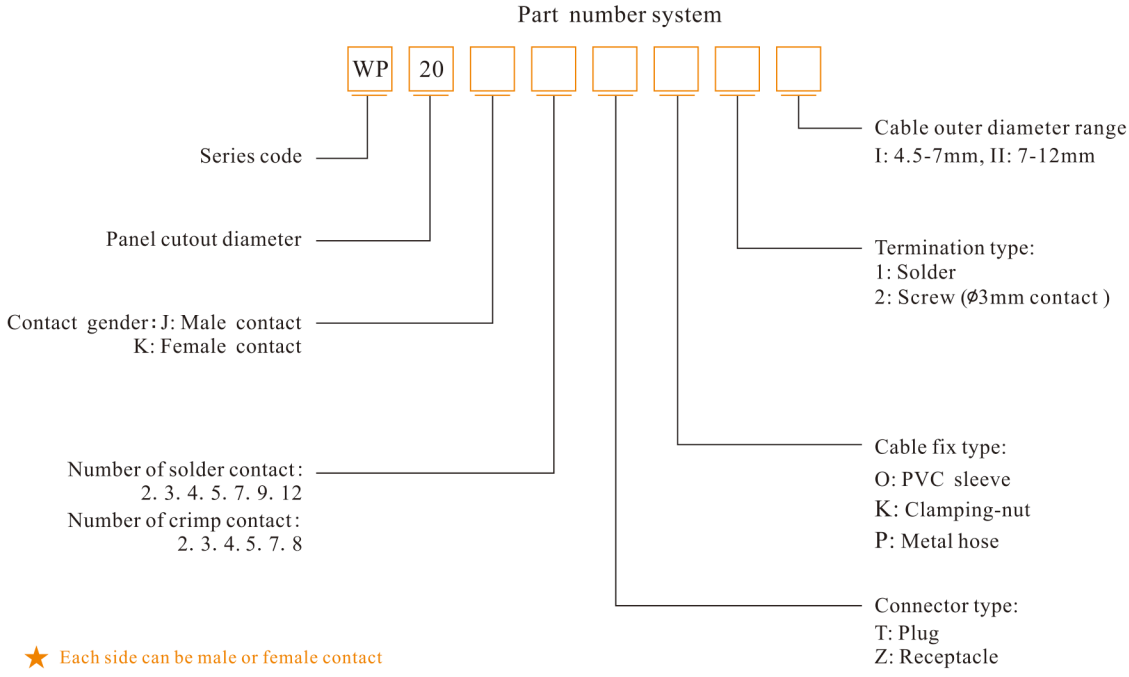


WP 20



WP Series

Part number system



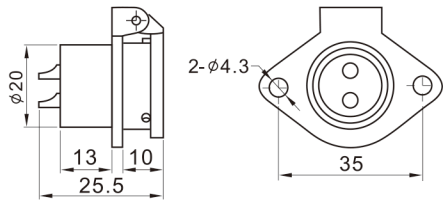
★ Each side can be male or female contact

Material and spec

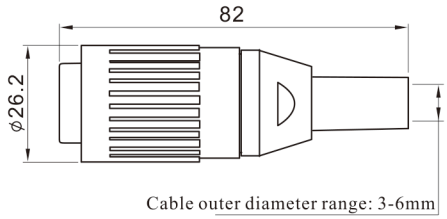
Coupling	Bayonet
Shell	Nylon 66 / Zinc alloy
Insert material	PPS, max temperature 260 ℃
Contact material	Brass
Contact plating	Gold Plating
Termination	Solder: ø1mm, ø2mm, ø3mm contact Sccrew: ø3mm contact
Mating cycle	500
Temperature range	-40℃~+85℃



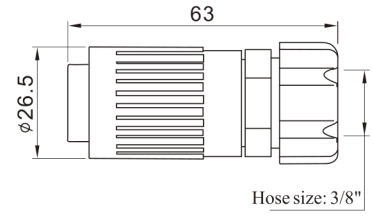
Receptacle: Z IP44



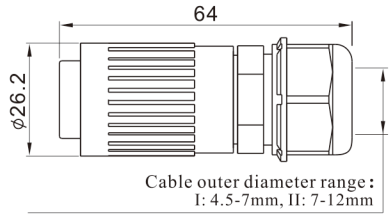
PVC sleeve : TO



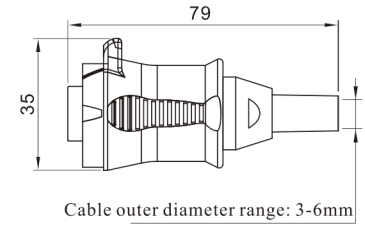
Metal hose: TP



Plastic clamping-nut: TK IP55



Without bayonet: TO-G



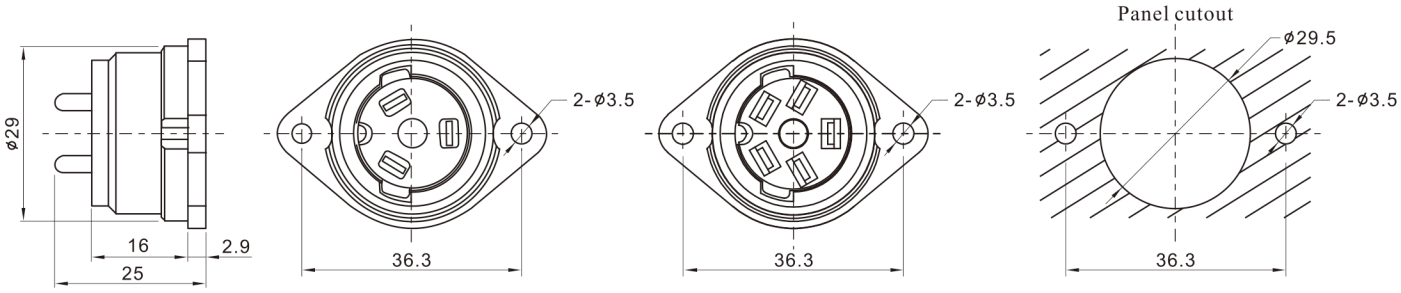
Solder contact spec

★Crimp contact spec see P107-P110 ★Screw contact spec see P111-P112

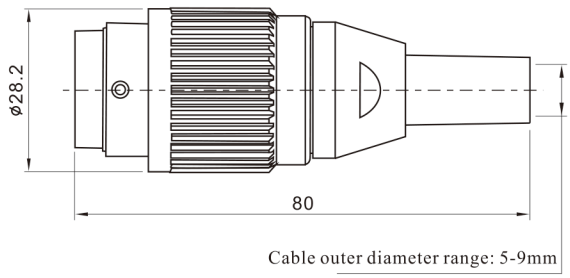
Number of contact	2	3	4	5	5B	5C	6	6B	7	8	9	12	15
Male contact face view													
Rated current (A)	30	30	30	30	30 5	15	25 5	30 5	15	10	5	5	5
Contact diameter (mm)	ø3X2	ø3X3	ø3X4	ø3X5	ø3X2 ø1X3	ø2X5	ø2.5X4 ø1X2	ø3X2 ø1X4	ø2X7	ø1.5X10	ø1X9	ø1X12	ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200
Contact resistance (mΩ)	1	1	1	1	1 5	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm² / AWG)	≤4/11	≤4/11	≤4/11	≤4/11	≤4/11 ≤0.75/18	≤2/14	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/	/



- **WT29 Series**
- Receptacle: WT29K3Z / WT29K5Z



- Plug: WT29J3T / WT29J5T



Material and spec

Coupling	Bayonet
Shell	Nylon PA66, Fire resistance V-0
Insert material	Nylon PA66
Contact material	Brass with silver plating
Termination	Solder
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance (MΩ)	2000
Test voltage (AC.V) 1 min	1500
Wire size (mm^2/AWG)	2.5 / 16 max
Rated current (A)	10
Rated voltage (AC.V)	400
Contact resistance (mΩ)	2.5

WT29 Series



WL 52

IP66/67



WL52 Series

Part number system

WL	52					

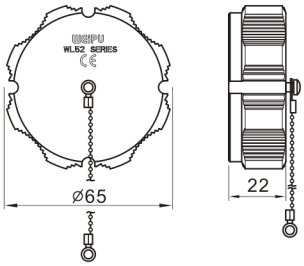
- Series code
- Panel hole cutout diamter
- Contact gender
  - J: Male contact
  - K: Female contact
- Number of contact: 19
- Connector type:
  - T: plug
  - Z: Receptacle
- Cable outer diameter range
  - I: 15–20mm, II: 22–30mm
- Plastic hose adapter type
  - TADI: PG29 plastic-hose adapter
  - TADII: M40×1.5 plastic-hose adapter
- Colour
  - B: Black (Standard)
  - Special Order:
    - L: Blue
    - G: Green
    - O: Orange
    - P: Purple
    - R: Red
    - Y: Yellow

Material and spec

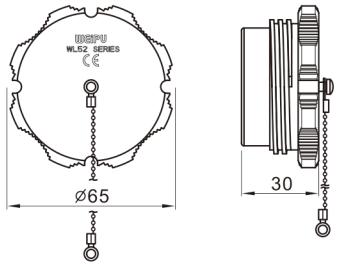
Coupling	Threaded
Shell	Anodized aluminium
Insert material	PPS, fire resistance: V-0, max temperature 260℃
Contact material	Brass with gold plating
IP rating	IP66/67
Termination	Solder
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance	2000 MΩ



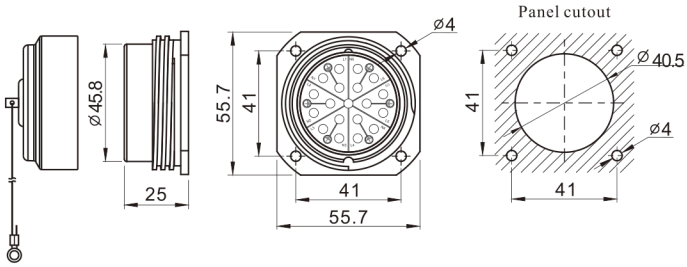
WL52−GZK IP67
Aluminium cap for female-contact connector



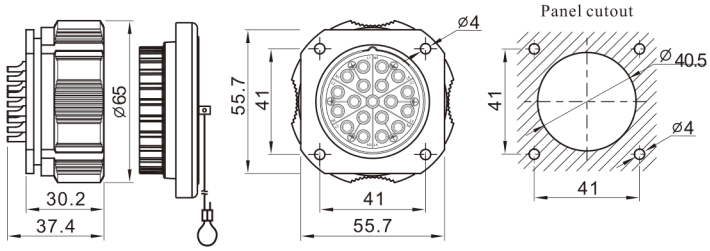
WL52−GZJ IP67
Aluminium cap for male-contact connector



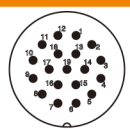
WL52K19Z IP67
Square flange female contact receptacle



WL52J19Z IP67
Square flange male contact receptacle

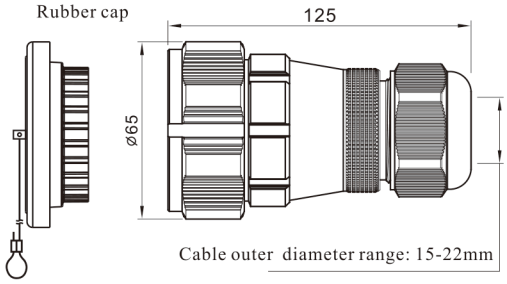


Solder contact spec

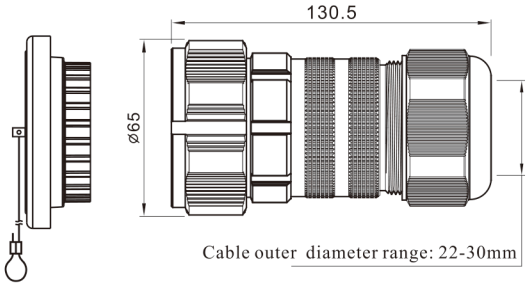
Number of contact	19
Male contact face view	
Rated current (A)	25
Contact diameter	Ø3
Rated voltage	700 (DC.V), 500 (AC.V)
Test voltage(AC.V) 1 min	2500
Contact resistance (MΩ)	1
Wire size (mm²/AWG)	≤6/9



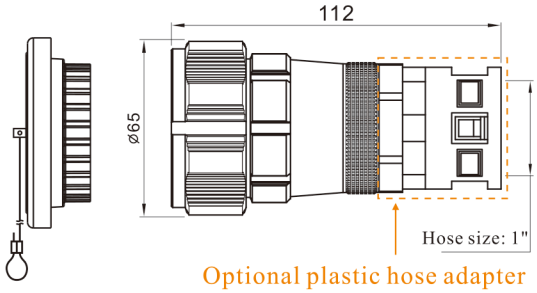
- Male-contact plug with clamping-nut: WL52J19T IP67



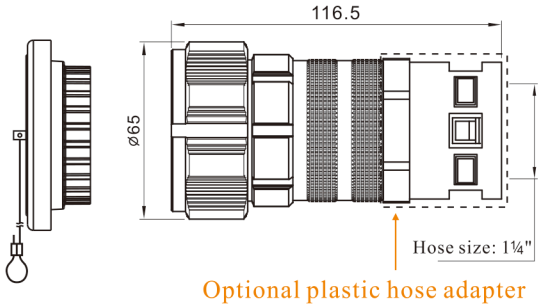
- Male-contact plug with clamping-nut 2: WL52J19TII IP67



- Male-contact plug for PG29 Plastic hose adapter: WL52J19TAD I IP66

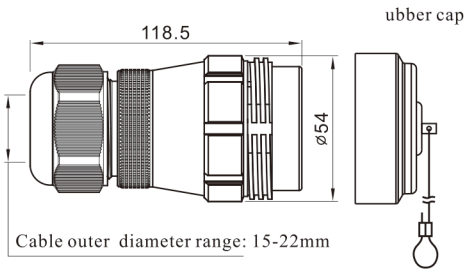


- Male-contact plug for M40 ×1.5 plastic hose adapter: WL52J19TAD II IP66

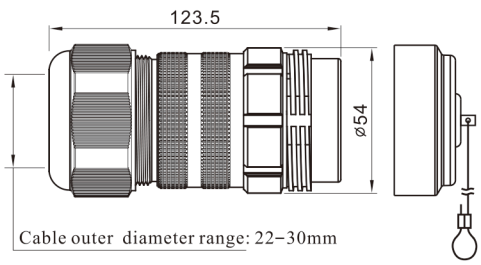




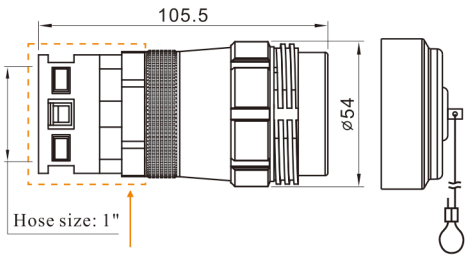
- Female-contact connector with clamping-nut: WL52K19T IP67



- Female-contact connector with clamping-nut 2: WL52K19TII IP67

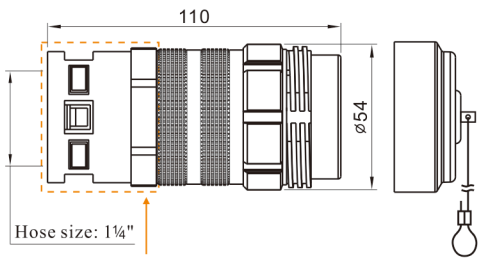


- Female-contact connector for PG29 Plastic hose adapter: WL52K19TAD I IP66



Optional plastic hose adapter

- Female-contact connector for M40 ×1.5 Plastic hose adapter： WL52K19TAD II IP66

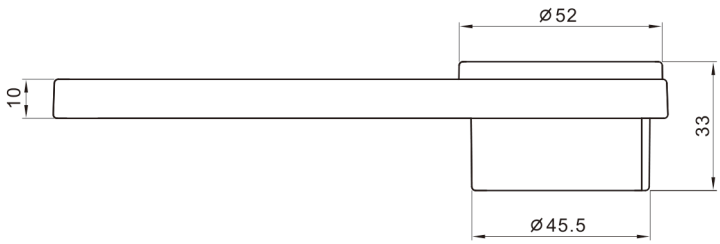


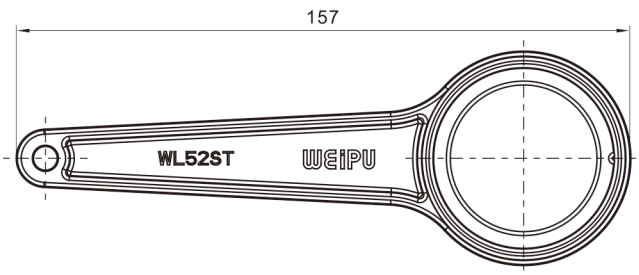
Optional plastic hose adapter



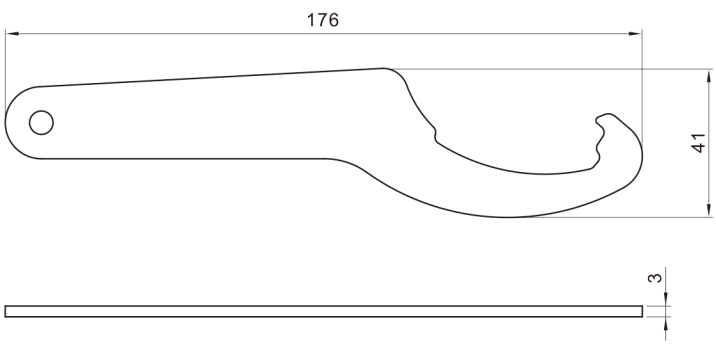


● Wrench 1：WL52ST

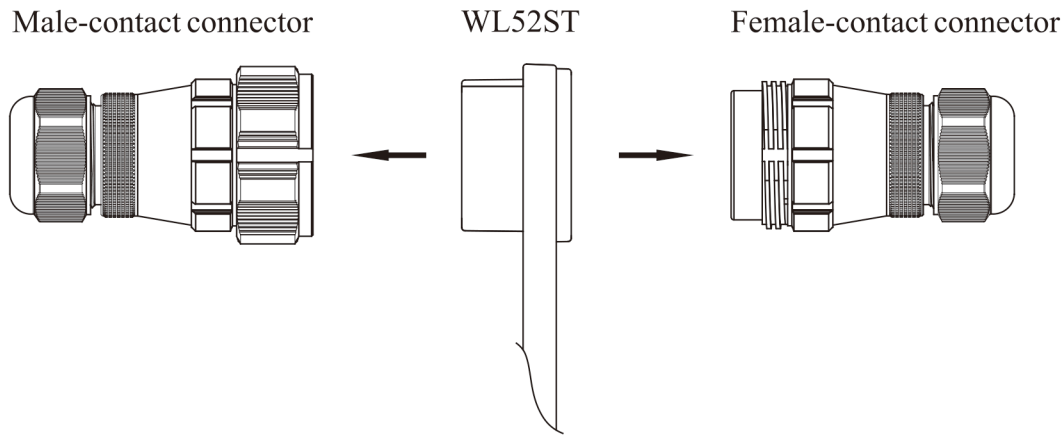


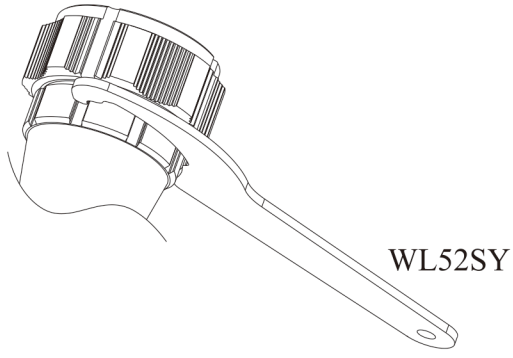


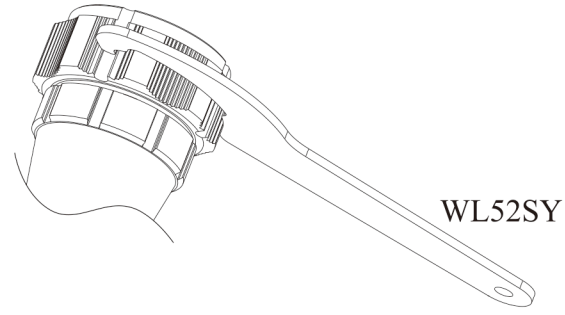
● Wrench 2：WL52SY

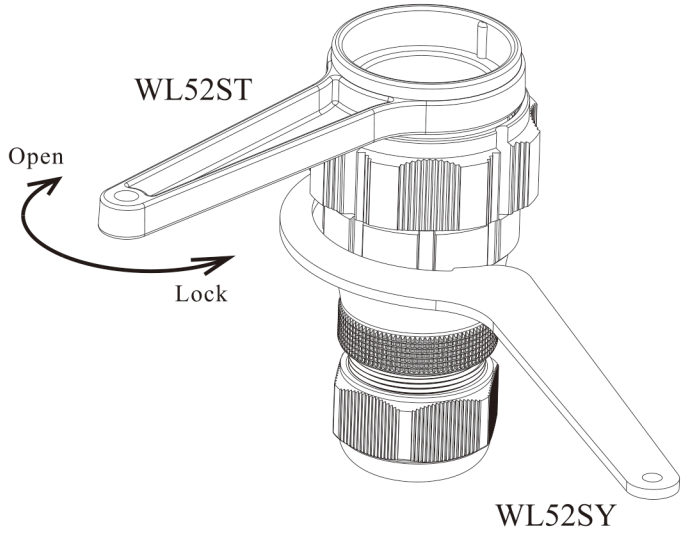


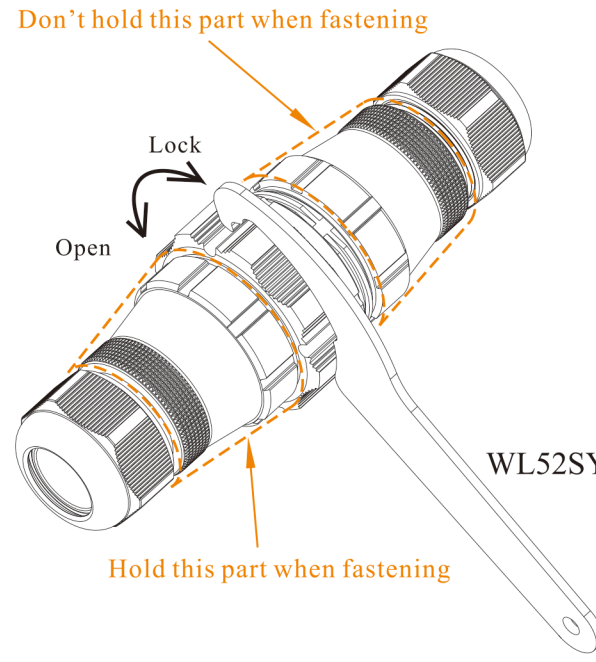
Instruction












WEiPU
WL52 SERIES
CE

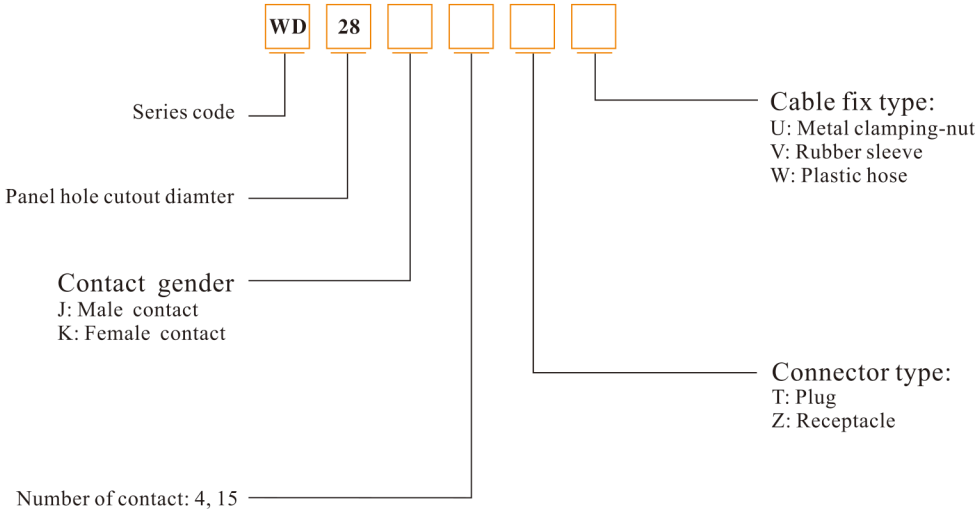
IP67 WL52 Series





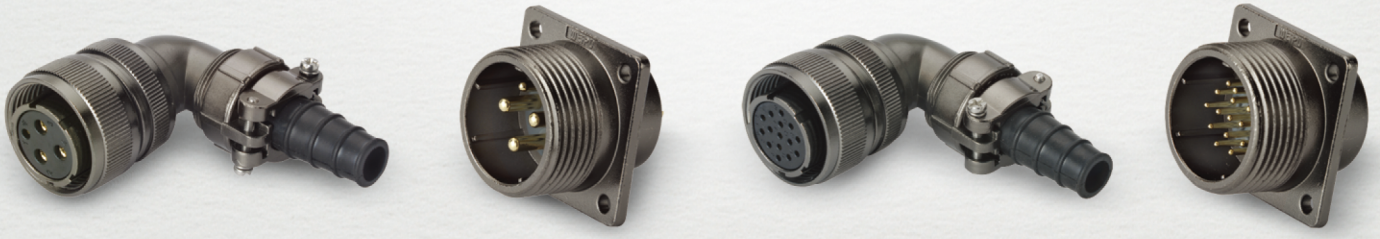
WD Series

Part number system

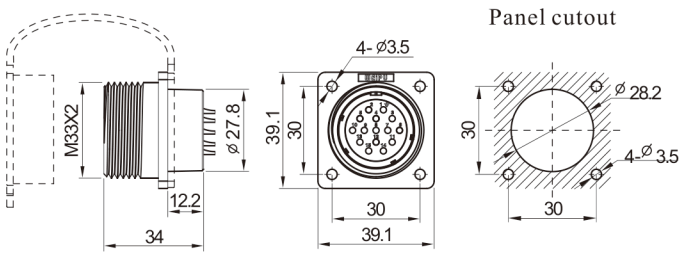


Material and spec

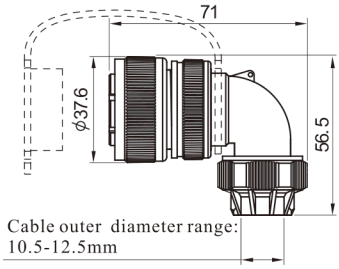
Coupling	Threaded
Shell material	Zinc alloy with black nickel plating
Insert material	PPS, max temperature 260°C
Contact material	Brass with gold plating
Termination	Solder
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance	2000 MΩ



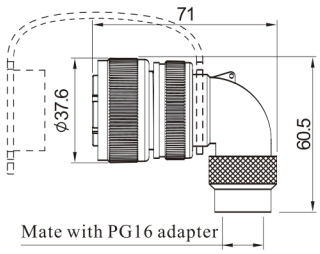
Receptacle: Z IP65



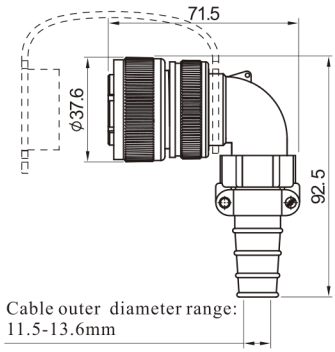
Cable connector with clamping-nut: TU IP65



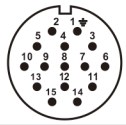
Cable connector for plastic hose: TW IP55



Cable connector with rubber sleeve: TV IP65



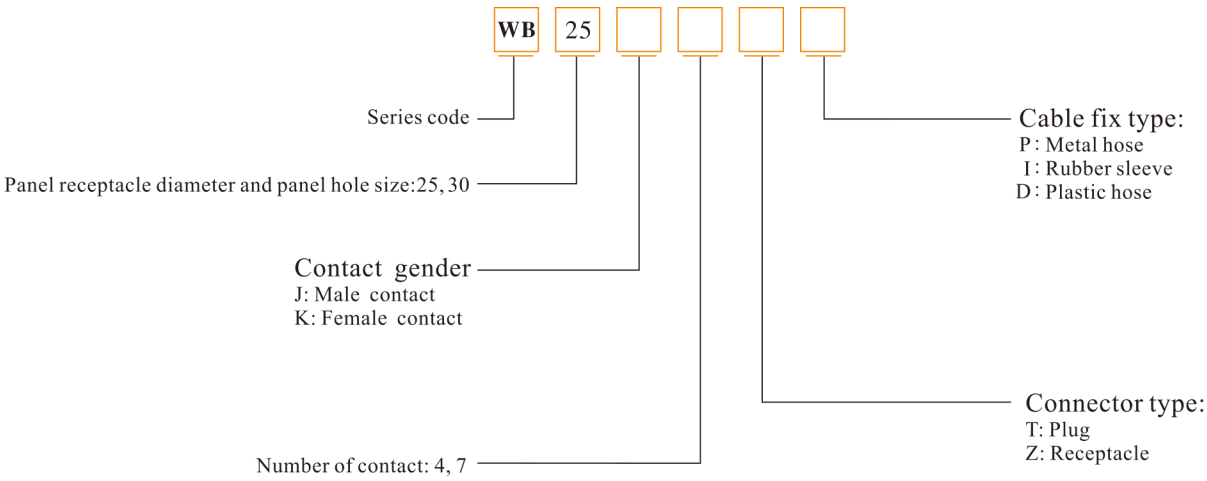
Solder contact spec

Number of contact	4	15
Male contact face view		
Rated current (A)	50A、25A	10A
Contact diameter	Ø3.5×3、Ø2.5×1	Ø1.5×15
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance (MΩ)	1、0.5	2.5
Wire size (mm²/AWG)	≤10 / 7、≤4 / 11	≤2 / 14



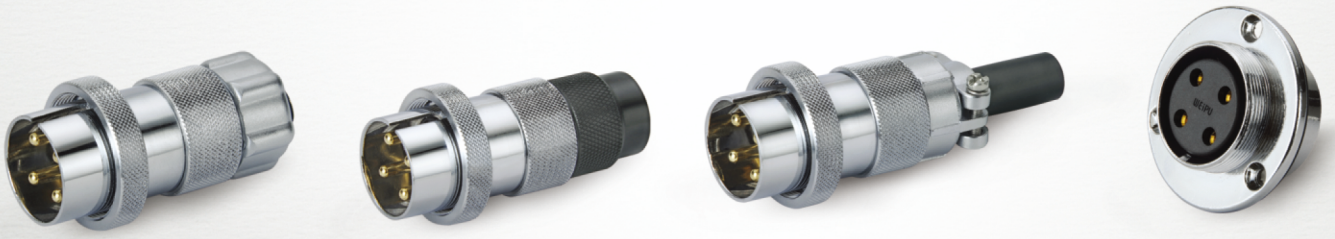
WB Series

Part number system

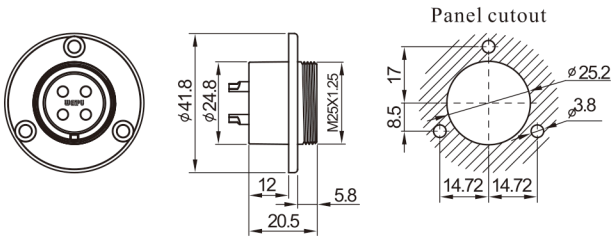


Material and spec

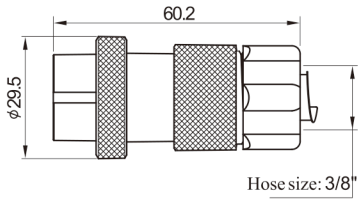
Coupling	Threaded
Shell material	Zinc alloy with chrome plating
Insert material	PPS, max temperature 260℃
Contact material	Brass with gold plating
Termination	Solder
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance	2000 MΩ



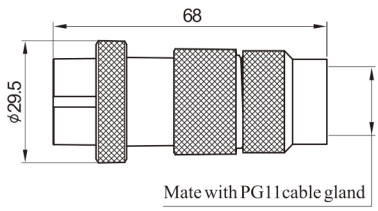
Receptacle: Z



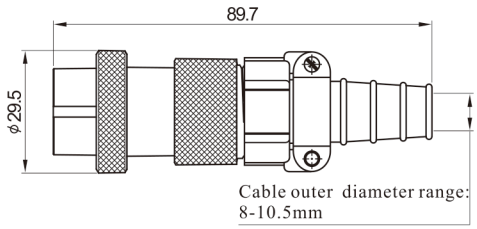
Plug for metal-hose: TP



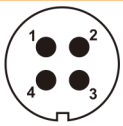
Plug for plastic hose: TD

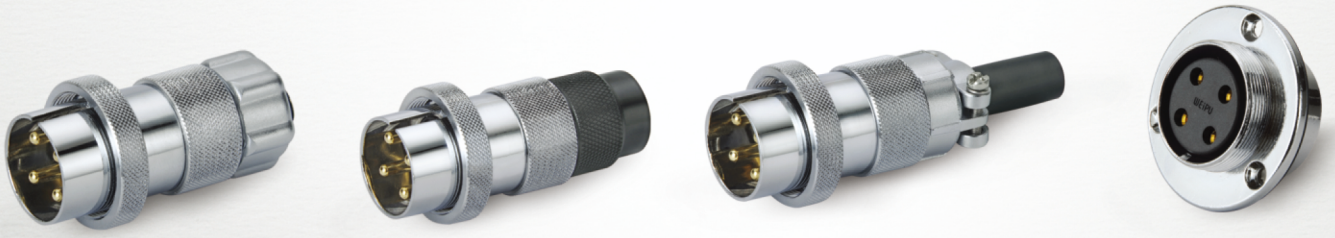


Plug with rubber sleeve: TI

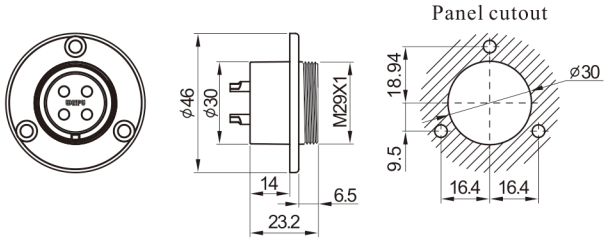


Solder contact spec

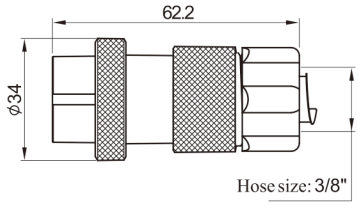
Number of contact	4
Male contact face view	
Rated current (A)	25
Contact diameter	φ2.5×4
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance (MΩ)	1
Wire size (mm²/AWG)	≤4 / 11



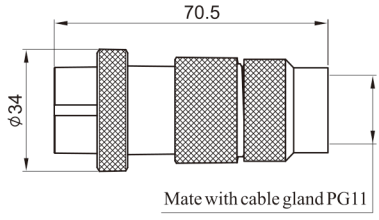
Receptacle: Z



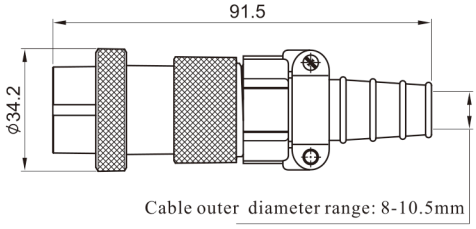
Plug for metal-hose: TP



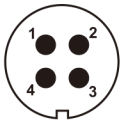
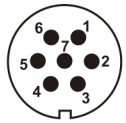
Plug for plastic hose: TD



Plug with rubber sleeve: TI



Solder contact spec

Number of contact	4	7
Male contact face view		
Rated current (A)	30	25
Contact diameter	∅3.5×4	∅2.5×7
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance (MΩ)	1	2.5
Wire size (mm²/AWG)	≤4 / 11	≤2 / 14

WB Series





WS Series

Part number system

WS □ □ □ □ □

Series code

Panel hole cutout diameter
16、20、24、28、32、40、48、55

Contact gender
J: Male contact
K: Female contact

Number of solder contact:
2、3、4、5、6、7、8、9、10、11、12、13、15、16、17、19、20、24、26、27、31、38、40、42、53、61

Number of crimp contact:
2、3、4、5、6、7、8、9、10、12、15、19、31、38、42、61

Termination type:
1: Solder
-2: Screw (for Ø2.5, Ø3, Ø3.5 mm contact)
-3: Crimp

Shell structure and cable fix type:
Z: Square flange receptacle
ZM: Round flange receptacle
ZMQ: Front-nut-mount receptacle
ZG: 2-hole flange receptacle

Straight:
ZYB: Receptacle with cable clamping plates B (for WS16-28)
ZY: Receptacle with cable clamping plates (for WS32-55)
T Q: Plug with PVC sleeve
ZQB: Receptacle with PVC sleeve B (for WS16-28)
ZQ: Receptacle with PVC sleeve (for WS32-55)
T P: Plug for metal hose
ZPB: Receptacle for metal hose B (for WS16-28)
ZP: Receptacle for metal hose (for WS32-55)
T D: Plug for plastic hose
ZDB: Receptacle for plastic hose B (for WS16-28)
ZD: Receptacle for plastic hose (for WS32-55)

Angled:
T R/ ZR: Plug / receptacle for metal hose
TS / ZS: Plug / receptacle with cable clamping plates
T C/ ZC: Plug / receptacle for plastic hose

Remarks: The rated current decreases according to the number of contacts, more contacts, less rated current.

Number of contact	1~3	4~10	11~20	21~30	31~40	41~50	51-61
Rated current dacrease rate	0	10	20	30	40	50	60

★ Each side can be male or female contact ★ Crimp contact spec see page 107-110
★ Solder contact spec see page 105-106 ★ Screw contact spec see page 111-112

Material and spec

Coupling	Threaded
Shell material	Zinc alloy with chrome plating
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: Ø1, Ø1.5, Ø2.5, Ø3.5, Ø5, 5mm; Screw: Ø2.5, Ø3, Ø3.5mm; Crimp: Ø1, Ø1.5, Ø2.5, Ø3.5, Ø5.5, Ø10mm
Mating cycle	500
Temperature range	-40℃~+85℃

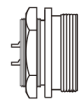
WS Series Mating diagram

◆ Square flange receptacle



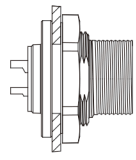
Z

◆ Round flange receptacle



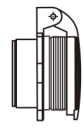
ZM

◆ Front-nut-mount receptacle



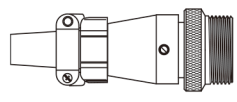
ZMQ

◆ 2-hole flange receptacle with cap



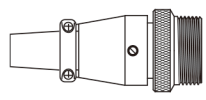
ZG

◆ In-line receptacle with cable clamping plates



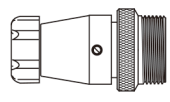
ZYB (16-28)
ZY (32-55)

◆ In-line receptacle with PVC sleeve



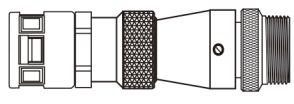
ZQB (16-28)
ZQ (32-55)

◆ In-line receptacle for metal hose



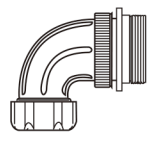
ZPB (16-28)
ZP (32-55)

◆ In-line receptacle for plastic-hose



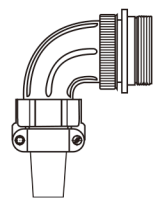
ZDB (16-28)
ZD (32-55)

◆ In-line receptacle with angled back shell for metal-hose



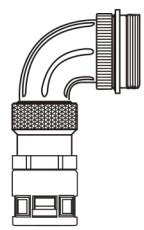
ZR

◆ In-line receptacle with angled back shell and cable clamping plates



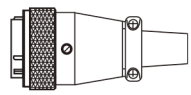
ZS

◆ In-line receptacle with angled back shell for plastic-hose



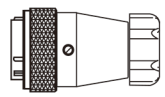
ZC

TQ



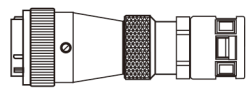
◆ Plug with PVC sleeve

TP



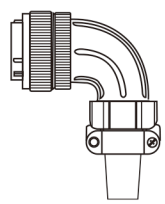
◆ Plug for metal-hose

TD



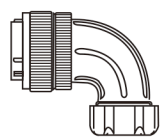
◆ Plug for plastic-hose

TS



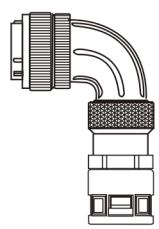
◆ Plug with angled back shell and cable clamping plates

TR



◆ Plug with angled back shell for metal-hose

TC



◆ Plug with angled back shell for plastic-hose

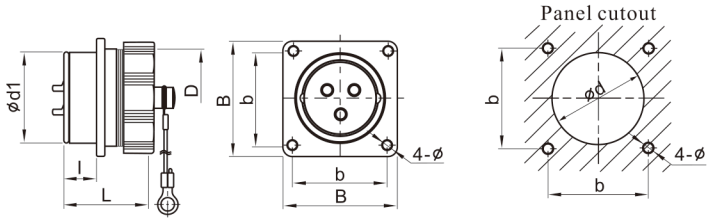


◆ Plastic receptacle cap

★ Each side can be male or female contact
★ Solder contact spec see page 105-106
★ Crimp contact spec see page 107-110
★ Screw contact spec see page 111-112

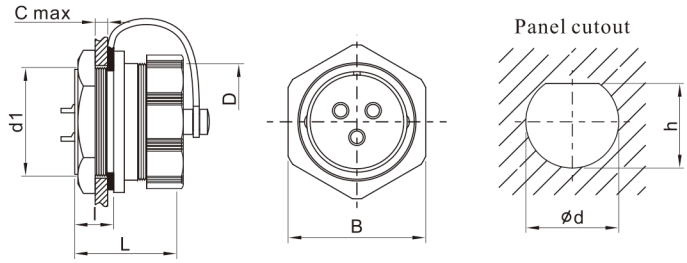


Square flange mount receptacle: Z



Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ød1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
D	M18X1	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
l	9.7	9.8	10	9.8	14.4	14.2	14.2	14
L	21.6	23	23	23	34	34	34	34
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
ød	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

Round flange receptacle: ZM

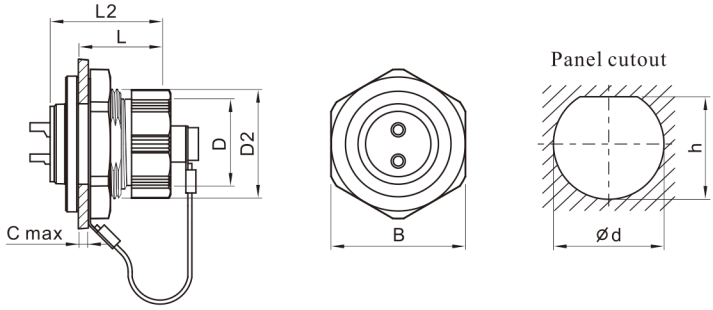


Dimension(mm)	WS16	WS20	WS24	WS28
d1	M16X1	M20X1	M24X1	M28X1
D	M18X1	M22X1	M26X1	M30X1
C	5	5	5	5
l	9.7	9.9	10	10.2
L	22	23	23	23
B	21.2	25.5	29.2	33.3
ød	15.7	19.7	23.9	27.7
h	15.3	19.3	23.2	26.9



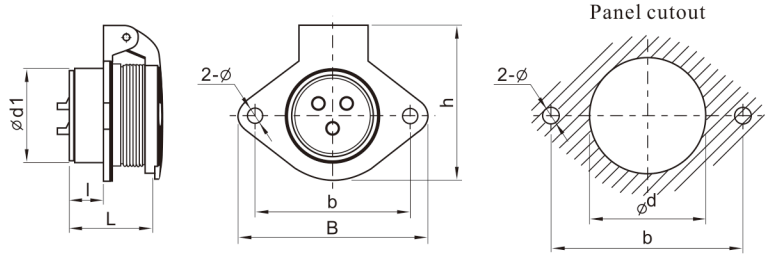


Front-nut-mount receptacle: ZMQ IP67



Dimension(mm)	WS16	WS20	WS24	WS28
ØD	M18X1	M22X1	M26X1	M30X1
D2	M22X1	M26X1	M30X1	M34X1
L	16	17	17	17
L2	21.6	23	23	23
C	5	5	5	5
B	26.8	30.8	34.8	38.8
Ød	22	26	30	34
h	20.6	24.6	28.6	32.6

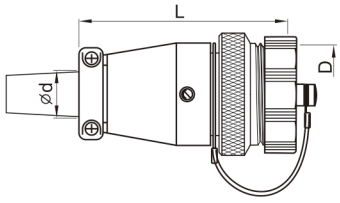
2-hole flange receptacle with cap: ZG



Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
Ød1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
l	10	10	10	10	15.4	14.7	14.3	14
L	22	23	23	23	34	34	34	34
b	30	35	40	45	55	65	80	85
B	38	44	50	55	67	77	92	98
h	32.5	36.5	40.5	45.5	52.5	63.5	74.5	80
Ød	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
Ø	3.5	4.5	4.5	4.5	5.5	5.5	5.5	6.5



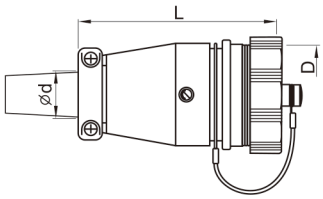
In-line receptacle with PVC sleeve B: ZQB



Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	44.5	49	53	55
Ød max	10.5	13	14	17.5

Optional cap size see P101
PVC sleeve dimension see P101

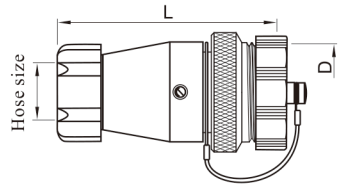
In-line receptacle with PVC sleeve: ZQ



Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	70.5	76.5	85	97.5
Ød max	21.5	26	26.5	32

Optional cap size see P101
PVC sleeve dimension see P101

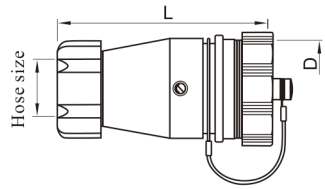
In-line receptacle for metal-hose B: ZPB



Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	50	57.5	60.5	64.5
Hose size	1/4″	3/8″	3/8″	1/2″

Optional cap size see P101

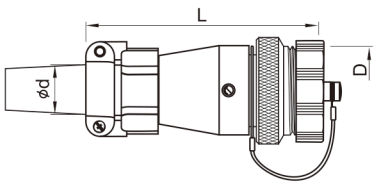
In-line receptacle for metal-hose: ZP



Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	80	87	97	113
Hose size	3/4″	1″	I: 1″ II: 1¼″	1¼″

Optional cap size see P101

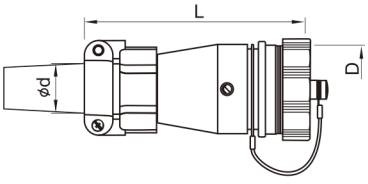
In-line receptacle with cable clamping plates B: ZYB



Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	50. 5	60. 5	63. 5	69
Ød max	10.4	13. 5	13. 5	17

Optional cap size see P101
PVC sleeve dimension see P101

In-line receptacle with cable clamping plates: ZY

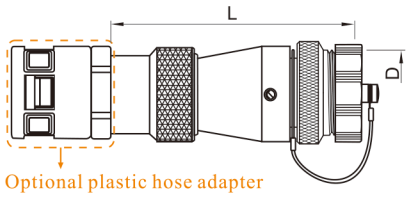


Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	86	95	102	117.5
Ød max	19	25	I: 24 II: 32	32

Optional cap size see P101
PVC sleeve dimension see P101



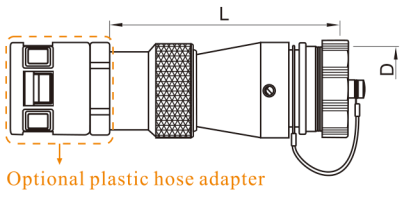
In-line receptacle for plastic-hose B: ZDB



Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	55.5	64.5	69	75.5
Adapter size	PG7	PG11	PG11	PG16
Hose size	1/4″	3/8″	3/8″	1/2″

Optional cap size see P101

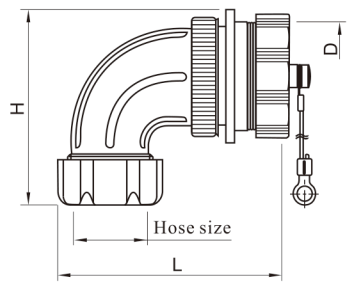
In-line receptacle for plastic-hose: ZD



Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	89.5	96.5	105	119.5
Adapter size	PG21	PG29	I: PG29 II: PG36	PG36
Hose size	3/4″	1″	I: 1″ II: 1¼″	1¼″

Optional cap size see P101

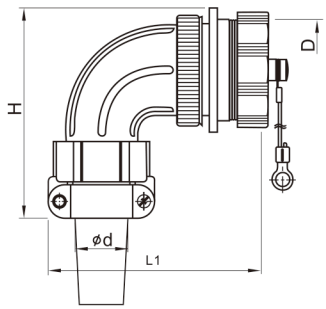
In-line receptacle with angled back shell for metal-hose: ZR



Dimension(mm)	/	WS20	WS24	WS28	WS32	WS40	WS48	WS55
D	——	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	——	61	60.5	64.5	83.5	90.5	97	114.5
H	——	48	51.5	52	63.5	74.5	85	98
Hose size	——	3/8″	3/8″	1/2″	3/4″	1″	1″	1¼″

Optional cap size see P101

In-line receptacle with angled back shell and cable clamping plates: ZS

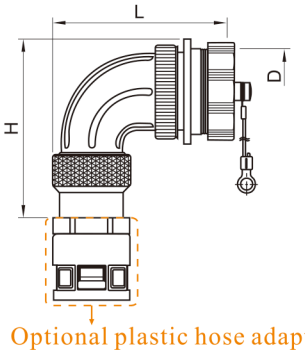


Dimension(mm)	/	WS20	WS24	WS28	WS32	WS40	WS48	WS55
D	——	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	——	60.5	60.5	64.5	82	89	95.5	114
H	——	56.5	57	63.5	72	83.5	94.5	112.5
ød max	——	13.5	13	17	19	23	24	32

Optional cap size see P101



In-line receptacle with angled back shell for plastic-hose: ZC

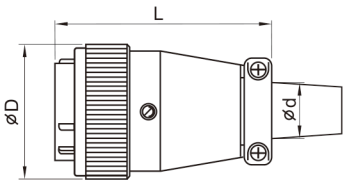


Optional plastic hose adapter

Dimension(mm)		WS20	WS24	WS28	WS32	WS40	WS48	WS55
D	——	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	——	60	61	63	82	88.5	95	112
H	——	58	60	65	75.5	83	95.5	104
Adapter size	——	PG11	PG11	PG16	PG21	PG29	PG29	PG36
Hose size	——	3/8″	3/8″	1/2″	3/4″	1″	1″	1¼″

Optional cap size see P101

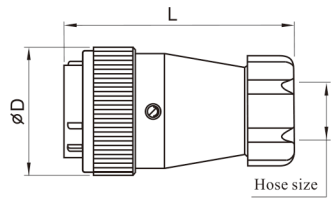
Plug with PVC sleeve: TQ



Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	21.5	26	30	34	39.5	49.5	57	64.5
L	44	49	53	55	69	76	85	97
Ød max	10.5	13	13.5	17.5	21.5	26	25.5	32

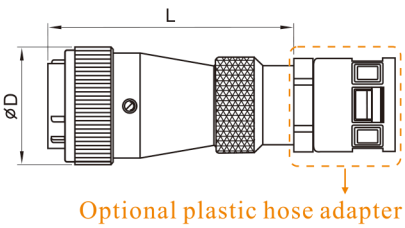
PVC sleeve dimension see P101

Plug for metal-hose: TP



Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD1	21.5	26	29	34	39.5	49.5	57	64.5
L	48.5	57	61	64	81	86	96.5	112
Hose size	1/4″	3/8″	3/8″	1/2″	3/4″	1″	I: 1″ II: 1¼″	1¼″

Plug for plastic-hose: TD

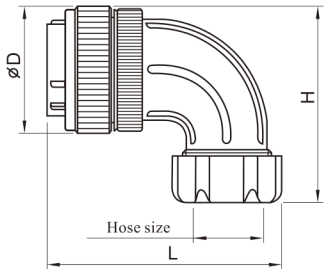


Optional plastic hose adapter

Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	21.5	26	30	34.5	39.5	49.5	57	64.5
L	56	64.5	68.5	73	88.5	95.5	105	119
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	I: PG29 II: PG36	PG36
Hose size	1/4″	3/8″	3/8″	1/2″	3/4″	1″	I: 1″ II: 1¼″	1¼″

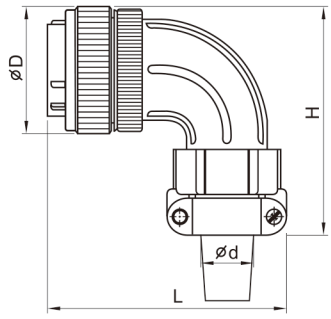


Plug with angled back shell for metal-hose: TR



Dimension(mm)		WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	——	27.5	31	35	39	49	57	64.5
H	——	50	51	54.5	63	73	89	97.5
L	——	60	60	64	82	87.5	94	115
Hose size	——	3/8″	3/8″	1/2″	3/4″	1″	1″	1¼″

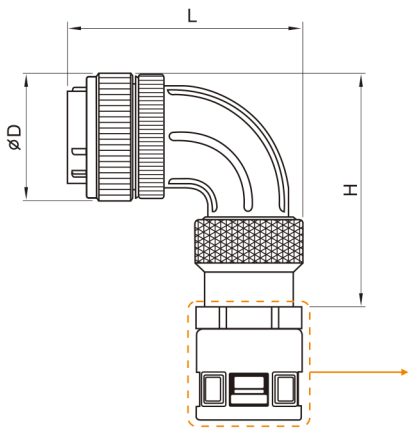
Plug with angled back shell with cable clamping plates: TS



Dimension(mm)		WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	——	27.5	31	35	39	49.5	57	65
H	——	53.5	56	61	67.5	78	91	99.5
L	——	60	60	64	81	88	95	106
Ød max	——	13.5	13.5	16.8	19	23.5	24	32

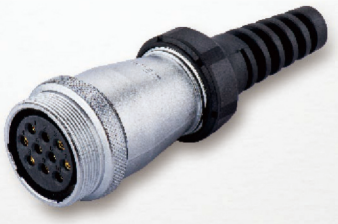
PVC sleeve dimension see P101

Plug with right angle back shell for plastic-hose: TC

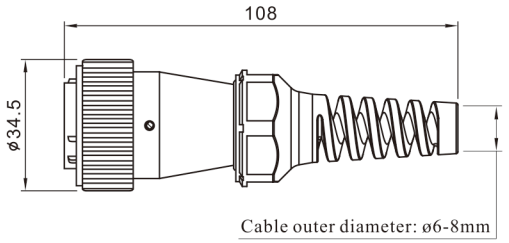


Dimension(mm)		WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	——	27.5	31	35	39	49.5	57	64.5
H	——	57	62	65	71.5	82	96	104
L	——	59.5	60	63	81	88	94	112
Adapter size	——	PG11	PG11	PG16	PG21	PG29	PG29	PG36
Hose size	——	3/8″	3/8″	1/2″	3/4″	1″	1″	1¼″

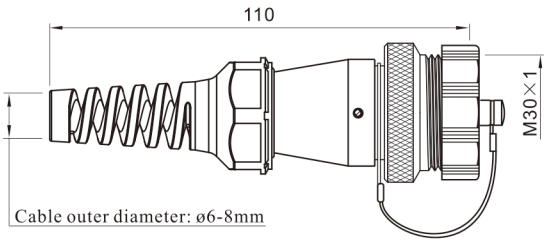




Plug with strain relief: TX



In-line receptacle with anti-bending sleeve: ZXB



★ It can be produced 28 modle,other models are customizabl

Solder contact spec

★ Crimp contact spec see P107-P110 ★ Screw contact spec see P111-P112

WS28	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60、5	25、5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	ø3.5X2	ø3.5X3	ø2.5X4	ø2.5X7	ø2.5X8	ø5X2 ø1X6	ø2.5X4 ø1X5	ø2.5X10	ø1.5X10	ø1.5X12	ø1.5X16	ø1.5X17	ø1X20	ø1X24	ø1X26	ø1X35
Rated voltage (AC.V)	500	500	500	500	500	500 400	500	500	500	500	500	500	400	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
Contact resistance(mΩ)	0.5	0.5	1	1	1	5、0.5	1、5	1	2.5	2.5	2.5	2.5	5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size (mm²/AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/



WF Series

Part number system

WF □ □ □ □ □

Series code

Panel hole cutout diameter
16、20、24、28、32、40、48、55

Contact gender
J: Male contact
K: Female contact

Number of solder contact:
2、3、4、5、6、7、8、9、10、11、
12、13、15、16、17、19、20、24、
26、27、31、38、40、42、53、61

Number of crimp contact:
2、3、4、5、6、7、8、9、10、12、
15、19、31、38、42、61

Termination type:
1: Solder
2: Screw (for Ø2.5, Ø3, Ø3.5 mm contact)
3: Crimp

Shell structure and cable fix type :

Straight
- Z: Square flange receptacle
- ZM: Round flangel receptacle
- ZMQ: Front-nut-mount receptacle
- ZG: 2-hole flange receptacle
- TA: Plug with plastic clamping-nut
- ZAB: Receptacle with plastic clamping-nut B (for WF16-28)
- ZA: Receptacle with plastic clamping-nut (for WF32-55)
- TN: Plug for plastic-hose
- ZNB: Receptacle for plastic-hose B (for WF16-28)
- ZN: Receptacle for plastic-hose (for WF32-55)
- T E: Plugwith metal clamping-nut
- ZEB: Receptacle with metal clamping-nut B (for WF16-28)
- ZE: Receptacle with metal clamping-nut (for WF32-55)
- T I: Plug with cable clamping plates
- ZIB: Receptacle with cable clamping plates B (for WF16-28)
- ZI: Receptacle with cable clamping plates (for WF32-55)

Angled
- TU: Plug with metal clamping-nut
- TV: Plug with cable clamping plates
- TW: Plug for plastic-hose

Remarks : The rated current decreases according to the number of contacts, more contacts, less rated current.

Number of contact	1~3	4~10	11~20	21~30	31~40	41~50	51-61
Rated current dacrease rate (%)	0	10	20	30	40	50	60

★ Each side can be male or female contact ★ Crimp contact spec see page 107-110
★ Solder contact spec see page 105-106 ★ Screw contact spec see page 111-112

Material and spec

Coupling	Threaded
Shell material	Zinc alloy with chrome plating
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: ø1, ø1.5, ø2.5, ø3.5, ø5,5mm; Screw: ø2.5, ø3, ø3.5mm; Crimp: ø1, ø1.5, ø2.5, ø3.5, ø5.5, ø10mm
Mating cycle	500
Temperature range	-40℃~+85℃

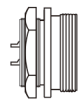
WF Series Mating diagram

◆ Square flange receptacle IP67



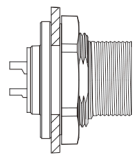
Z

◆ Round flange receptacle IP67



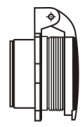
ZM

◆ Front-nut-mount receptacle IP67

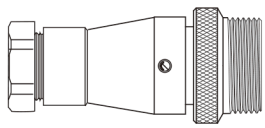


ZMQ

◆ 2-hole flange receptacle with cap IP67 (cap IP44)

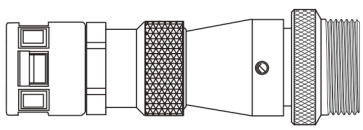


ZG



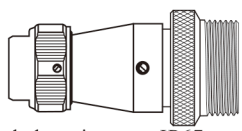
ZAB (16-28)
ZA (32-55)

◆ In-line receptacle with plastic clamping-nut IP65



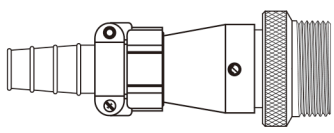
ZNB (16-28)
ZN (32-55)

◆ In-line receptacle for plastic-hose IP55



ZEB (16-28)
ZE (32-55)

◆ In-line receptacle with metal clamping-nut IP67



ZIB (16-28)
ZI (32-55)

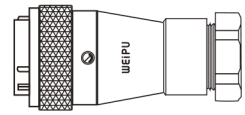
◆ In-line receptacle with cable clamping plates IP65

◆ Plastic receptacle cap IP44



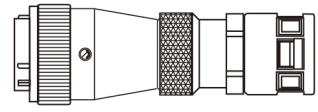
★ IP rating marked is for after mated or with cap.

TA



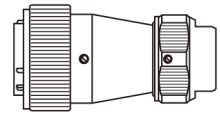
◆ Plug with plastic clamping-nut IP65

TN



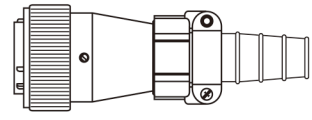
◆ Plug for plastic-hose IP55

TE



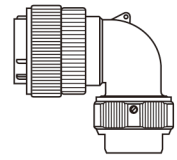
◆ Plug with metal clamping-nut IP67

TI



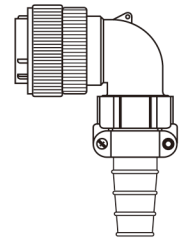
◆ Plug with cable clamping plates Ip65

TU



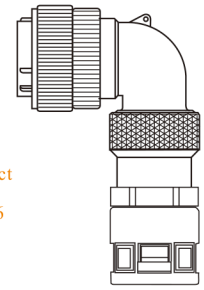
◆ Plug with angled back shell and metal clamping-nut IP65

TV



◆ Plug with angled back shell and cable clamping plates Ip65

TW

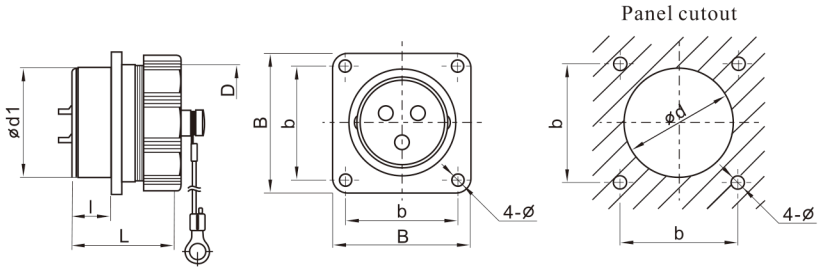


◆ Plug with angled back shell for plastic-hose IP55

★ Each side can be male or female contact
★ Solder contact spec see page 105-106
★ Crimp contact spec see page 107-110
★ Screw contact spec see page 111-112

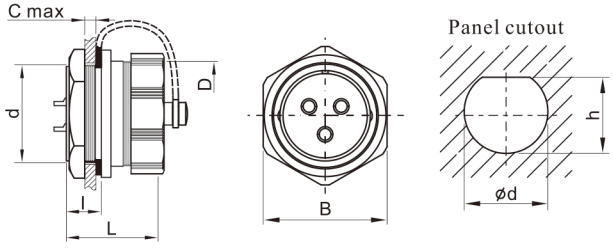


Square flange receptacle: Z IP67



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ød1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
D	M18X1	M22X1	M26X1	M30X1	M35X1	M44X1	M52X1.5	M59X1.5
l	9.7	9.8	10	9.8	14.4	14.2	14.2	14
L	21.6	23	23	23	34	34	34	34
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
ød	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

Round flange receptacle: ZM IP67

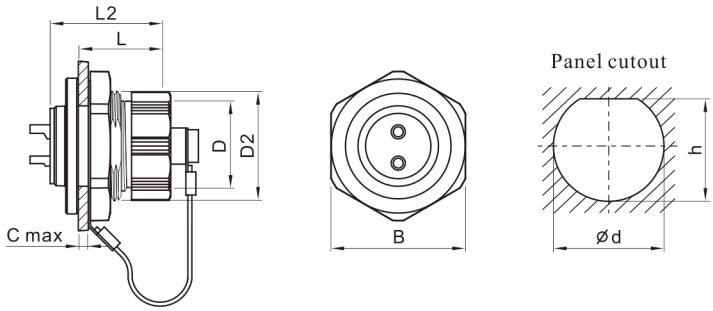


Dimension(mm)	WF16	WF20	WF24	WF28
d	M16X1	M20X1	M24X1	M28X1
D	M18X1	M22X1	M26X1	M30X1
C	5	5	5	5
l	9.7	9.9	10	10.2
L	22	23	23	23
B	21.2	25.5	29.2	33.3
ød	15.7	19.7	23.9	27.7
h	15.3	19.3	23.2	26.9



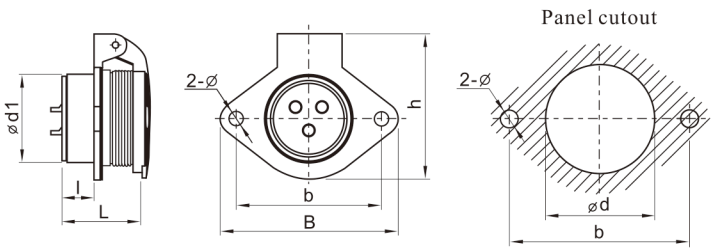


Front-nut-mount panel receptacle: ZMQ IP67



Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
D2	M22X1	M26X1	M30X1	M34X1
L	16	17	17	17
L2	21.6	23	23	23
C	5	5	5	5
B	26.8	30.8	34.8	38.8
Ød	22	26	30	34
h	20.6	24.6	28.6	32.6

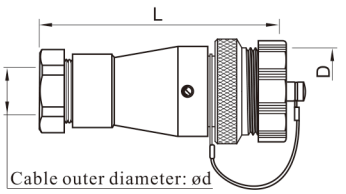
2-hole flange receptacle with cap: ZG IP67(cap IP44)



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
Ød1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
l	10	10	10	10	15.4	14.7	14.3	14
L	22	23	23	23	34	34	34	34
b	30	35	40	45	55	65	80	85
B	38	44	50	55	67	77	92	98
h	32.5	36.5	40.5	45.5	52.5	63.5	74.5	80
Ød	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
Ø	3.5	4.5	4.5	4.5	5.5	5.5	5.5	6.5



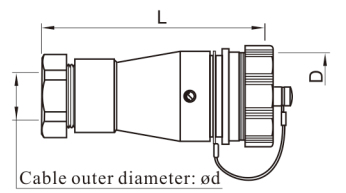
In-line receptacle with plastic clamping-nut B: ZAB IP65



Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	53.5	65	68	73.5
ød	4.5-7	5-12	5-12	6.5-15.5

Optional cap size see P101

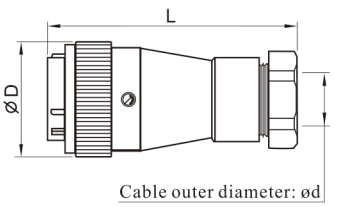
In-line receptacle with plastic clamping-nut: ZA IP65



Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	89	109	108.5	128
ød	8.5-19.5	11.5-24.5	11.5-24.5	15-31

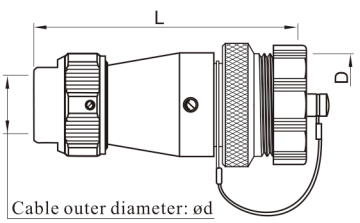
Optional cap size see P101

Plug with plastic clamping-nut: TA IP65



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ØD	22	26	30	34.5	39.5	49.5	57	64.5
L	53.5	64	67	73	89.5	100	108.5	127
ød	4.5-7	5-12	5-12	6.5-15.5	8.5-19.5	11.5-24.5	11.5-24.5	15-31

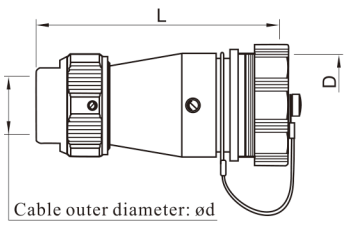
In-line receptacle with metal clamping-nut B: ZEB IP67



Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	55	63	66.5	70
ød	5-6.5	9-10.5	9-10.5	10.5-12.5

Optional cap size see P101

In-line receptacle with metal clamping-nut: ZE IP67

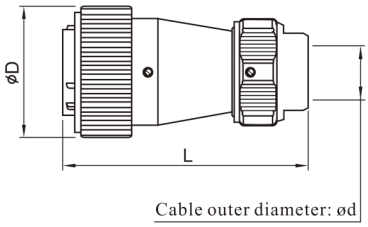


Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	90.5	103.5	108	131.5
ød	15.5-17	18-20	I:18-20 II:24.5-26	24.5-26

Optional cap size see P101

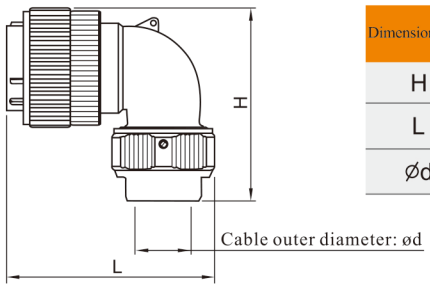


Plug with metal clamping-nut: TE IP67



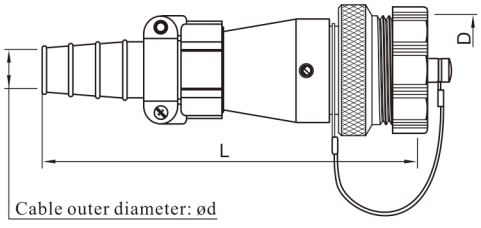
Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
øD	22	26	30	34.5	39.5	49.5	57	64.5
L	54.5	62.5	65	68	88	100	110	131.5
ød	5-6.5	9-10.5	9-10.5	10.5-12.5	15.5-17	18-20	I:18-20 II:24.5-26	24.5-26

Plug with angled back shell and metal clamping-nut: TU IP65



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
H	43	51	59	57	73.5	85	103	108
L	48	57	59	61	84	90	97	109
Ød	5-6.5	9-10.5	9-10.5	10.5-12.5	15.5-17	18-20	24.5-26	24.5-26

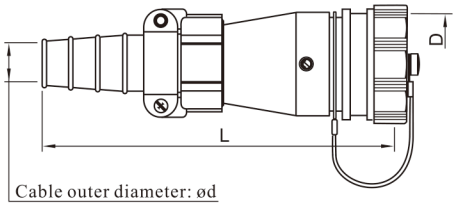
In-line receptacle with cable clamping plates B: ZIB IP65



Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	73.5	90	93.5	104
Ød	7-8	8-10. 5	8-10. 5	11.5-13.6

Optional cap size see P101

In-line receptacle with cable clamping plates: ZI IP65

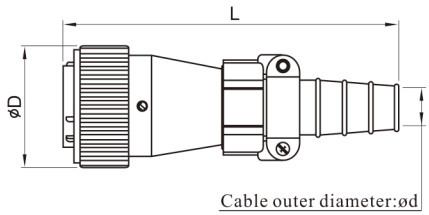


Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	118.5	130	137	163
Ød	13-15.6	15.5-18.8	I:15.5-18.8 II:24-28	24-28

Optional cap size see P101

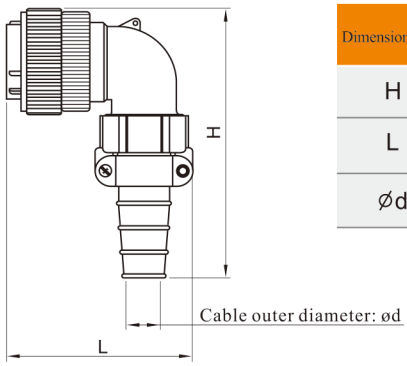


Plug with cable clamping plates: TI IP65



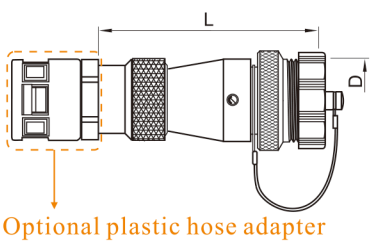
Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
øD	22	26	30	34.5	39.5	49.5	57	64.5
L	72.5	87	92	100.5	118.5	130.5	140	163
ød	7-8	8-10. 5	8-10. 5	11.5-13.6	13-15.6	15.5-18.8	I:15.5-18.8 II:24-28	24-28

Plug with angled back shell and cable clamping plates: TV IP65



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
H	60	80	80	88.5	96	115	127	140
L	49.5	56.5	58	61	82.5	90	98	108
ød	7-8	8-10. 5	8-10. 5	11.5-13.6	13-15.6	15.5-18.8	24-28	24-28

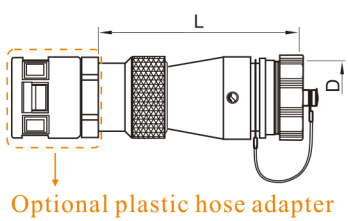
In-line receptacle for plastic-hose B: ZNB IP55



Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	54.5	64	67	73
Adapter size	PG7	PG11	PG11	PG16
Hose size	1/4″	3/8″	3/8″	1/2″

Optional cap size see P101

In-line receptacle for plastic-hose: ZN IP55



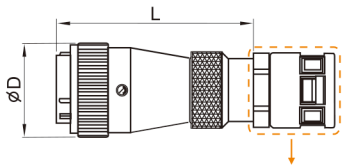
Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	86.5	95	104	120
Adapter size	PG21	PG29	I: PG29 II: PG36	PG36
Hose size	3/4″	1″	I: 1″ II: 1¼″	1¼″

Optional cap size see P101



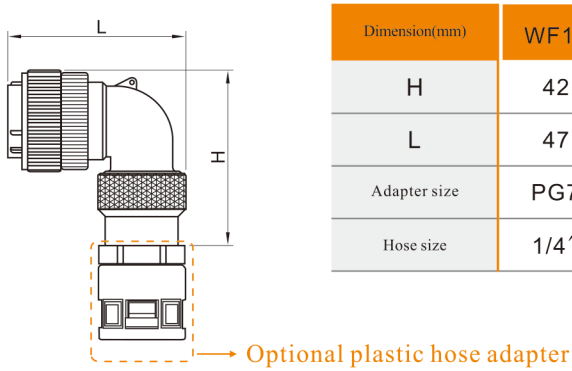


● Plug for plastic-hose: TN IP55



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ØD	22	26	30	34.5	39.5	49.5	57	64.5
L	54	62.5	66.5	72.5	87.5	95	105	118
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	I: PG29 II: PG36	PG36
Hose size	1/4″	3/8″	3/8″	1/2″	3/4″	1″	I: 1″ II: 1¼″	1¼″

● Plug with angled back shell for plastic-hose: TW IP55

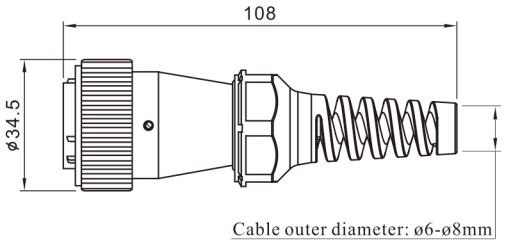


Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
H	42	53.5	54.5	60	67	80	89.5	95
L	47	56.5	57.5	61	82	88.5	95	106
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	PG36	PG36
Hose size	1/4″	3/8″	3/8″	1/2″	3/4″	1″	1¼″	1¼″

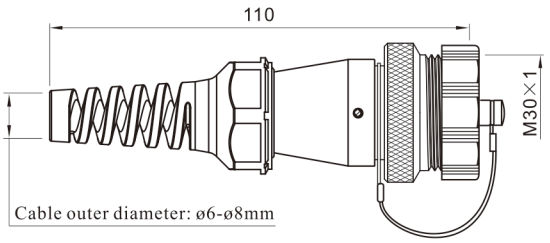




Plug with strain relief: TX IP67



In-line receptacle with anti-bending sleeve: ZXB IP67



★ It can be produced 28 modle,other models are customizabl

Solder contact spec

★ Crimp contact spec see P107-P110 ★ Screw contact spec see P111-P112

WF28	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60、5	25、5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	ø3.5X2	ø3.5X3	ø2.5X4	ø2.5X7	ø2.5X8	ø5X2 ø1X6	ø2.5X4 ø1X5	ø2.5X10	ø1.5X10	ø1.5X12	ø1.5X16	ø1.5X17	ø1X20	ø1X24	ø1X26	ø1X35
Rated voltage (AC.V)	500	500	500	500	500	500 400	500	500	500	500	500	500	400	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
Contact resistance (mΩ)	0.5	0.5	1	1	1	5、0.5	1、5	1	2.5	2.5	2.5	2.5	5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size (mm²/AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/



WY Series

Part number system

WY □ □ □ □ □

Series code

Panel hole cutout diameter
16、20、24、28、32、40、48、55

Contact gender
J: Male contact
K: Female contact

Number of solder contact:
2、3、4、5、6、7、8、9、10、11、
12、13、15、16、17、19、20、24、
26、27、31、38、40、42、53、61

Number of crimp contact:
2、3、4、5、6、7、8、9、10、12、
15、19、31、38、42、61

Termination type:
1: Solder
2: Screw (for Ø2.5, Ø3, Ø3.5 mm contact)
3: Crimp

Shell structure and cable fix type:

Straight
- Z: Square flange panel receptacle
- ZM: Round flange receptacle
- ZMQ: Front flange receptacle
- ZG: 2-hole flange receptacle
- TE: Plug with metal clamping-nut
- ZEB: Receptacle with metal clamping-nut B (for WY16-28)
- ZE: Receptacle with metal clamping-nut (for WY32-55)
- TI: Plug with cable clamping plates
- ZIB: Receptacle with cable clamping plates B (for WY16-28)
- ZI: Receptacle with cable clamping plates (for WY32-55)
- TB: Plug for plastic-hose
- ZBB: Receptacle for plastic-hose B (for WY16-28)
- ZB: Receptacle for plastic-hose (for WY32-55)

Angled
- TU: Plug with metal clamping-nut
- TV: Plug with cable clamping plates
- TW: Plug for plastic-hose

Remarks: The rated current decreases according to the number of contacts, more contacts, less rated current.

Number of contact	1~3	4~10	11~20	21~30	31~40	41~50	51-61
Rated current dacrease rate (%)	0	10	20	30	40	50	60

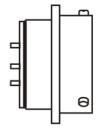
★ Each side can be male or female contact ★ Crimp contact spec see page 107-110
★ Solder contact spec see page 105-106 ★ Screw contact spec see page 111-112

Material and spec

Coupling	Bayonet
Shell material	Zinc alloy with chrome plating
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: ø1, ø1.5, ø2.5, ø3.5, ø5,5mm; Screw: ø2.5, ø3, ø3.5mm; Crimp: ø1, ø1.5, ø2.5, ø3.5, ø5.5, ø10mm
Mating cycle	500
Temperature range	-40℃~+85℃

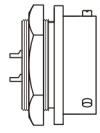
WY Series Mating diagram

◆ Square flange panel receptacle IP67



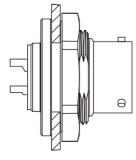
Z

◆ Round flange panel receptacle IP67



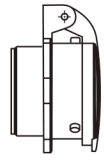
ZM

◆ Front flange panel receptacle IP67

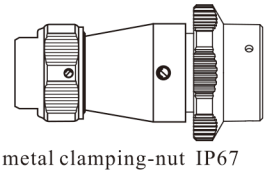


ZMQ

◆ 2-hole flange panel receptacle with cap IP67 (Cap IP44)

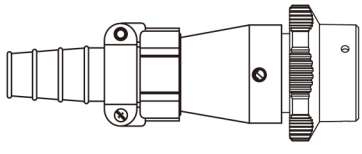


ZG



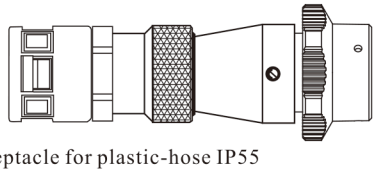
ZEB (16-28)
ZE (32-55)

◆ In-line receptacle with metal clamping-nut IP67



ZIB (16-28)
ZI (32-55)

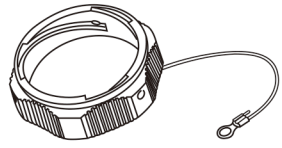
◆ In-line receptacle with cable clamping plates Ip65



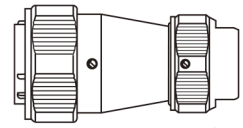
ZBB (16-28)
ZB (32-55)

◆ In-line receptacle for plastic-hose IP55

◆ Metal receptacle cap IP67

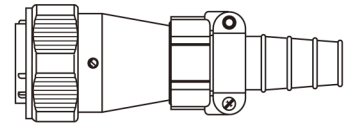


TE



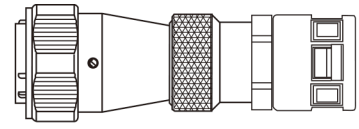
◆ Plug with metal clamping-nut IP67

TI



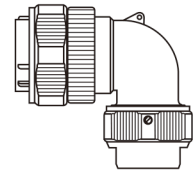
◆ Plug with cable clamping plates Ip65

TB



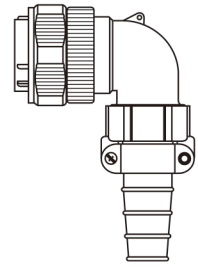
◆ Plug for plastic-hose IP55

TU



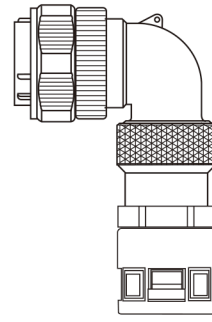
◆ Plug with angled back shell and metal clamping-nut IP66

TV



◆ Plug with angled back shell and cable clamping plates Ip65

TW



◆ Plug with angled back shell for plastic-hose IP55

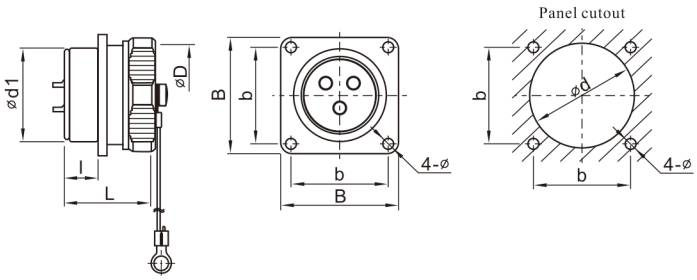
★ IP rating marked is for after mated or with cap.

★ Each side can be male or female contact
★ Solder contact spec see page 105-106
★ Crimp contact spec see page 107-110
★ Screw contact spec see page 111-112



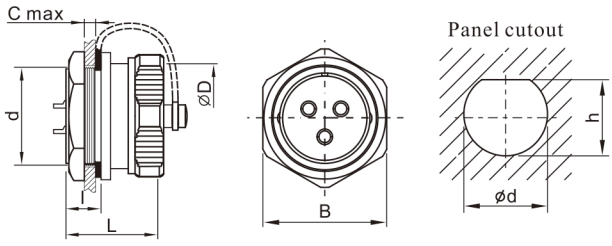


Square flange panel receptacle: Z IP67



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
d1	15.8	19.8	23.8	27.8	31.8	40	47.8	54.8
D	18	22	26	30	35	44	52	59
l	9.7	9.8	10	9.8	14.4	14.2	14.2	14
L	21.6	23	23	23	34	33.5	34	34
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
d	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

Round flange panel receptacle: ZM IP67

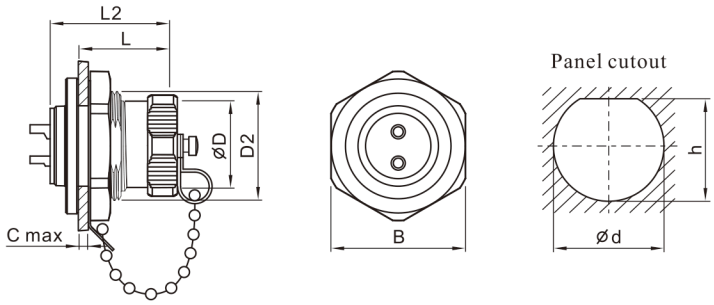


Dimension(mm)	WY16	WY20	WY24	WY28
d	M16X1	M20X1	M24X1	M28X1
D	18	22	26	30
C	5	5	5	5
l	9.7	9.9	10	10.2
L	22	23	23	23
B	21.2	25.5	29.2	33.3
ød	15.9	19.9	23.9	27.9
h	15.3	19.3	23.2	26.9



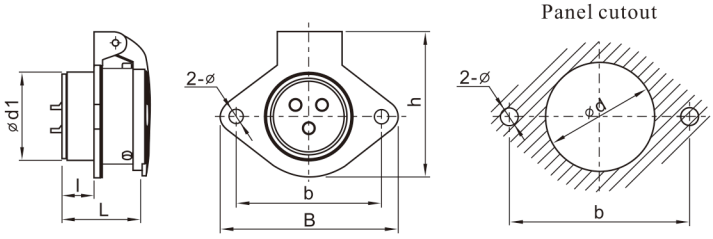


Front-nut-mount receptacle: ZMQ IP67



Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
D2	M22X1	M26X1	M30X1	M34X1
L	16	17	17	17
L2	21.6	23	23	23
C	5	5	5	5
B	26.8	30.8	34.8	38.8
Ød	22	26	30	34
h	20.6	24.6	28.6	32.6

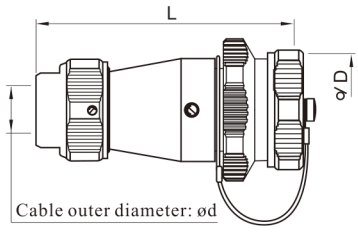
2-hole flange panel receptacle with cap: ZG IP67 (Cap IP44)



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
d1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
d	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
l	10	10	10	10	15.4	14.7	14.3	14
L	22	23	23	23	34	34	34	34
b	30	35	40	45	55	65	80	85
B	38	44	50	55	67	77	92	98
h	32.5	36.5	40.5	45.5	52.5	63.5	74.5	80
Ø	3.5	4.5	4.5	4.5	5.5	5.5	5.5	6.5



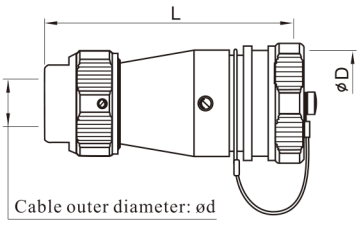
In-line receptacle with metal clamping-nut B: ZEB IP67



Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	55	63	66.5	70
Ød	5-6.5	9-10.5	9-10.5	10.5-12.5

Optional cap size see P101

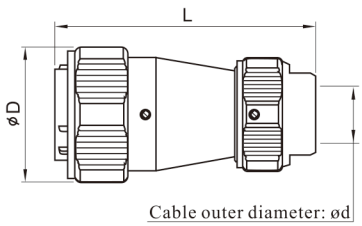
In-line receptacle with metal clamping-nut: ZE IP67



Dimension(mm)	WY32	WY40	WY48	WY55
D	35	44	52	59
L	90.5	103.5	108	131.6
Ød	15.5-17	18-20	I:18-20 II:24.5-26	24.5-26

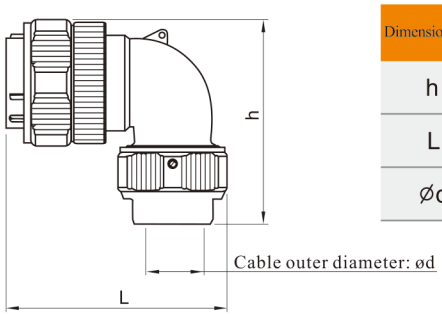
Optional cap size see P101

Plug with metal clamping-nut: TE IP67



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	25	29.5	34	38.5	44.5	54	62	68.5
L	54.5	62.5	65	68	88	100	110	131.5
Ød	5-6.5	9-10.5	9-10.5	10.5-12.5	15.5-17	18-20	I:18-20 II:24.5-26	24.5-26

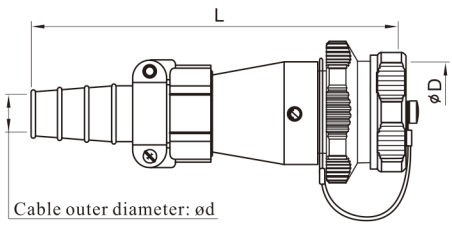
Plug with angled back shell and metal clamping-nut: TU IP66



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
h	43	53	54	58	72	88	103	110.5
L	48	57	59	61	84	90	97	109
Ød	5-6.5	9-10.5	9-10.5	10.5-12.5	15.5-17	18-20	24.5-26	24.5-26



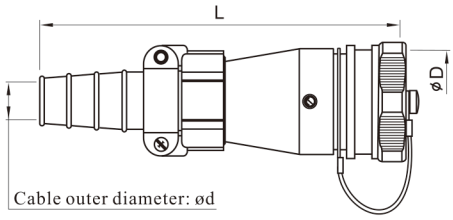
In-line receptacle with cable clamping plates B: ZIB IP65



Dimension(mm)	WY16	WY20	WY24	WY28
D	18	21.5	25.5	29.5
L	73	88	92	101
Ød	7-8	8-10. 5	8-10. 5	11.5-13.6

Optional cap size see P101

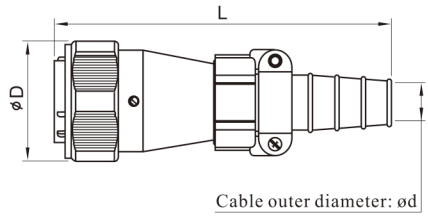
In-line receptacle with cable clamping plates: ZI IP65



Dimension(mm)	WY32	WY40	WY48	WY55
D	34.5	43.5	51.5	58
L	119	130	137	165
Ød	13-15.6	15.5-18.8	I:15.5-18.8 II:24-28	24-28

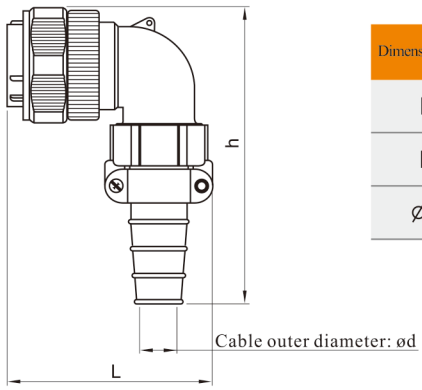
Optional cap size see P101

Plug with cable clamping plates: TI IP65



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	25	29.5	34	38.5	44.5	54	62	68.5
L	72.5	87	92	100.5	48.5	130.5	140	163
Ød	7-8	8-10. 5	8-10. 5	11.5-13.6	13-15.6	15.5-18.8	I:15.5-18.8 II:24-28	24-28

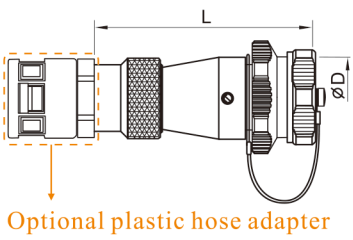
Plug with angled back shell and cable clamping plates: TV IP65



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
h	60	80	80	93	103	118	137	140
L	49.5	56.5	58	61	82.5	90	98	108
Ød	7-8	8-10. 5	8-10. 5	11.5-13.6	13-15.6	15.5-18.8	24-28	24-28



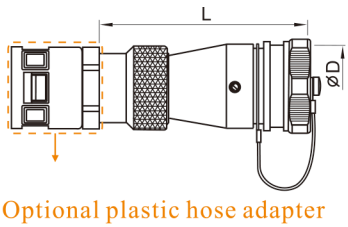
In-line receptacle for plastic-hose B: ZBB IP55



Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	54.5	64	67	73
Adapter size	PG7	PG11	PG11	PG16
Hose size	1/4″	3/8″	3/8″	1/2″

Optional cap size see P101

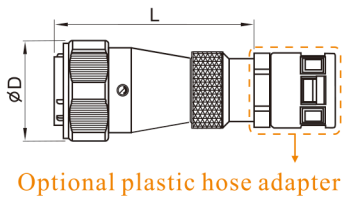
In-line receptacle for plastic-hose: ZB IP55



Dimension(mm)	WY32	WY40	WY48	WY55
D	35	44	52	59
L	86.5	95	104	120
Adapter size	PG21	PG29	I: PG29 II: PG36	PG36
Hose size	3/4″	1″	I: 1″ II: 1¼″	1¼″

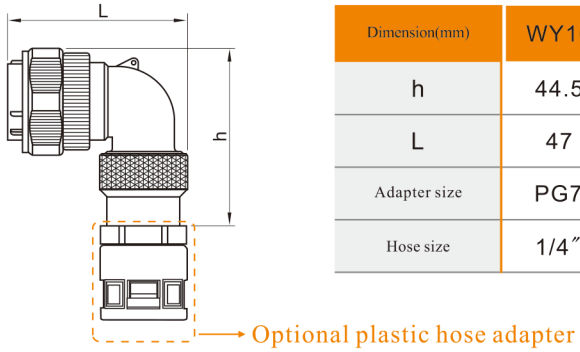
Optional cap size see P101

Plug for plastic-hose: TB IP55



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	25	29.5	34	38.5	44.5	54	91	96.5
L	54	62.5	66.5	72.5	87.5	95	105	118
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	I: PG29 II: PG36	PG36
Hose size	1/4″	3/8″	3/8″	1/2″	3/4″	1″	I: 1″ II: 1¼″	1¼″

Plug with angled back shell for plastic-hose: TW IP55

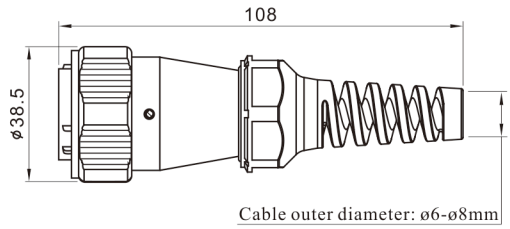


Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
h	44.5	53.5	55	61	70	83	91	96.5
L	47	56.5	57.5	61	82	88.5	95	106
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	PG36	PG36
Hose size	1/4″	3/8″	3/8″	1/2″	3/4″	1″	1¼″	1¼″

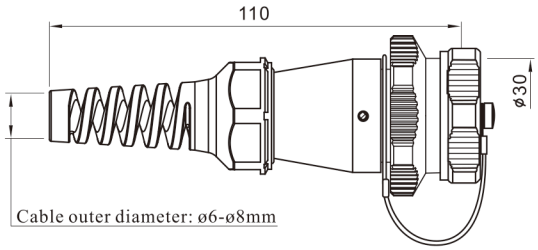




Plug with strain relief: TX IP67



In-line receptacle with strain relief: ZXB IP67



★ It can be produced 28 modle,other models are customizabl

Solder contact spec

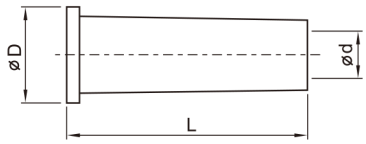
★ Crimp contact spec see P107-P110 ★ Screw contact spec see P111-P112

WY28	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60、5	25、5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	ø3.5X2	ø3.5X3	ø2.5X4	ø2.5X7	ø2.5X8	ø5X2 ø1X6	ø2.5X4 ø1X5	ø2.5X10	ø1.5X10	ø1.5X12	ø1.5X16	ø1.5X17	ø1X20	ø1X24	ø1X26	ø1X35
Rated voltage (AC.V)	500	500	500	500	500	500 400	500	500	500	500	500	500	400	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
Contact resistance(mΩ)	0.5	0.5	1	1	1	5、0.5	1、5	1	2.5	2.5	2.5	2.5	5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size (mm²/AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/

PVC cable protection sleeve for WS series



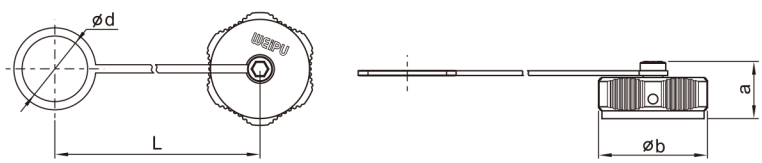




Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
D	12.5	16	16.5	19	25	30	30	36
L	30	38	38	38	51	53	53	59
d	6	6	6	7	13	17.8	17.8	23

Metal receptacle cover for WY series IP67

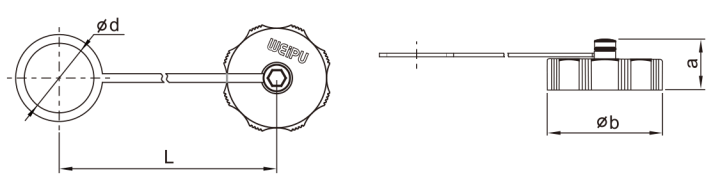




Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
a	13.5	14.5	14.5	14.5	17	17	17	17
b	20	29.5	34	38.5	44	54	62	68.5
d	16	20	24	28	32	40	48	55
L	55	60	65	70	90	100	110	120

Plastic receptacle cover for WS and WF series

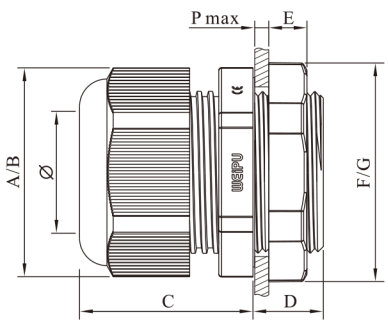


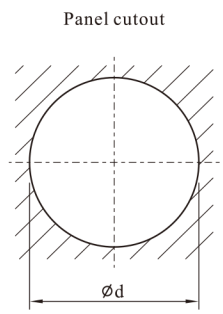


Dimension(mm)	WS/WF16	WS/WF20	WS/WF24	WS/WF28	WS/WF32	WS/WF40	WS/WF48	WS/WF55
a	14	14.5	14.5	14.5	20	20	20	20
b	21	26	29.5	34	39	48	55.5	62.5
d	16	20	24	28	32	40	48	55
L	55	60	65	70	90	100	110	120



Cable gland



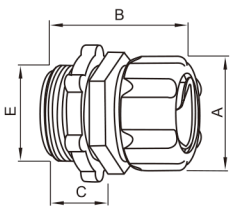


Material	Nylon
Fire resistance	V-0
Seal	NBR
IP rating	IP68
Temperature	-40℃ +85℃
Color	grey(standard) black(special order)

AG PG	A Diagonal	B Parallel	C Max	D Length	E Thickness	F Diagonal	G Parall	P Max	Ø Cable outer diameter	Ød Panel cutout	Part number Grey	Part number Black
7	16.5	15.5	19.2	8	5	21	19	3.0	3-6.5	13	PA807G	PA807B
9	21	19.5	21.6	8	5	24	22	3.0	4-8	15.7	PA809G	PA809B
11	24.7	22.7	24.7	8	5	27	24.6	2.5	5-10	19	PA811G	PA811B
13. 5	26.5	24	26.6	9	6	30	26.9	3.0	6-12	20.5	PA813G	PA813B
16	30	27.3	28.8	9.8	6.5	33	30.2	3.0	10-14	22.5	PA816G	PA816B
21	36.5	32	28.8	12.1	6.7	38.4	35.8	5.0	13-18	28	PA821G	PA821B
29	47.3	33	31.3	11	7.3	50.5	46.2	3.0	18-25	37.2	PA829G	PA829B
36	59.2	53.2	50	12.8	7.7	65	59	5.0	22-32	47.8	PA836G	PA836B

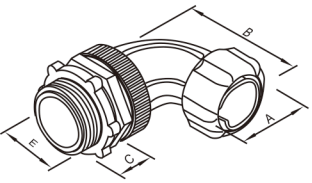


Metal hose adapter



Part No. / Dimension(mm)	WAB-16	WAB-20	WAB-24	WAB-30	WAB-36
A	19.6	24.8	29.1	35.7	41.8
B	26.7	33.3	37	37.9	41.5
C	9	14	15	16	17
E	16	20	24	30	36
hose size	1/4″	3/8″	1/2″	3/4″	1″
Thread	M16X1.5	M20X1.5	M24X1.5	M30X2	M36X2

Angled metal hose adapter

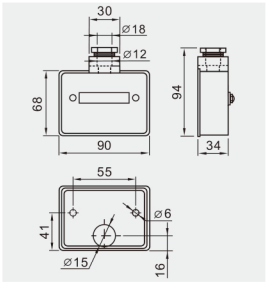


Part No. / Dimension(mm)	WAL-20	WAL-24	WAL-30	WAL-36
A	24.8	29.1	35.7	41.8
B	48.5	53	59	70
C	14	15	16	17
E	20	24	30	36
hose size	3/8″	1/2″	3/4″	1″
Thread	M20X1.5	M24X1.5	M30X2	M36X2



Junction-box



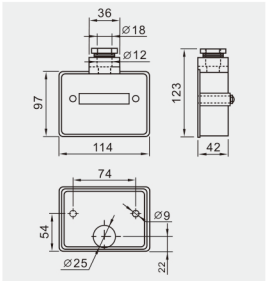


Rated A	Part No.TYP	TerminalP	Weight(g/pcs)
15A	6005	3P+⏚	120

junction-box

Bottom hole
Upper hole (with cable tightening fittings)
Electric Inlet
Min conducting wire section mm² 1.5
Max conducting wire section mm² 4



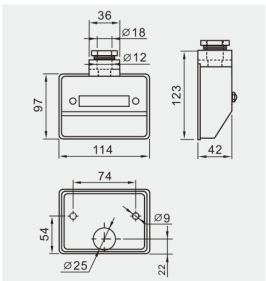


Rated A	Part No.TYP	Terminal P	Weight(g/pcs)
30A	6003	3P+N+⏚	230

junction-box

Bottom hole
Upper hole (with cable tightening fittings)
Electric Inlet
Min conducting wire section mm² 2.5
Max conducting wire section mm² 10



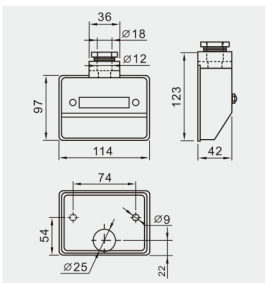


Rated A	Part No.TYP	Terminal P	Weight(g/pcs)
30A	6004	3P+N+⏚	200

junction-box

Bottom hole
Upper hole (with cable tightening fittings)
Electric Inlet
Min conducting wire section mm² 2.5
Max conducting wire section mm² 10





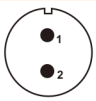
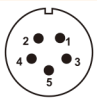
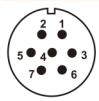
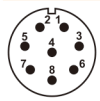
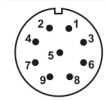
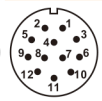
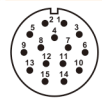
Rated A	Part No.TYP	Terminal P	Weight(g/pcs)
63A	6006	3P+N+⏚	248

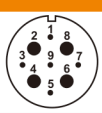
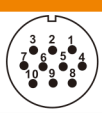
junction-box

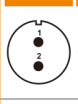
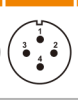
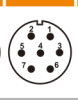
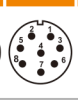
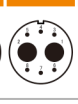
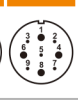
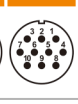
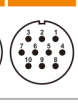
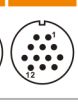
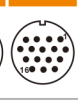
Bottom hole
Upper hole (with cable tightening fittings)
Electric Inlet
Min conducting wire section mm² 10
Max conducting wire section mm² 25

Solder contact spec

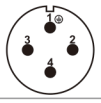
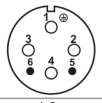
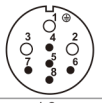
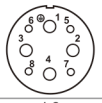
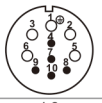
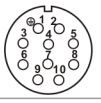
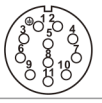
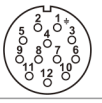
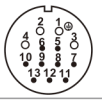
WS16、WF16、WY16	2	3	4	2B	3B	4B	5	7	9	10
Male contact face view										
Rated current (A)	10	10	5	15	15	15	5	5	5	5
Contact diameter(mm)	ø1.5X2	ø1.5X3	ø1X4	ø2X2	ø2X3	ø2X4	ø1X5	ø1X7	ø1X9	ø1X10
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance(mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

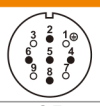
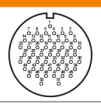
WS20、WF20、WY20	2	3	4	5	6	6B	7	8	9	12	15
Male contact face view											
Rated current (A)	25	25	25	10	5 25	5 30	10	10	5	5	5
Contact diameter(mm)	ø2.5×2	ø2.5×3	ø2.5×4	ø1.5×5	ø1X2 ø2.5X4	ø1X4 ø3X2	ø1.5×7	ø1.5×8	ø1×9	ø1×12	ø1×15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance(mΩ)	1	1	1	2.5	5 1	5 1	2.5	2.5	5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤4/11	≤4/11	≤4/11	≤2/14	≤0.75/18 ≤4/11	≤0.75/18 ≤4/11	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18

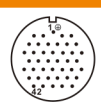
WS24、WF24、WY24	2	3	4	9	10	12	12B	19
Male contact face view								
Rated current (A)	25	25	25	5 25	10	10	5 30	5
Contact diameter(mm)	ø2.5X2	ø2.5X3	ø2.5X4	ø1X5 ø2.5X4	ø1.5X10	ø1.5X12	ø1X9 ø3X3	ø1X19
Rated voltage (AC.V)	500	500	500	500	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200
Contact resistance(mΩ)	1	1	1	5 1	2.5	2.5	5 1	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤4/11	≤4/11	≤4/11	≤0.75/18 ≤4/11	≤2/14	≤2/14	≤0.75/18 ≤4/11	≤0.75/18

WS28、WF28、WY28	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60、5	25、5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	ø3.5X2	ø3.5X3	ø2.5X4	ø2.5X7	ø2.5X8	ø5X2 ø1X6	ø2.5X4 ø1X5	ø2.5X10	ø1.5X10	ø1.5X12	ø1.5X16	ø1.5X17	ø1X20	ø1X24	ø1X26	ø1X35
Rated voltage (AC.V)	500	500	500	500	500	500 400	500	500	500	500	500	500	400	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
Contact resistance(mΩ)	0.5	0.5	1	1	1	5、0.5	1、5	1	2.5	2.5	2.5	2.5	5	5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤4/11	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

Solder contact spec

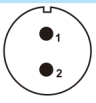
WS32、WF32、WY32	4	6	8	8B	10	10B	11	12	13	19
Male contact face view										
Rated current (A)	50	10 50	10 50	10 50	10 25	25	25	25	10 25	10
Contact diameter(mm)	∅3.5X4	∅1.5X2 ∅3.5X4	∅1.5X5 ∅3.5X3	∅1.5X4 ∅3.5X4	∅1.5X5 ∅2.5X5	∅2.5X10	∅2.5X11	∅2.5X12	∅1.5X9 ∅2.5X4	∅1.5X19
Rated voltage (AC.V)	500V	500V	500V	500V	500V	500V	500V	500V	500V	500V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V
Contact resistance(mΩ)	0.5	2.5 0.5	2.5 0.5	2.5 0.5	2.5 1	1	1	1	2.5 1	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤10/7	≤2/14 ≤10/7	≤2/14 ≤10/7	≤2/14 ≤10/7	≤2/14 ≤4/11	≤4/11	≤4/11	≤4/11	≤2/14 ≤4/11	≤2/14

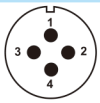
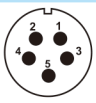
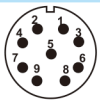
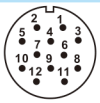
WS40、WF40、WY40	5	9	15	26	31	52
Male contact face view						
Rated current (A)	50	25 50	10	10 25	10	5
Contact diameter(mm)	∅3.5X5	∅2.5X5 ∅3.5X4	∅1.5X15	∅1.5X22 ∅2.5X4	∅1.5X31	∅1X52
Rated voltage (AC.V)	500	500	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1200
Contact resistance(mΩ)	0.5	1 0.5	2.5	2.5、1	2.5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤10/7	≤4/11 ≤10/7	≤2/14	≤2/14 ≤4/11	≤2/14	≤0.75/18

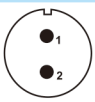
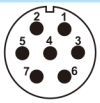
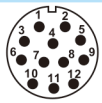
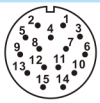
WS48、WF48、WY48	5	7	20	27	38	42
Male contact face view						
Rated current (A)	100	50	25	10 25	10 25	10
Contact diameter(mm)	∅5.5X5	∅3.5X7	∅2.5X20	∅1.5X26 ∅2.5X1	∅1.5X33 ∅2.5X5	∅1.5X42
Rated voltage (AC.V)	500	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.3	0.5	1	2.5、1	2.5、1	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤25/3	≤10/7	≤4/11	≤2/14 ≤4/11	≤2/14 ≤4/11	≤2/14

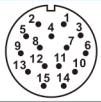
WS55、WF55、WY55	4	7	40	53	61
Male contact face view					
Rated current (A)	50 150	50 100	10 25	10 25	10
Contact diameter(mm)	∅3.5X1 ∅10X3	∅3.5X1 ∅5.5X6	∅1.5X25 ∅2.5X15	∅1.5X48 ∅2.5X5	∅1.5X61
Rated voltage (AC.V)	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.5 0.2	0.5 0.3	2.5 1	2.5 1	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤10/7 ≤70/(2/0)	≤10/7 ≤25/3	≤2/14 ≤4/11	≤2/14 ≤4/11	≤2/14

SF16, SA16, SP17, SY17 WS16, WF16, WY16	2	3	4
Male contact face view			
Rated current (A)	10	10	5
Contact diameter(mm)	∅1.5X2	∅1.5X3	∅1X4
Rated voltage (AC.V)	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1200
Contact resistance(mΩ)	2.5	2.5	5
Insulation resistance (MΩ)	2000	2000	2000

SF20, SA20, SP21, SY21 WS20,WF20, WY20, WP20	2	3	4	5	7	7B	8
Male contact face view							
Rated current (A)	25	25	25	10	10	5	5
Contact diameter(mm)	∅2.5X2	∅2.5X3	∅2.5X4	∅1.5X5	∅1.5X7	∅1X7	∅1X8
Rated voltage (AC.V)	500	500	500	500	500	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1200	1200
Contact resistance(mΩ)	1	1	1	2.5	2.5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000

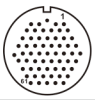
WS24、WF24、WY24	4	5	9	12
Male contact face view				
Rated current (A)	25	25	10	5
Contact diameter(mm)	∅2.5X4	∅2.5X5	∅1.5X9	∅1X12
Rated voltage (AC.V)	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1200
Contact resistance(mΩ)	1	1	2.5	5
Insulation resistance (MΩ)	2000	2000	2000	2000

SA28, SP29, SY29 WS28, WF28, WY28	2	7	12	15	19
Male contact face view					
Rated current (A)	50	25	10	5	5
Contact diameter(mm)	∅3.5X2	∅2.5X7	∅1.5X12	∅1X15	∅1X19
Rated voltage (AC.V)	500	500	500	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1200	1200
Contact resistance(mΩ)	0.5	1	2.5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000

WS32、WF32、WY32	4	6	10	15	19
Male contact face view					
Rated current (A)	50	50 10	25	10	10
Contact diameter(mm)	∅3.5X4	∅3.5X4 ∅1.5X 2	∅2.5X10	∅1.5X15	∅1.5X19
Rated voltage (AC.V)	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500
Contact resistance (mΩ)	0.5	0.5 2.5	1	2.5	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000

WS40、WF40、WY40	5	19	31
Male contact face view			
Rated current (A)	50	25	10
Contact diameter(mm)	∅3.5X5	∅2.5X19	∅1.5X31
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance (mΩ)	0.5	1	2.5
Insulation resistance (MΩ)	2000	2000	2000

WS48、WF48、WY48	31	42
Male contact face view		
Rated current (A)	25	10
Contact diameter(mm)	∅2.5X31	∅1.5X42
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance (mΩ)	1	2.5
Insulation resistance (MΩ)	2000	2000

WS55、WF55、WY55	38	61
Male contact face view		
Rated current (A)	25	10
Contact diameter(mm)	∅2.5X38	∅1.5X61
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance (mΩ)	1	2.5
Insulation resistance (MΩ)	2000	2000

5A Crimp contact

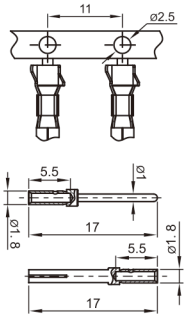
※Contact diameter: ø1

※Material: Brass with gold plating

※Contact resistance: 5mΩ



Coiling



5A Male crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm² AWG 24-20	5.5mm	YJ1-17-0.52AU	CTW-0.14/4	RT-1.0

5A Female crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16~28

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm² AWG 24-20	5.5mm	YK1-17-0.52AU	CTW-0.14/4	RT-1.0

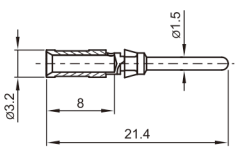
10A Crimp contact

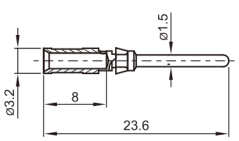
※Contact diameter: ø1.5

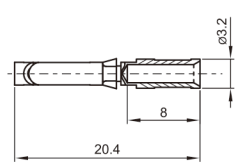
※Material: Brass with gold plating

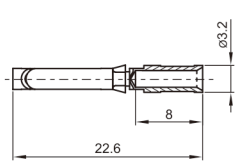
※Contact resistance:2.5mΩ











10A Male crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm² AWG 26-22	8mm	YJ1.5-21.4-0.37AU	CTW-0.14/4	RT-1.5
0.5mm² AWG 20	8mm	YJ1.5-21.4-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm² AWG 18	8mm	YJ1.5-21.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm² AWG 16	8mm	YJ1.5-21.4-1.5AU	CTW-0.14/4	RT-1.5
2.5mm² AWG 14	8mm	YJ1.5-21.4-2.5AU	CTW-0.14/4	RT-1.5

10A Male crimp contact

For WS/WF/WY32-55

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm² AWG 26-22	8mm	YJ1.5-23.6-0.37AU	CTW-0.14/4	RT-1.5
0.5mm² AWG 20	8mm	YJ1.5-23.6-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm² AWG 18	8mm	YJ1.5-23.6-1.0AU	CTW-0.14/4	RT-1.5
1.5mm² AWG 16	8mm	YJ1.5-23.6-1.5AU	CTW-0.14/4	RT-1.5
2.5mm² AWG 14	8mm	YJ1.5-23.6-2.5AU	CTW-0.14/4	RT-1.5

10A Female crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm² AWG 26-22	8mm	YK1.5-20.4-0.37AU	CTW-0.14/4	RT-1.5
0.5mm² AWG 20	8mm	YK1.5-20.4-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm² AWG 18	8mm	YK1.5-20.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm² AWG 16	8mm	YK1.5-20.4-1.5AU	CTW-0.14/4	RT-1.5
2.5mm² AWG 14	8mm	YK1.5-20.4-2.5AU	CTW-0.14/4	RT-1.5

10A Female crimp contact

For WS/WF/WY32-55

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm² AWG 26-22	8mm	YK1.5-22.6-0.37AU	CTW-0.14/4	RT-1.5
0.5mm² AWG 20	8mm	YK1.5-22.6-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm² AWG 18	8mm	YK1.5-22.6-1.0AU	CTW-0.14/4	RT-1.5
1.5mm² AWG 16	8mm	YK1.5-22.6-1.5AU	CTW-0.14/4	RT-1.5
2.5mm² AWG 14	8mm	YK1.5-22.6-2.5AU	CTW-0.14/4	RT-1.5

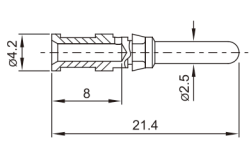
25A Crimp contact

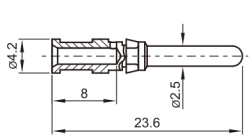
※Contact diameter: ø2.5

※Material: Brass with gold plating

※Contact resistance:1mΩ







25A Male crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm² AWG 18	8mm	YJ2.5-21.4-1.0AU	CTW-0.14/4	RT-2.5
1.5mm² AWG 16	8mm	YJ2.5-21.4-1.5AU	CTW-0.14/4	RT-2.5
2.5mm² AWG 14	8mm	YJ2.5-21.4-2.5AU	CTW-0.14/4	RT-2.5
4.0mm² AWG 12	8mm	YJ2.5-21.4-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

25A Male crimp contact

For WS/WF/WY32-55

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm² AWG 18	8mm	YJ2.5-23.6-1.0AU	CTW-0.14/4	RT-2.5
1.5mm² AWG 16	8mm	YJ2.5-23.6-1.5AU	CTW-0.14/4	RT-2.5
2.5mm² AWG 14	8mm	YJ2.5-23.6-2.5AU	CTW-0.14/4	RT-2.5
4.0mm² AWG 12	8mm	YJ2.5-23.6-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

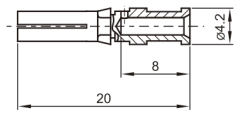
25A Crimp contact

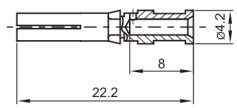
※ Contact diameter: ø2.5

※ Material: Brass with gold plating

※ Contact resistance:1mΩ







25A Female crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm^2	AWG 18	8mm	YK2.5-20-1.0AU	CTW-0.14/4	RT-2.5
1.5mm^2	AWG 16	8mm	YK2.5-20-1.5AU	CTW-0.14/4	RT-2.5
2.5mm^2	AWG 14	8mm	YK2.5-20-2.5AU	CTW-0.14/4	RT-2.5
4.0mm^2	AWG 12	8mm	YK2.5-20-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

25A Female crimp contact

For WS/WF/WY32-55

Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm^2	AWG 18	8mm	YK2.5-22.2-1.0AU	CTW-0.14/4	RT-2.5
1.5mm^2	AWG 16	8mm	YK2.5-22.2-1.5AU	CTW-0.14/4	RT-2.5
2.5mm^2	AWG 14	8mm	YK2.5-22.2-2.5AU	CTW-0.14/4	RT-2.5
4.0mm^2	AWG 12	8mm	YK2.5-22.2-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

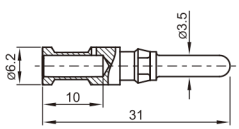
50A Crimp contact

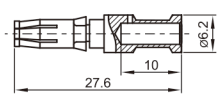
※ Contact diameter: ø3.5

※ Material:copper

※ Contact resistance:0.5mΩ







50A Male crimp contact

For WS/WF/WY32-55

Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
1.5mm	AWG 16	10mm	YJ3.5-31-1.5AU	CTW-0.14/4	RT-3.5
2.5mm^2	AWG 14	10mm	YJ3.5-31-2.5AU	CTW-0.14/4	RT-3.5
4.0mm^2	AWG 12	10mm	YJ3.5-31-4.0AU	CTW-0.14/4 CT-4/10	RT-3.5
6.0mm^2	AWG 10	10mm	YJ3.5-31-6.0AU	CT-4/10	RT-3.5
10.0mm^2	AWG 7	10mm	YJ3.5-31-10.0AU	CT-4/10	RT-3.5

50A Female crimp contact

For WS/WF/WY32-55

Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
1.5mm^2	AWG 16	10mm	YK3.5-27.6-1.5AU	CTW-0.14/4	RT-3.5
2.5mm^2	AWG 14	10mm	YK3.5-27.6-2.5AU	CTW-0.14/4	RT-3.5
4.0mm^2	AWG 12	10mm	YK3.5-27.6-4.0AU	CTW-0.14/4 CT-4/10	RT-3.5
6.0mm^2	AWG 10	10mm	YK3.5-27.6-6.0AU	CT-4/10	RT-3.5
10.0mm^2	AWG 7	10mm	YK3.5-27.6-10.0AU	CT-4/10	RT-3.5

Crimp tool and Removal tool

Crimp tool

For crimping the male / female contacts



Part number	Crimping wire range
CT-P20/28	0.08-0.52mm^2 AWG 28-20
CTW-0.14/4	0.14-4mm^2 AWG 25-11
CT-4/10	4-10mm^2 AWG 11-7

Removal tool

For taking out male / female contacts



RT-1.0 RT-1.5 RT-2.5 RT-3.5

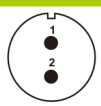
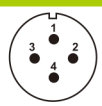
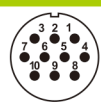
Part number	Removal range
RT-1.0	5A Male / Female crimp contact
RT-1.5	10A Male / Female crimp contact
RT-2.5	25A Male / Female crimp contact
RT-3.5	50A Male / Female crimp contact

Screw contact spec

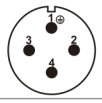
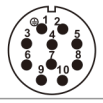
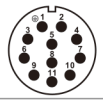
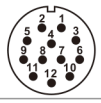
SF20, SA20, WS20,WF20, WY20	2	3	4
Male contact face view			
Rated current (A)	10	10	10
Contact diameter(mm)	⌀2.5X2	⌀2.5X3	⌀2.5X4
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance (mΩ)	1	1	1
Wire size (mm² / AWG)	⩽1.5/15	⩽1.5/15	⩽1.5/15
Insulation resistance (MΩ)	2000	2000	2000

SP21, SY21, WP20	2	3	4	5
Male contact face view				
Rated current (A)	10	10	10	10
Contact diameter(mm)	⌀3×2	⌀3×3	⌀3×4	⌀3×5
Rated voltage (AC.V)	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500
Contact resistance (mΩ)	1	1	1	1
Wire size (mm² / AWG)	⩽1.5/15	⩽1.5/15	⩽1.5/15	⩽1.5/15
Insulation resistance (MΩ)	2000	2000	2000	2000

WS24, WF24, WY24	2	3	4
Male contact face view			
Rated current (A)	10	10	10
Contact diameter(mm)	⌀2.5X2	⌀2.5X3	⌀2.5X4
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance (mΩ)	1	1	1
Wire size (mm² / AWG)	⩽1.5/15	⩽1.5/15	⩽1.5/15
Insulation resistance (MΩ)	2000	2000	2000

SA28, SP29, SY29 WS28, WF28, WY28	2	3	4	7	8	10
Male contact face view						
Rated current (A)	32	32	10	10	10	10
Contact diameter(mm)	⌀3.5X2	⌀3.5X3	⌀2.5X4	⌀2.5X7	⌀2.5X8	⌀2.5X10
Rated voltage (AC.V)	500	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500
Contact resistance (mΩ)	0.5	0.5	1	1	1	1
Wire size (mm² / AWG)	⩽6/10	⩽6/10	⩽1.5/15	⩽1.5/15	⩽1.5/15	⩽1.5/15
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000

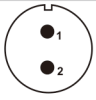
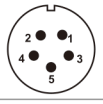
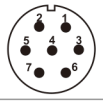
Screw contact spec

WS32、WF32、WY32	4	10B	11	12
Male contact face view				
Rated current (A)	32	10	10	10
Contact diameter(mm)	∅3.5X4	∅2.5X10	∅2.5X11	∅2.5X12
Rated voltage (AC.V)	500V	500V	500V	500V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V
Contact resistance (mΩ)	0.5	1	1	1
Wire size (mm² / AWG)	2000	2000	2000	2000
Insulation resistance (MΩ)	⩽6/10	⩽1.5/15	⩽1.5/15	⩽1.5/15

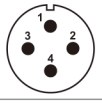
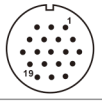
WS40、WF40、WY40	5	9
Male contact face view		
Rated current (A)	32	10 32
Contact diameter(mm)	∅3.5X5	∅2.5X5 ∅3.5X4
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance (mΩ)	0.5	1 0.5
Wire size (mm² / AWG)	2000	2000
Insulation resistance (MΩ)	⩽6/10	⩽1.5/15 ⩽6/10

WS48、WF48、WY48	7	20
Male contact face view		
Rated current (A)	32	10
Contact diameter(mm)	∅3.5X7	∅2.5X20
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance (mΩ)	0.5	1
Wire size (mm² / AWG)	2000	2000
Insulation resistance (MΩ)	⩽6/10	⩽1.5/15

SF16, SA16, SP17, SY17 WS16, WF16, WY16	2	3
Male contact face view		
Rated current (A)	10	10
Contact diameter(mm)	∅1.5X2	∅1.5X3
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	2.5	2.5
Insulation resistance (MΩ)	2000	2000

SF20, SA20, WS20, WF20, WY20	2	3	4	5	7
Male contact face view					
Rated current (A)	25	25	25	10	10
Contact diameter(mm)	∅2.5X2	∅2.5X3	∅2.5X4	∅1.5X5	∅1.5X7
Rated voltage (AC.V)	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500
Contact resistance(mΩ)	1	1	1	2.5	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000

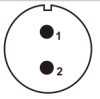
SA28, WS28, WF28, WY28	7
Male contact face view	
Rated current (A)	25
Contact diameter(mm)	∅2.5X7
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	1
Insulation resistance (MΩ)	2000

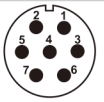
WS32、WF32、WY32	4	19
Male contact face view		
Rated current (A)	50	10
Contact diameter(mm)	∅3.5X4	∅1.5X19
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	0.5	2.5
Insulation resistance (MΩ)	2000	2000

WS40、WF40、WY40	31
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	∅1.5X31
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance (mΩ)	2.5
Insulation resistance (MΩ)	2000

WS48、WF48、WY48	42
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	∅1.5X42
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance (mΩ)	2.5
Insulation resistance (MΩ)	2000

WS55、WF55、WY55	61
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	∅1.5X61
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance (mΩ)	2.5
Insulation resistance (MΩ)	2000

SF20, SA20, WS20, WF20, WY20	2	3
Male contact face view		
Rated current (A)	25	25
Contact diameter(mm)	∅2.5X2	∅2.5X3
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	1	1
Insulation resistance (MΩ)	2000	2000

SA28, WS28, WF28, WY28	7
Male contact face view	
Rated current (A)	25
Contact diameter(mm)	∅2.5X7
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	1
Insulation resistance (MΩ)	2000

WS32、WF32、WY32	4
Male contact face view	
Rated current (A)	50
Contact diameter(mm)	∅3.5X4
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	0.5
Insulation resistance (MΩ)	2000

~ M E M O ~

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