WEiPU® Connector



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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 II: 8-13mm III: 12-17mm
IP rating	IP67
Coupling	Threaded coupling

M23 for power contact arrangement and spec

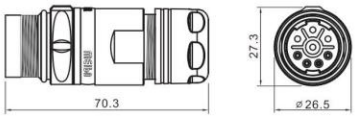
Number of contact	6(5+PE)	8(3+4+PE)
Male contact face view		
Rated current (A)	28	8 28
Contact diameter (mm)	⌀2	⌀1×4 ⌀2×4
Rated voltage (AC.V)	600	300
Test voltage(AC.V) 1 min	4000	2500

Male contact cable connector



M23DJ _TK_ _ _ ★Color
- For power
- J:male contact / K:female contact
- Number of contact
- TK:straight back shell / TL:angled back shell
- Cable outer diameter range — I: 4-8mm II: 8-13mm III: 12-17mm
- S:Shielded / U:Unshielded

GY: gray (standard)
BK: black
BU: blue
PL: Purple
OG: orange
GN: green

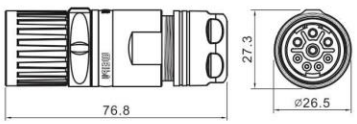


★ If more than one M23 connector are used on same device, 6 different colored rubber rings are used to avoid mismatching or mis mating



Female contact cable connector

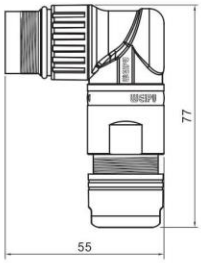
M23DK _TK_ _ _





Male contact
angled cable connector

M23DJ _TL_ _ _

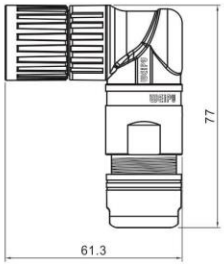






Female contact
angled cable connector

M23DK _TL_ _ _





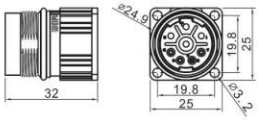


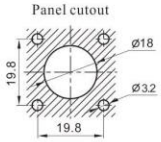
Male contact receptacle

M23DJ _Z

Number of contact
Z: straight receptacle
ZL: angled receptacle

Color
GY : gray (standard)
BK : black
BU : blue
P L : Purple
OG : orange
GN : green

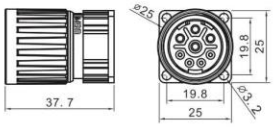


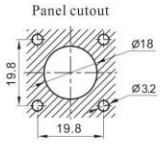




Female contact receptacle

M23DK _Z_

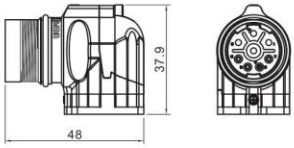


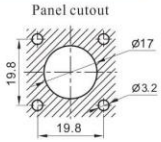




Male contact angled receptacle

M23DJ _ZL_

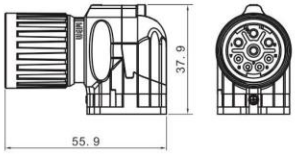


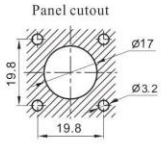




Female contact angled receptacle

M23DK _ZL_



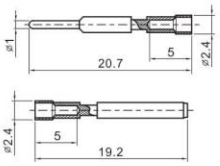


M23 for power crimp-contact spec

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
0.2-1.0mm ² AWG 23-17	4mm	YJ1-20.7-1.0AU	CT-W26/12

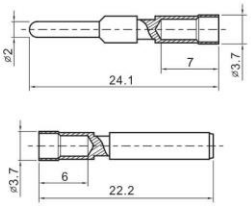
8A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.25-1.0mm² 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
0.75-2.5mm² AWG 18-13	7mm	YJ2-24.1-2.5AU	CT-W26/12
2.5-4mm² AWG 14-12	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
0.75-2.5mm² AWG 18-13	7mm	YK2-22.2-2.5AU	CT-W26/12
2.5-4mm² AWG 14-12	7mm	YK2-22.2-4.0AU	CT-W26/12

Crimp tool

For crimping the male / female contacts



Part number	Crimping wire range mm²/AWG
CT-W26/12	0.13-3.33mm²/26-12

IP67
M23 Series







M23 for signal

Material and spec

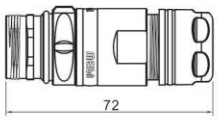
Shell material	Zinc alloy with nickel plating
Contact material	Brass with gold plating
Insert material	PA66
Insulation resistance	9、12 pins: $>10^{10}$mΩ 17、19 pins: $>10^{6}$mΩ
Termination	Crimp
Temperature range	-40℃~+125℃
Mating cycle	1000
Cable outer diameter range	I: 4-8mm II: 8-13mm III: 12-17mm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

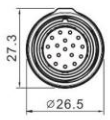
Male contact cable connector



M23SJ _TK_ _ _

- For signal
- J: male contact / K: female contact
- Number of contact
- TK: straight back shell / TL: angled back shell
- ★ Key-way positions and associated colors
  - N: gray (Standard)
  - S: black / H: orange / X: blue / Y: green / Z: Purple } special order
- Cable outer diameter range — I: 4-8mm II: 8-13mm III: 12-17mm
- S: Shielded / U: Unshielded



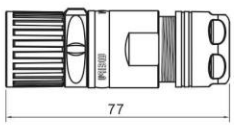


★ If more than one M23 connectors are used on same device, 6 different key-way positions are associated with 6 different colored rubber rings to avoid mismatching or mismating



Female contact cable connector

M23SK _TK_ _ _

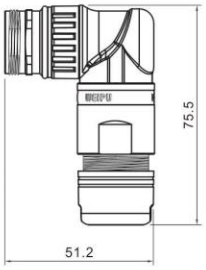






Male contact
angled cable connector

M23SJ _TL_ _ _

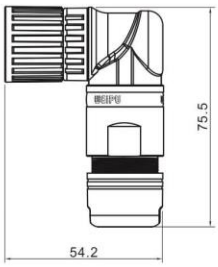






Female contact
angled cable connector

M23SK _TL_ _ _





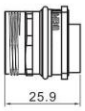


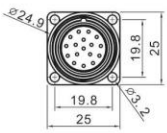
Male contact receptacle

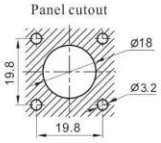
M23SJ _Z_

Number of contact
Z: straight receptacle
ZL: angled receptacle

Key-way and colors
N: gray (Standard)
S: black
H: orange
X: blue
Y: green
Z: Purple





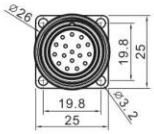


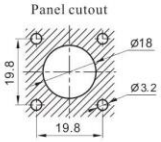


Female contact receptacle

M23SK_Z_



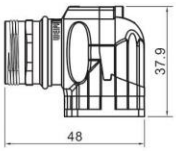




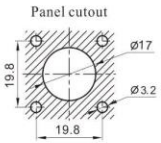


Male contact angled receptacle

M23SJ _ZL_



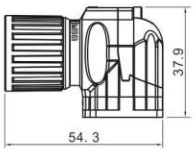




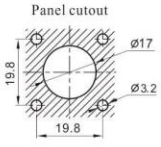


Female contact angled receptacle

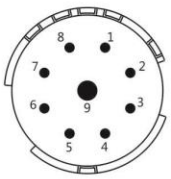
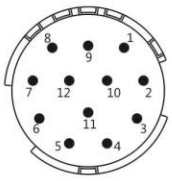
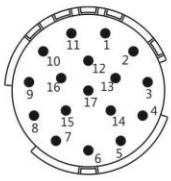
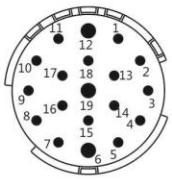
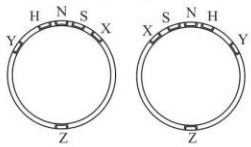
M23SK _ZL_

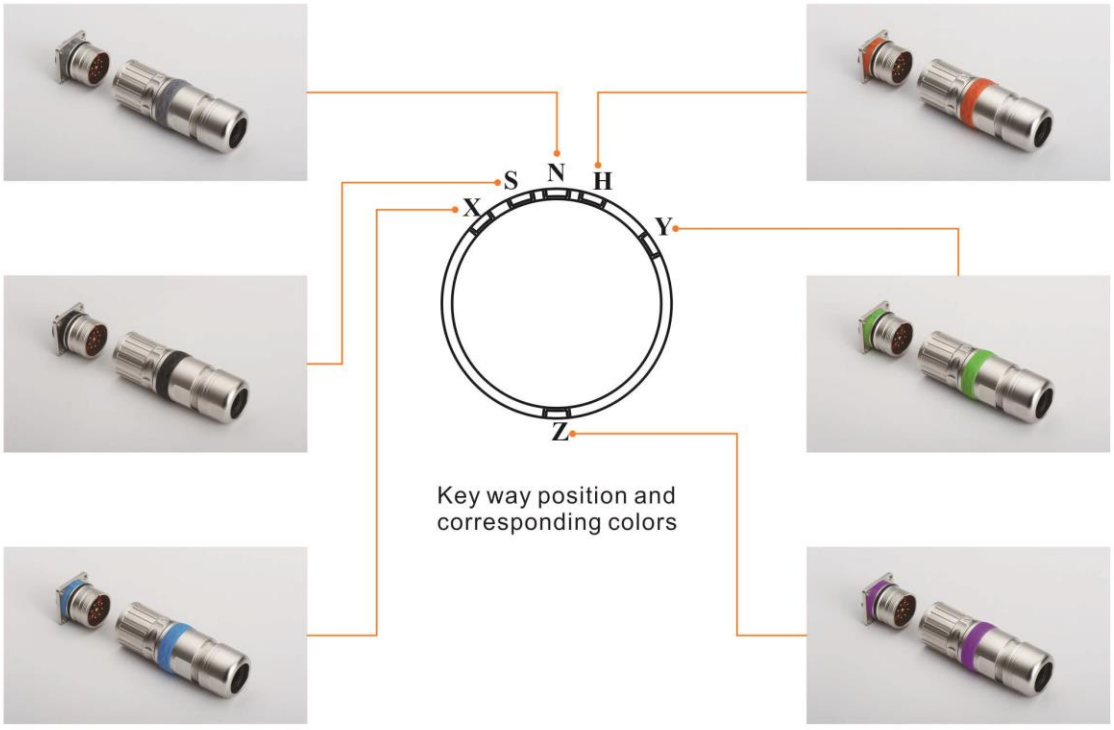






M23 for signal contact arrangement and spec

Number of contact	9(8+1)	12	17	19(16+3)
Male contact face view				
Rated current (A)	8 20	8	8	8 10
Contact diameter (mm)	⌀1×8 ⌀2×1	⌀1	⌀1	⌀1×16 ⌀1.5×3
Rated voltage (AC.V)	300	300	150	150
Test voltage(AC.V) 1 min	2500	2500	1500	1500
Key-ways  Female contact face view Male contact face view	N, S, H, X, Y	N, S, H, X, Y, Z	N, S, H, X, Y, Z	N, S, H, X, Y



Key way position and corresponding colors

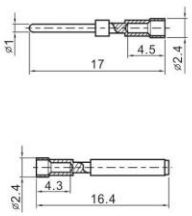
M23 for signal crimp-contact spec

8A Crimp contact

Contact diameter: Ø1

Material: Brass with gold plating





8A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.08-0.52mm² AWG 28-20	4mm	YJ1-17-0.56AU	CT-W32/20
0.14-1mm² AWG 26-17	4mm	YJ1-17-1.0AU	CT-W26/12
1-1.5mm² AWG 17-16	4mm	YJ1-17-1.5AU	CT-W26/12

8A Female crimp contact

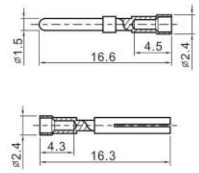
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.08-0.52mm² AWG 28-20	4mm	YK1-16.4-0.56AU	CT-W32/20
0.14-1mm² AWG 26-17	4mm	YK1-16.4-1.0AU	CT-W26/12
1-1.5mm² AWG 17-16	4mm	YK1-16.4-1.5AU	CT-W26/12

10A Crimp contact

Contact diameter: Ø1.5

Material: Brass with gold plating





10A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.14-1mm² AWG 26-17	4mm	YJ1.5-16.6-1.0AU	CT-W26/12

10A Female crimp contact

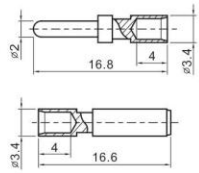
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.14-0.52mm² AWG 26-20	4mm	YK1.5-16.3-0.56AU	CT-W26/12
0.52-1mm² AWG 20-17	4mm	YK1.5-16.3-1.0AU	CT-W26/12

20A Crimp contact

Contact diameter: Ø2

Material: Brass with gold plating





20A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.75-2.5mm² AWG 18-13	4mm	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
0.75-2.5mm² AWG 18-13	4mm	YK2-16.6-2.5AU	CT-W26/12

Crimp tool

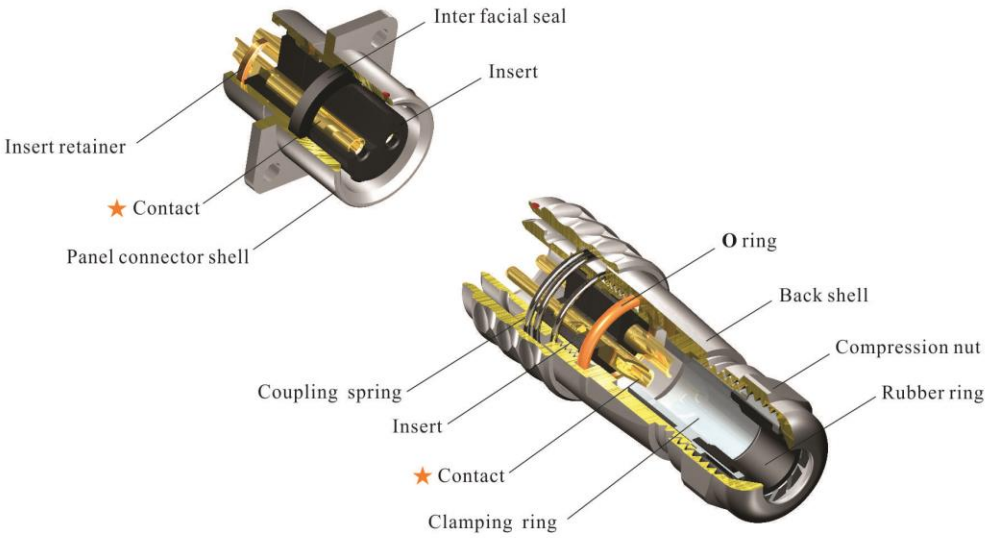
For crimping the male / female contacts



Part number	Crimping wire range mm²/AWG
CT-W26/12	0.13-3.33mm² / 26-12
CT-W32/20	0.03-0.52mm² / 32-20



- **SF Series Ip44 / IP67**
- **Push-pull**



★ **Each side can be male or female contact**

Material and spec

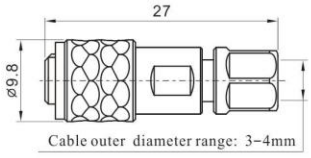
Coupling	Push-pull
Shell material	Brass with chrome plating
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: SF6, SF8, SF10, SF12, SF16, SF20 Crimp: SF16, SF20 Screw: SF20 (Ø2.5mm contact)
IP rating	SF6, SF8: IP44 / IP67 SF10, SF12, SF16, SF20: IP67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

SF6 Series IP44



Cable connector
Mate with SF611, SF612





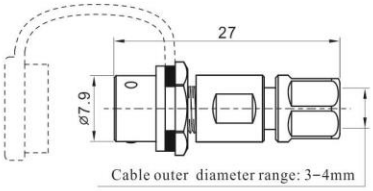
SF610/P__ **SF610/S__**

Number of contact
Male contact
Female contact



In-line cable connector
Mate with SF610



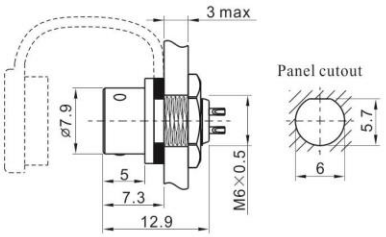


SF611/P__ **SF611/S__**



Rear-nut mount
Mate with SF610





SF612/P__ **SF612/S__**

Number of contact

Solder contact spec

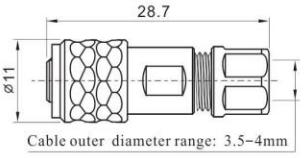
Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter (mm)	0.6	0.6	0.6	0.6
Rated voltage (AC.V)	30	30	30	30
Test voltage(AC.V) 1 min	500	500	500	500
Contact resistance (mΩ)	10	10	10	10
Wire size (mm^2/AWG)	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20

SF6 Series IP67



Cable connector
Mate with SF611B, SF612B





SF610B/P__ **SF610B/S__**

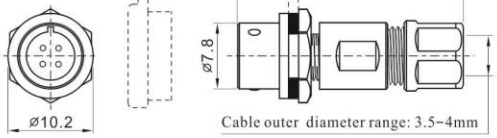
Male contact

Number of contact

Female contact



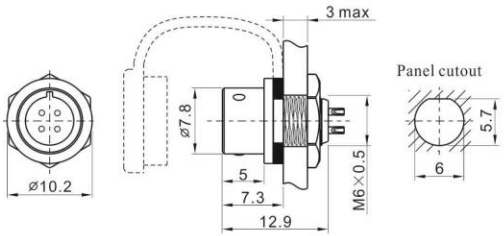
In-line cable connector
Mate with SF610B



SF611B/P__ **SF611B/S__**



Rear-nut mount
Mate with SF610B



SF612B/P__ **SF612B/S__**

Number of contact

Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter (mm)	0.6	0.6	0.6	0.6
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 (mm^2/AWG)	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20

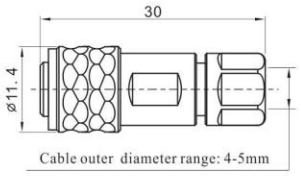
SF8 Series IP44



SF810/P__ **SF810/S__**

Cable connector
Mate with SF811, SF812



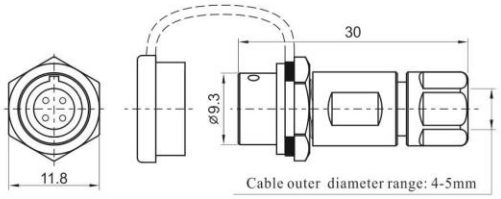


SF810/P__ — Male contact
SF810/S__ — Number of contact, Female contact



SF811/P__ **SF811/S__**

In-line cable connector
Mate with SF810

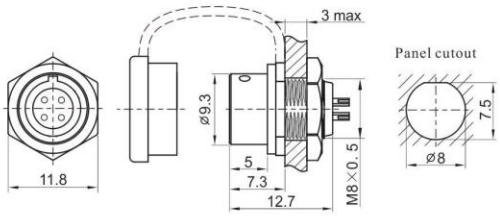




SF812/P__ **SF812/S__**

Rear-nut mount
Mate with SF810

SF812/S__ — Number of contact



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)	1	1	0.6	0.6	0.6
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

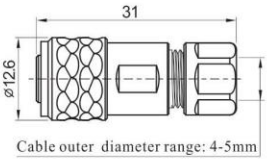
SF8 Series IP67



SF810B/P__ **SF810B/S__**

Cable connector
Mate with SF811B, SF812B



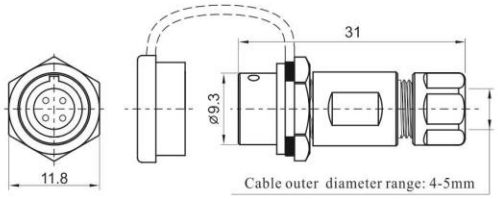


Male contact
Number of contact
Female contact



SF811B/P__ **SF811B/S__**

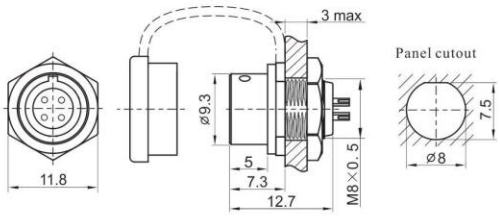
In-line cable connector
Mate with SF810B





SF812B/P__ **SF812B/S__**

Rear-nut mount
Mate with SF810B



Number of contact

Solder contact spec

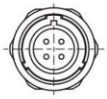
Number of contact	2	3	4	6	8
Male contact face view					
Rated current (A)	5	5	3	3	3
Contact diameter (mm)	1	1	0.6	0.6	0.6
Rated voltage (AC.V)	125	125	30	30	30
Test voltage(AC.V) 1 min	1000	1000	500	500	500
Contact resistance (mΩ)	5	5	10	10	10
Wire size (mm² / AWG)	⩽0.75/18	⩽0.75/18	⩽0.5/20	⩽0.5/20	⩽0.5/20

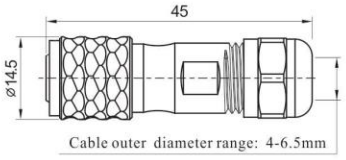
SF10 Series IP67



SF1010 / P__ **SF1010 / S__**

Cable connector
Mate with SF1011, SF1012



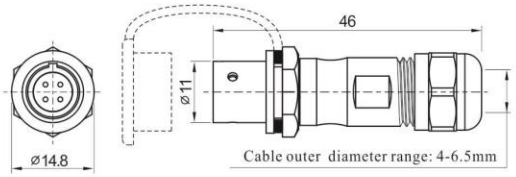


Male contact
Number of contact
Female contact



SF1011 / P__ **SF1011 / S__**

In-line cable connector
Mate with SF1010

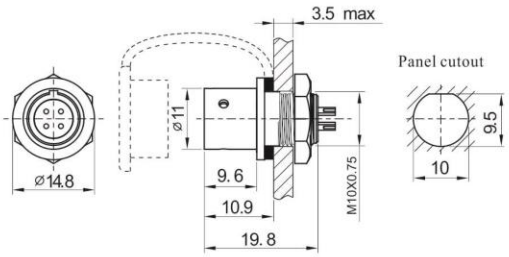




SF1012 / P__ **SF1012 / S__**

Rear-nut mount
Mate with SF1010

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)	1	1	0.7	0.7
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

SF12 Series IP67

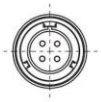
SF 12

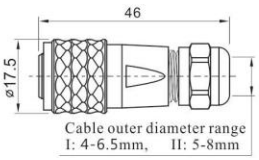


SF1210 / P_ _ SF1210 / S_ _

Cable connector
Mate with SF1211, SF1212, SF1213

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

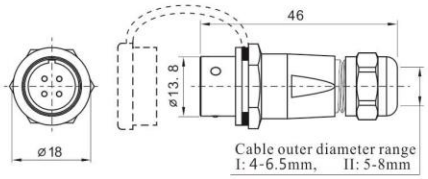






SF1211 / P_ _ SF1211 / S_ _

In-line cable connector
Mate with SF1210

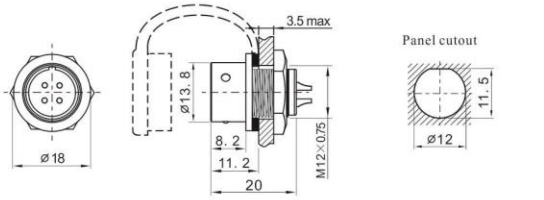




SF1212 / P_ SF1212 / S_

Rear-nut mount
Mate with SF1210

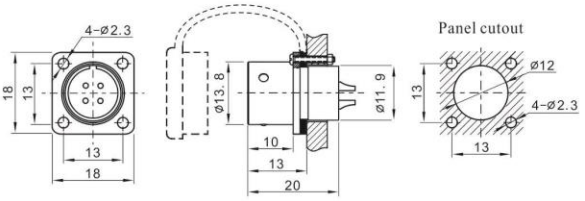
Number of contact





SF1213 / P_ SF1213 / S_

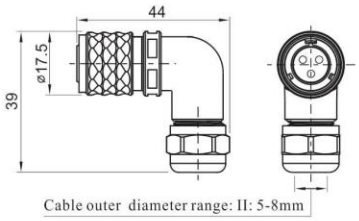
Square flange
Mate with SF1210





SF1214 / P_ II SF1214 / S_ II

Angled cable connector
Mate with SF1211, SF1212, SF1213



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)	1.6	1.6	1	1	1	1	0.7
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

SF16 Series IP67



SF1610 / P__-__ SF1610 / S__-__

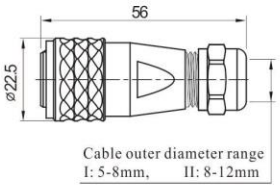
Number of contact

1: solder, 3: crimp

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

Cable connector
Mate with SF1611, SF1612, SF1613

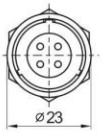


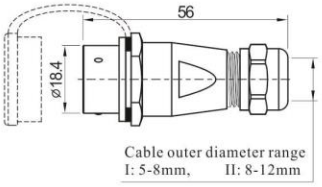




SF1611 / P__-__ SF1611 / S__-__

In-line cable connector
Mate with SF1610





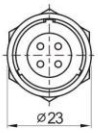


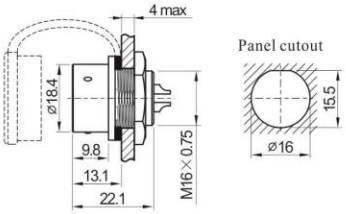
SF1612 / P_-_ SF1612 / S_-_

1: solder, 3: crimp

Number of contact

Rear-nut mount
Mate with SF1610

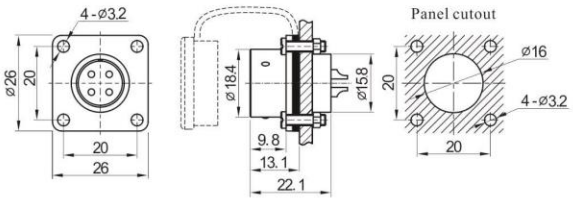






SF1613 / P_-_ SF1613 / S_-_

Square flange
Mate with SF1610



Solder contact spec

★ Crimp contact spec see page 89-92

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





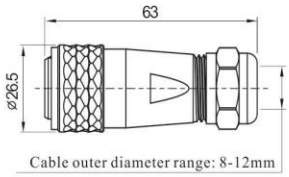
SF2010 / P_-_ **SF2010 / S_-_**

Number of contact — 1: solder, 2: screw, 3: crimp

Cable connector

Mate with SF2011, SF2012, SF2013







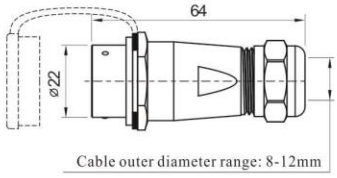


SF2011 / P_-_ **SF2011 / S_-_**

In-line cable connector

Mate with SF2010









SF2012 / P_-_ **SF2012 / S_-_**

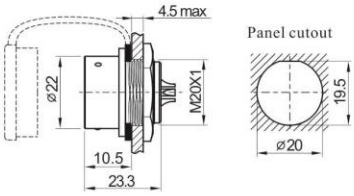
1: solder, 2: screw, 3: crimp

Number of contact

Rear-nut mount

Mate with SF2010





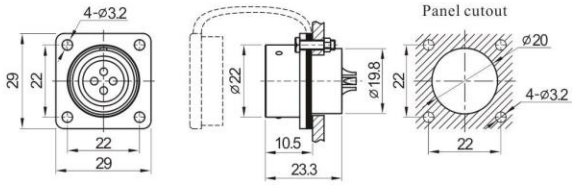




SF2013 / P_-_ **SF2013 / S_-_**

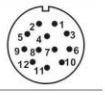
Square flange

Mate with SF2010



Solder contact spec

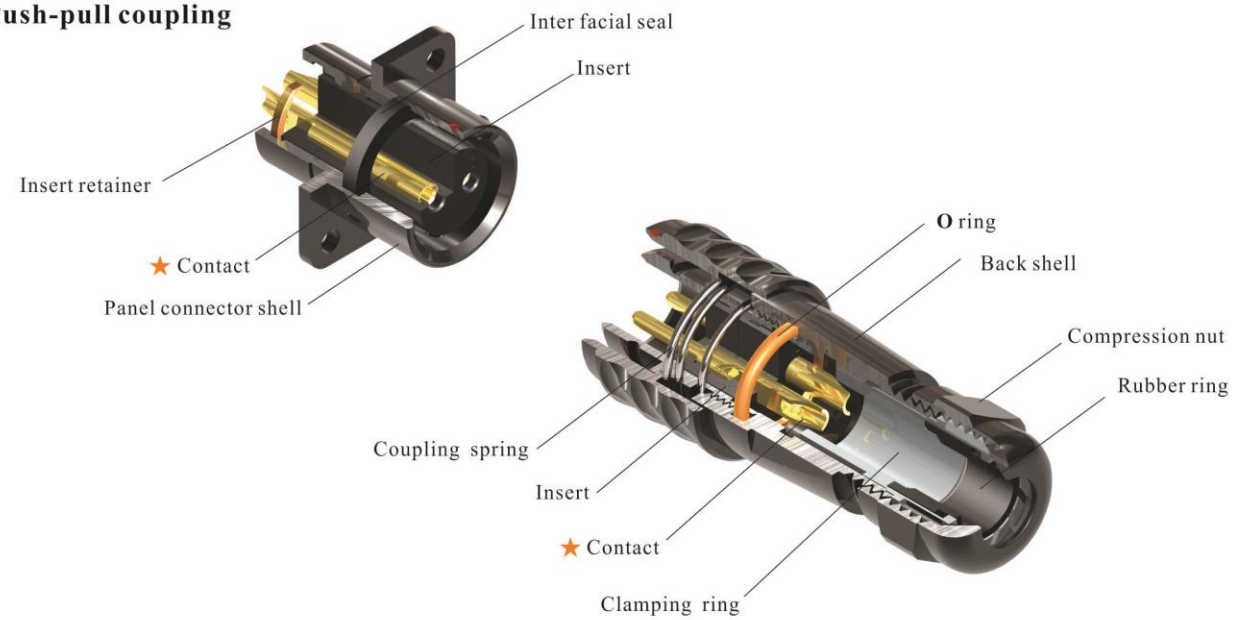
★ Crimp contact spec see page 89-92

Number of contact	2	3	4	5	6	7	9	12
Male contact face view								
Rated current (A)	25	25	25	10	25 5	10	5	5
Contact diameter (mm)	2.5	2.5	2.5	1.5	ø2.5X4 ø1X2	1.5	1	1
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	2.5	1 5	2.5	5	5
Termination	Solder Screw	Solder Screw	Solder Screw	Solder	Solder	Solder	Solder	Solder
Wire size for solder (mm²/ AWG)	≤4/11	≤4/11	≤4/11	≤2/14	≤4/11 ≤ 0.75/18	≤2/14	≤ 0.75/18	≤ 0.75/18
Wire size for screw termination (mm²/ AWG)	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/





- **SA Series IP67**
- **Push-pull coupling**



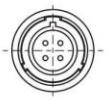
★ Each side can be male or female contact

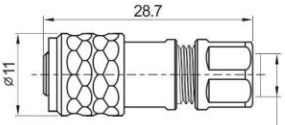
Material and spec

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 (Ø2.5, Ø3.5mm contact)
IP rating	IP67
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance (MΩ)	2000



Cable connector
Mate with SA611, SA612





Cable outer diameter range: 3.5-4mm

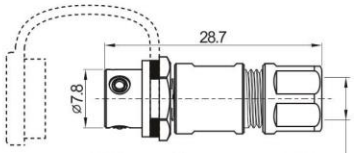
SA610 / P__ Male contact
SA610 / S__ Female contact

- Colour:
  - B: black
  - S: silver
  - L: blue
  - G: green } special order
  - R: red
- Number of contact



In-line cable connector
Mate with SA610





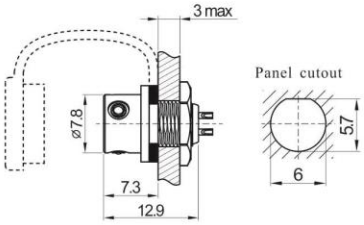
Cable outer diameter range: 3.5-4mm

SA611 / P__ **SA611 / S__**



Rear-nut mount
Mate with SA610





SA612 / P__ **SA612 / S__**

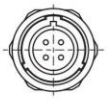
Solder contact spec

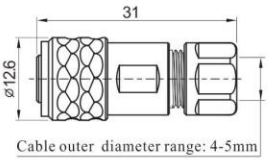
Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter(mm)	0.6	0.6	0.6	0.6
Rated voltage (AC.V)	30	30	30	30
Test voltage(AC.V) 1 min	500	500	500	500
Contact resistance(mΩ)	10	10	10	10
Wire size(mm²/AWG)	⩽0.5/20	⩽0.5/20	⩽0.5/20	⩽0.5/20





Cable connector
Mate with SA811, SA812





SA810 / P___ **SA810 / S___**

Male contact — Female contact

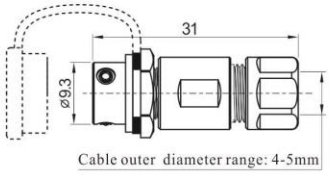
Colour:
B: black
S: silver
L: blue
G: green } special order
R: red
Number of contact





In-line cable connector
Mate with SA810





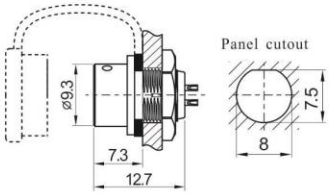
SA811 / P___ **SA811 / S___**





Rear-nut mount
Mate with SA810





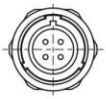
SA812 / P___ **SA812 / S___**

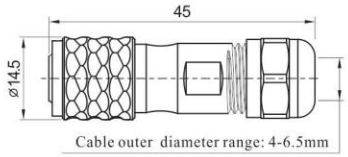
Solder contact spec

Number of contact	2	3	4	6	8
Male contact face view					
Rated current (A)	5	5	3	3	3
Contact diameter(mm)	1	1	0.6	0.6	0.6
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(mm^2/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20	≤0.5/20



Cable connector
Mate with SA1011, SA1012



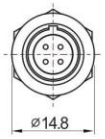


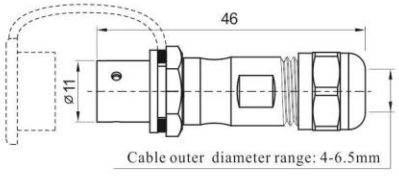
SA1010 / P__ Male contact — **SA1010 / S__** Female contact

- Colour:
  - B: black
  - S: silver
  - L: blue
  - G: green } special order
  - R: red
- Number of contact



In-line cable connector
Mate with SA1010



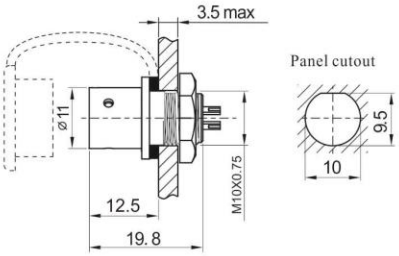


SA1011 / P__ **SA1011 / S__**



Rear-nut mount
Mate with SA1010





SA1012 / P__ **SA1012 / S__**

Number of contact

- Colour:
  - B: Black
  - S: Silver
  - L: Blue
  - G: Green } special order
  - R: Red

Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter (mm)	1	1	0.7	0.7
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

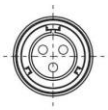


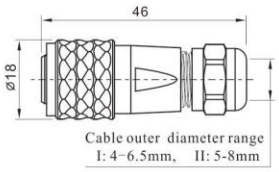
Cable connector
Mate with SA1211, SA1212, SA1213

SA1210/P___ SA1210/S___

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

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



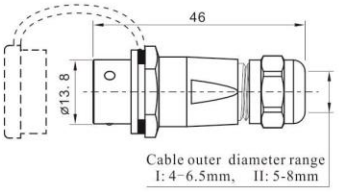




In-line cable connector
Mate with SA1210

SA1211/P___ SA1211/S___





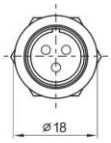


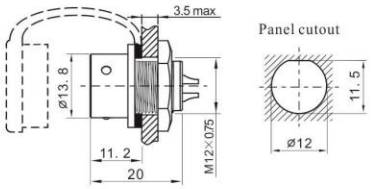
Rear-nut mount
Mate with SA1210

SA1212/P__ SA1212/S__

Number of contact

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

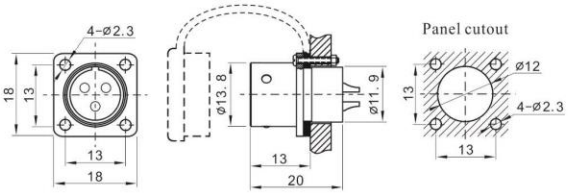






Square flange
Mate with SA1210

SA1213/P__ SA1213/S__



Solder contact spec

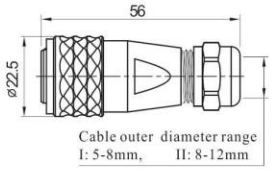
Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter (mm)	1.6	1.6	1	1	1	1	0.7
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
Wire size (mm² / AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20





Cable connector
Mate with SA1611, SA1612, SA1613





SA1610/P___-_ SA1610/S___-_

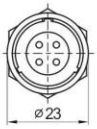
Number of contact
Cable outer diameter
I: 5−8mm, II: 8-12mm

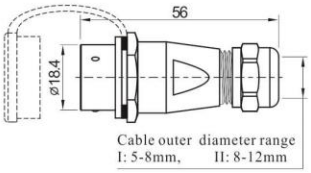
1: solder, 3: crimp
Colour:
B: Black
S: Silver
L: Blue
G: Green } special order
R: Red





In-line cable connector
Mate with SA1610



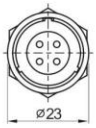


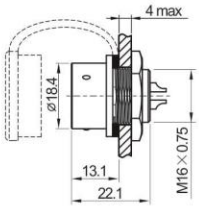
SA1611/P___-_ SA1611/S___-_

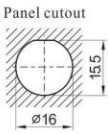




Rear-nut mount
Mate with SA1610







SA1612/P__-_ SA1612/S__-_

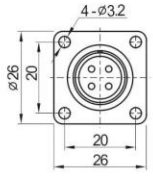
Number of contact

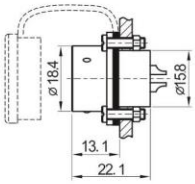
1: solder, 3: crimp
Colour:
B: Black
S: Silver
L: Blue
G: Green } special order
R: Red

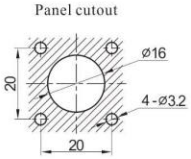




Square flange
Mate with SA1610







SA1613/P__-_ SA1613/S__-_

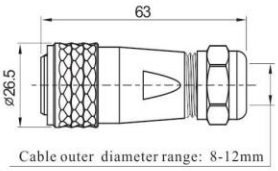
Solder contact spec

★ Crimp contact spec see page 89-92

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




Cable connector
Mate with SA2011, SA2012, SA2013

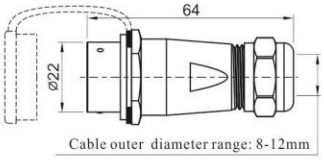
SA2010/P__-__ **SA2010/S__-__**

Number of contact — 1:solder, 2:screw, 3: crimp

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



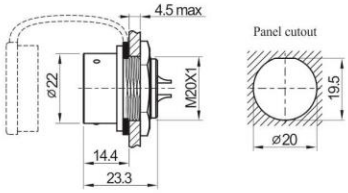

In-line cable connector
Mate with SF2010

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




Rear-nut mount
Mate with SA2010

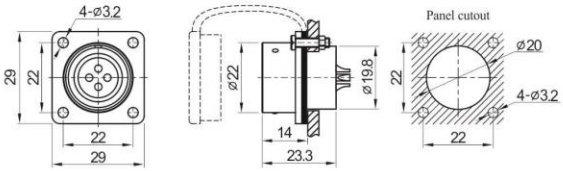
SA2012/P__-__ **SA2012/S__-__**

Number of contact — 1:solder, 2:screw, 3: crimp

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




Square flange
Mate with SA2010



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

Solder contact spec

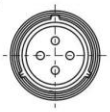
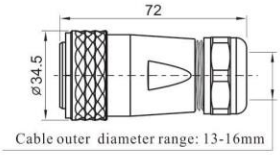
★ Crimp contact spec see page 89-92

Number of contact	2	3	4	5	6	7	9	12
Male contact face view								
Rated current (A)	25	25	25	10	25 5	10	5	5
Contact diameter (mm)	2.5	2.5	2.5	1.5	ø2. 5X4 ø1X2	1.5	1	1
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	2.5	1 5	2.5	5	5
Termination	Solder Screw	Solder Screw	Solder Screw	Solder	Solder	Solder	Solder	Solder
Wire size for solder (mm² / AWG)	≤4/11	≤4/11	≤4/11	≤2/14	≤4/11 ≤0.75/18	≤2/14	≤0.75/18	≤0.75/18
Wire size for screw termination (mm² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/

SA28 Series IP67




Cable connector
Mate with SA2811, SA2812, SA2813

SA2810/P__-__ **SA2810/S__-__**

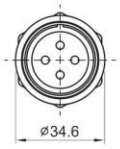
Number of contact

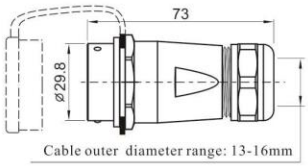
1: solder, 2: screw, 3: crimp

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




In-line cable connector
Mate with SA2810

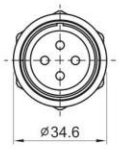


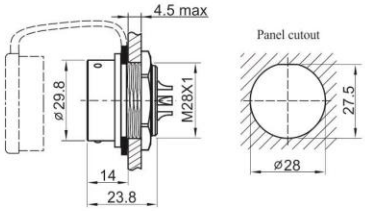


SA2811/P__-__ **SA2811/S__-__**




Rear-nut mount
Mate with SA2810





SA2812/P__-__ **SA2812/S__-__**

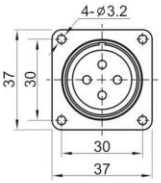
Number of contact

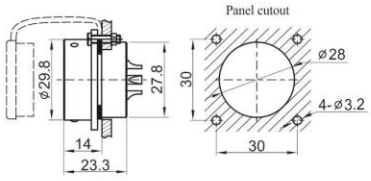
1: solder, 2: screw, 3: crimp

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




Square flange
Mate with SA2810





SA2813/P__-__ **SA2813/S__-__**

Solder contact spec

★ Crimp contact spec see page 89-92

Number of contact	2	3	4	7	8	9	10	10B	12	16	17	20	24	26
Male contact face view														
Rated current (A)	50	50	25	25	25	25 5	25	10	10	10	10	5	5	5
Contact diameter(mm)	3.5	3.5	2.5	2.5	2.5	ø2.5X4 ø1X5	2.5	1.5	1.5	1.5	1.5	1	1	1
Rated voltage (AC.V)	500	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	1200
Contact resistance (mΩ)	0.5	0.5	1	1	1	1 5	1	2.5	2.5	2.5	2.5	5	5	5
Termination	Solder Screw	Solder Screw	Solder Screw	Solder Screw	Solder Screw	Solder	Solder Screw	Solder	Solder	Solder	Solder	Solder	Solder	Solder
Wire size for solder (mm² / AWG)	≤10 / 7	≤10 / 7	≤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
Wire size for screw termination (mm² / AWG)	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	≤1.5/15	/	/	/	/	/	/	/



IP67 SA Series



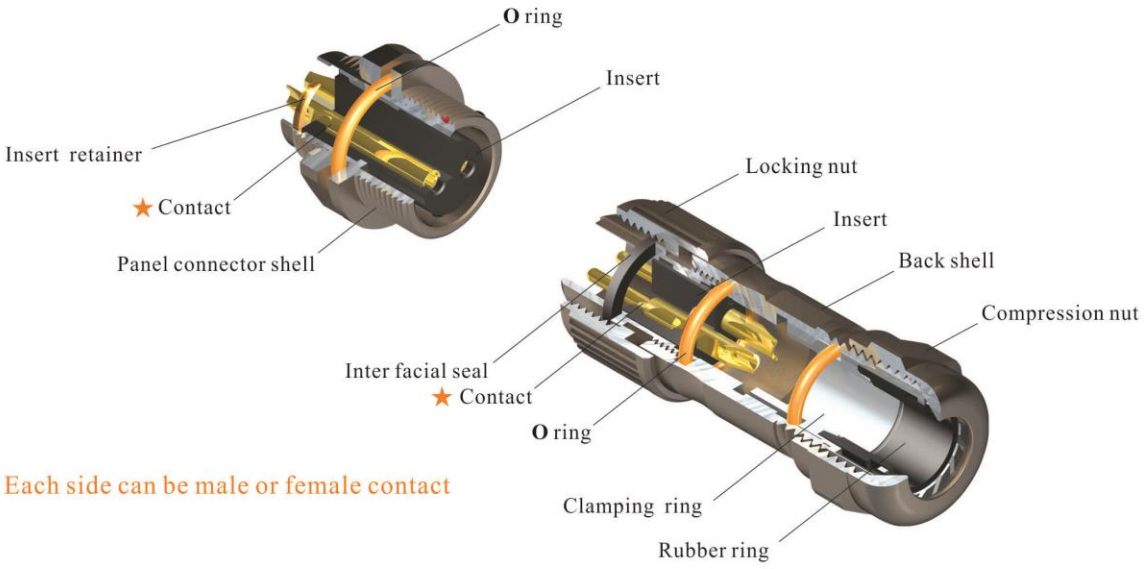
WEiPU®

IP67

ST 12



- **ST12 Series IP67**
- **Threaded coupling**



★ Each side can be male or female contact

Material and spec

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

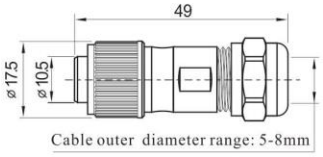


ST1210 / P_ ST1210 / S_

Male contact — Female contact — Number of contact

Cable connector
Mate with ST1211, ST1212, ST1213, ST1214

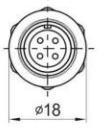


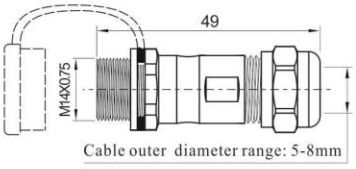




ST1211 / P_ ST1211 / S_

In-line cable connector
Mate with ST1210





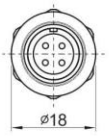


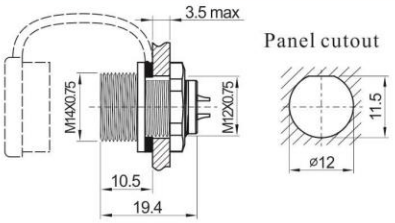


ST1212 / P_ ST1212 / S_

Number of contact

Rear-nut mount
Mate with ST1210





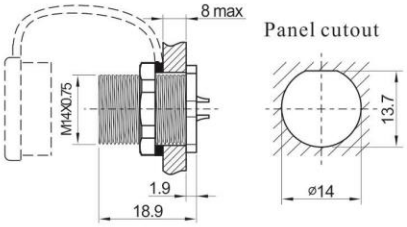




ST1213 / P_ ST1213 / S_

Front-nut mount
Mate with ST1210



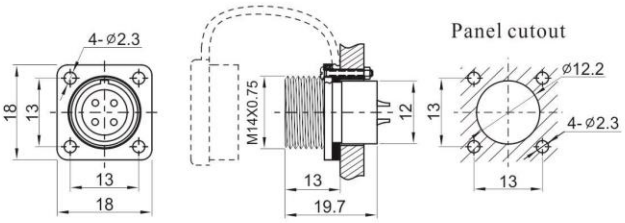






ST1214 / P_ ST1214 / S_

Square flange
Mate with ST1210

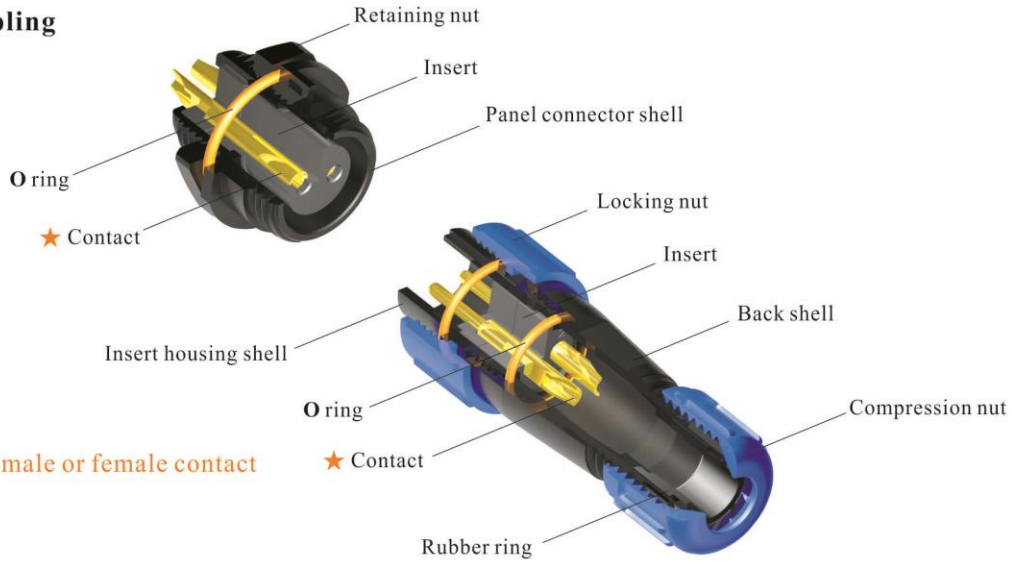


Solder contact spec

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)	1.6	1.6	1	1	1	1	0.7
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



- **SP Series IP68**
- **Threaded coupling**



★ Each side can be male or female contact

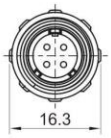
Material and spec

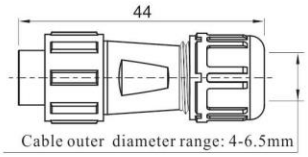
Coupling	Threaded
Shell material	PC: Panel connector shell, Insert housing shell Nylon66: Locking nut, Back shell, Compressing nut, Retaining nut Fire resistance: V-0
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: SP11, SP13, SP17, SP21, SP29 Crimp: SP17, SP21, SP29 Screw: SP21, SP29 (Ø2.5, Ø3, Ø3.5mm contact)
IP rating	IP68
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance (MΩ)	2000

SP11 Series IP68



Cable connector
Mate with SP1111, SP1112



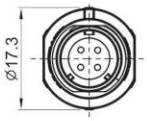


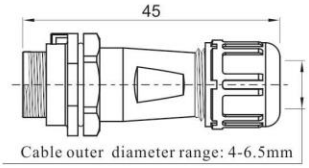
SP1110/P__N **SP1110/S__N**

- Male contact
- Female contact
- Number of contact



In-line cable connector
Mate with SP1110



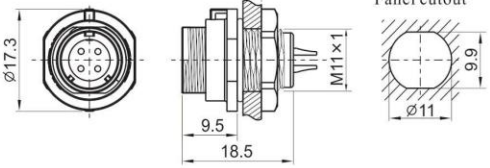


SP1111/P__ __ **SP1111/S__ __**

- 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

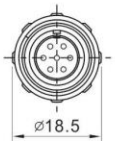
Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter(mm)	1	1	0.7	0.7
Rated voltage (AC.V)	180	180	125	125
Test voltage(AC.V) 1 min	1000	1000	1000	1000
Contact resistance (mΩ)	5	5	10	10
Wire size (mm^2/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

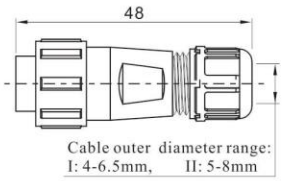
SP13 Series IP68

SP 13




Cable connector
Mate with SP1311,SP1312

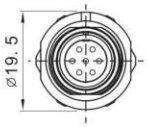


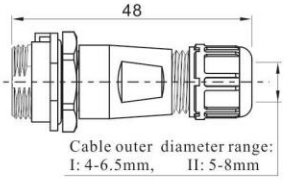


Sp1310 / P___ Male contact
SP1310 / S___ Female contact
- C: with cap
- N: without cap
- Cable outer diameter I: 4-6.5mm, II: 5-8mm
- Number of contact




In-line cable connector
Mate with SP1310

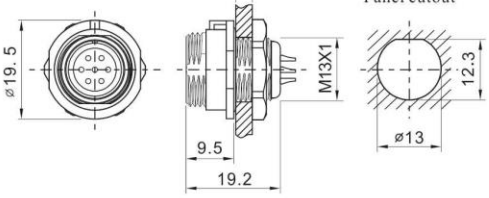




SP1311 / P___ Number of contact
SP1311 / S___
- C: with cap
- N: without cap
- Cable outer diameter I: 4-6.5mm, II: 5-8mm




Rear-nut mount
Mate with SP1310



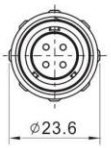
SP1312 / P__ **SP1312 / S__**
- C: with cap
- N: without cap
- Number of contact

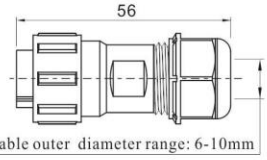
Solder contact spec

Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter(mm)	1.6	1.6	1	1	1	1	0.7
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



Cable connector
Mate with SP1711,SP1712



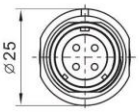


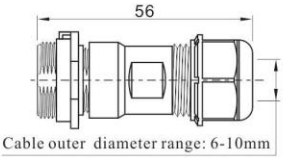
SP1710 / P_–_ N SP1710 / S_–_ N

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



In-line cable connector
Mate with SP1710



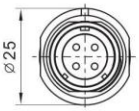


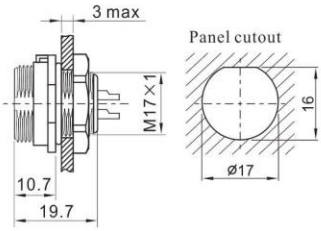
SP1711 / P_–_ _ SP1711 / S_–_ _

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 page 89-92

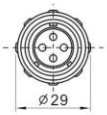
Number of contact	2	3	4	5	7	9	10
Male contact face view							
Rated current (A)	10	10	5	5	5	5	5
Contact diameter(mm)	1.5	1.5	1	1	1	1	1
Rated voltage (AC.V)	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	5
Wire size (mm²/AWG)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

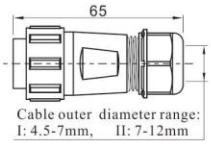
SP21 Series IP68

SP 21




Cable connector
Mate with SP2111, SP2112, SP2113

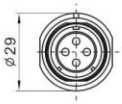


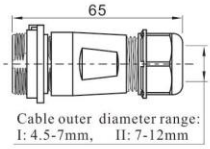


SP2110 / P_ _-_ _ SP2110 / S_ _-_ _
Number of contact
C: with cap
N: without cap
1: solder, 2: screw, 3: crimp
Cable outer diameter: I: 4.5-7mm, II: 7-12mm




In-line cable connector
Mate with SP2110

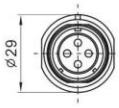


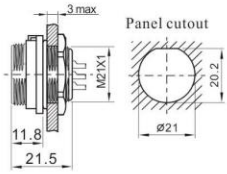


SP2111 / P_ _-_ _ SP2111 / S_ _-_ _
C: with cap
N: without cap




Rear-nut mount
Mate with SP2110

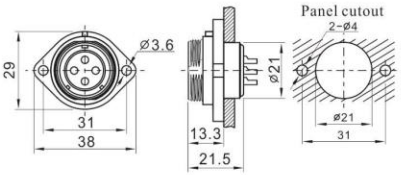




SP2112 / P_-_ _ SP2112 / S_-_ _
Number of contact
C: with cap
N: without cap
1: solder, 2:screw, 3:crimp



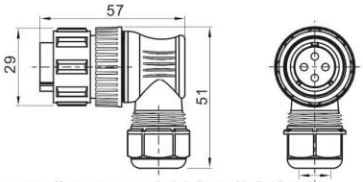

2-hole flange
Mate with SP2110



SP2113 / P_-_ _ SP2113 / S_-_ _



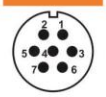

Angled cable connector
Mate with SP2111, SP2112, SP2113



SP2116 / P_ _-_ _ SP2116 / 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

Solder contact spec

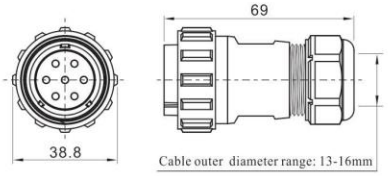
★ Crimp contact spec see page 89-92

Number of contact	2	3	4	5	5B	5C	7	9	12
Male contact face view									
Rated current (A)	30	30	30	30	30 5	15	15	5	5
Contact diameter(mm)	3	3	3	3	Ø3X2 Ø1X3	2	2	1	1
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200
Contact resistance (mΩ)	1	1	1	1	1 5	2.5	2.5	5	5
Termination	Solder Screw	Solder Screw	Solder Screw	Solder Screw	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	≤2/14	≤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	/	/	/	/	/

SP29 Series IP68



Cable connector
Mate with SP2911,SP2912,SP2913

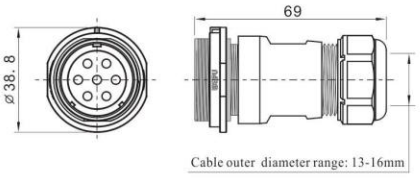


SP2910 / P_-_ _ N SP2910 / S_-_ _ N

1: solder, 2: screw, 3: crimp
Number of contact



In-line cable connector
Mate with SP2910

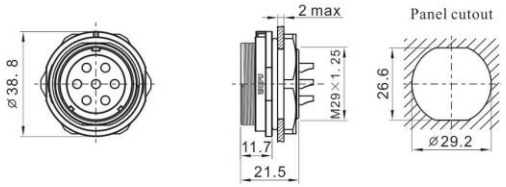


SP2911 / P_-_ _ SP2911 / S_-_ _

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



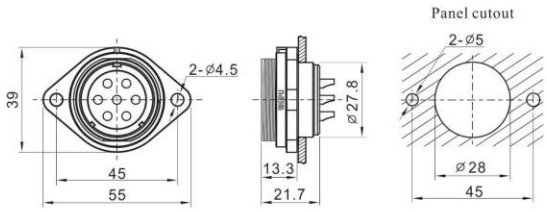
Rear-nut mount
Mate with SP2910



SP2912 / P_-_ _ SP2912 / S_-_ _



2-hole flange
Mate with SP2910



SP2913 / P_-_ _ SP2913 / S_-_ _

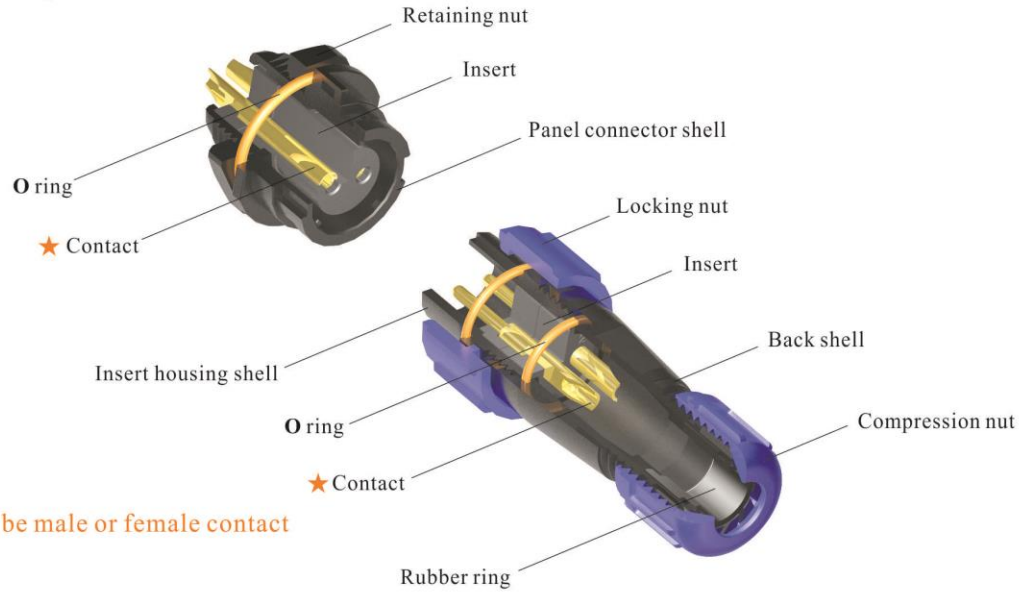
Solder contact spec

★ Crimp contact spec see page 89-92

Number of contact	2	3	4	7	8	9	10	10B	12	16	17	20	24	26
Male contact face view														
Rated current (A)	50	50	25	25	25	25 5	25	10	10	10	10	5	5	5
Contact diameter(mm)	3.5	3.5	2.5	2.5	2.5	ø2.5X4 ø1X5	2.5	1.5	1.5	1.5	1.5	1	1	1
Rated voltage (AC.V)	500	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	1200
Contact resistance (mΩ)	0.5	0.5	1	1	1	1 5	1	2.5	2.5	2.5	2.5	5	5	5
Termination	Solder Screw	Solder Screw	Solder Screw	Solder Screw	Solder Screw	Solder	Solder Screw	Solder	Solder	Solder	Solder	Solder	Solder	Solder
Wire size for solder (mm²/AWG)	≤10/7	≤10/7	≤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
Wire size for screw termination (mm²/AWG)	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	≤1.5/15	/	/	/	/	/	/	/



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



★ Each side can be male or female contact

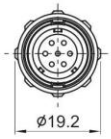
Material and spec

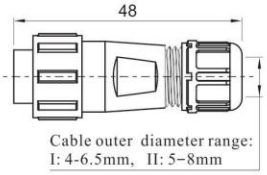
Coupling	Bayonet
Shell material	PC: Panel connector shell, Insert housing shell Nylon66: Locking nut, Back shell, Compressing nut, Retaining nut Fire resistance: V-0
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: SY13, SY17, SY21 Crimp: SY17, SY21 Screw: SY21 (Ø3mm contact)
IP rating	IP67
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance (MΩ)	2000

SY13 Series IP67



Cable connector
Mate with SY1311, SY1312



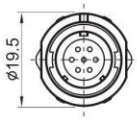


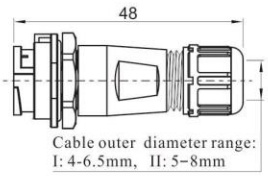
SY1310 / P_ _ N SY1310 / S_ _ N

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



In-line cable connector
Mate with SY1310



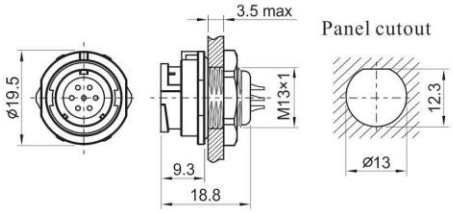


SY1311 / P_ _ SY1311 / S_ _ _

- 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



SY1312 / P_ SY1312 / S_ _

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

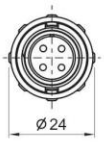
Solder contact spec

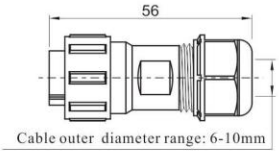
Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter(mm)	1.6	1.6	1	1	1	1	0.7
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
Wire size (mm^2/AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

SY17 Series IP67



Cable connector
Mate with SY1711,SY1712

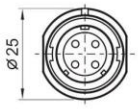


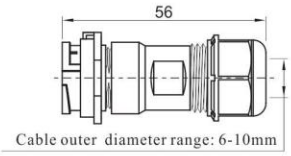


SY1710 / P__-__ N Male contact
SY1710 / S__-__ N Female contact
- 1: solder, 3: crimp
- Number of contact



In-line cable connector
Mate with SY1710

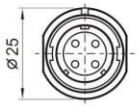


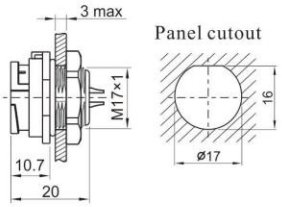


SY1711 / P__-__ **SY1711 / S__-__ __**
- C: with cap
  N: without cap
- 1: solder, 3: crimp
- Number of contact



Rear-nut mount
Mate with SY1710





SY1712 / P__ **SY1712 / S__ __**
- C: with cap
  N: without cap
- Number of contact

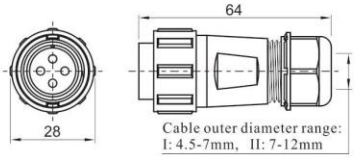
Solder contact spec

★ Crimp contact spec see page 89-92

Number of contact	2	3	4	5	7	9	10
Male contact face view							
Rated current (A)	10	10	5	5	5	5	5
Contact diameter(mm)	1.5	1.5	1	1	1	1	1
Rated voltage (AC.V)	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	5
Wire size (mm^2/AWG)	≤ 2/14	≤ 2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18



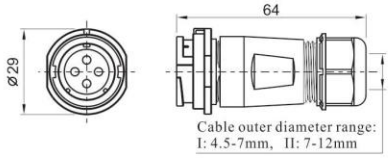
Cable connector
Mate with SY2111, SY2112, SY2113



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



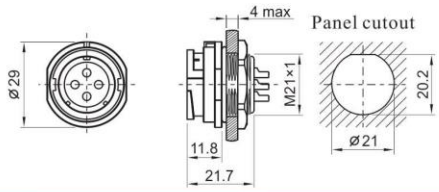
In-line cable connector
Mate with SY2110



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



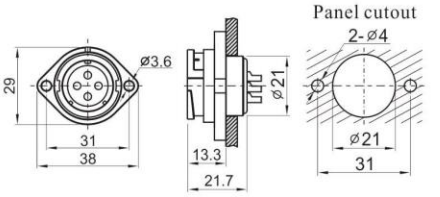
Rear-nut mount
Mate with SY2110



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



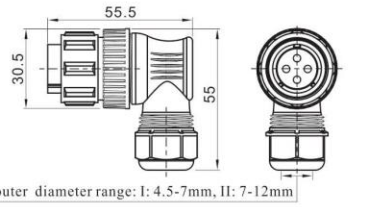
2-hole flange
Mate with SY2110



SY2113 / P__-__ __ SY2113 / S__-__ __



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 page 89-92

Number of contact	2	3	4	5	5B	5C	7	9	12
Male contact face view									
Rated current (A)	30	30	30	30	30 5	15	15	5	5
Contact diameter(mm)	3	3	3	3	ø3X2 ø1X3	2	2	1	1
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200
Contact resistance (mΩ)	1	1	1	1	1 5	2.5	2.5	5	5
Termination	Solder Screw	Solder Screw	Solder Screw	Solder Screw	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	≤2/14	≤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	/	/	/	/	/


WEIPU
SP29 SERIES
WEIPU
SP29 SERIES
WEIPU
SP21 SERIES

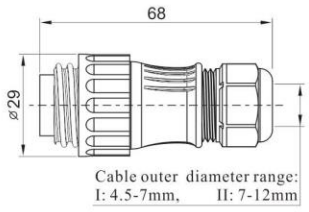
IP68 SP Series

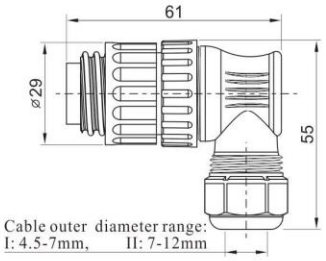
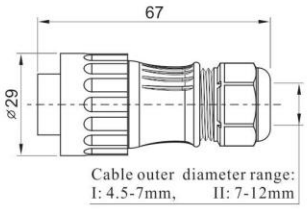
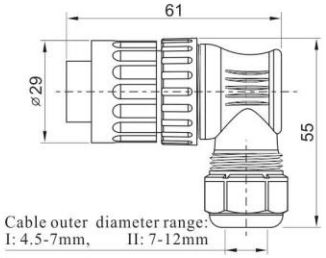
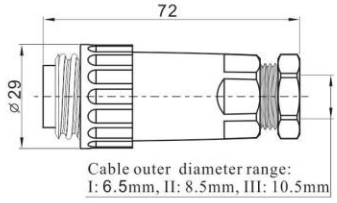


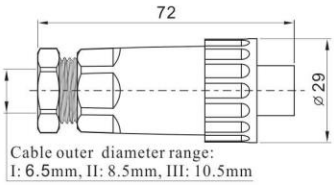
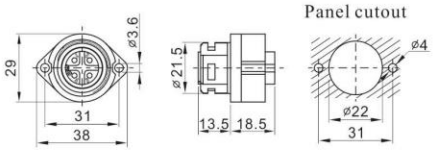
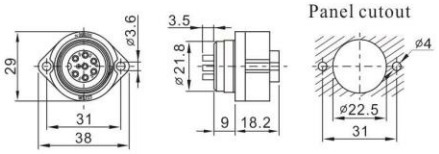
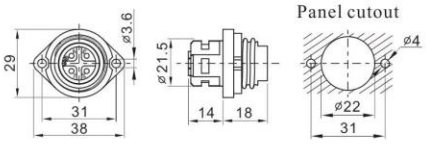
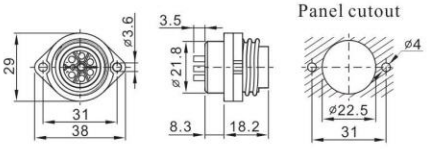
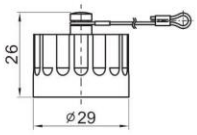
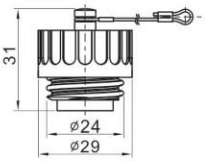


WA22 Series IP67

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_ (Cable outer diameter I: 4.5-7mm, II: 7-12mm) 	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
WA22J4TL2_ (Cable outer diameter I: 4.5-7mm, II: 7-12mm) 	3+PE male cable connector with angled back shell Screw termination	
WA22J7TL1_ 	6+PE male cable connector with angled back shell Solder termination	
WA22K4TK2_ 	3+PE female cable connector with short back shell Screw termination	
WA22K7TK1_ 	6+PE female cable connector with short 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 with long back shell Screw termination	
WA22J7TE1_ 	6+PE male cable connector with long back shell Solder termination	

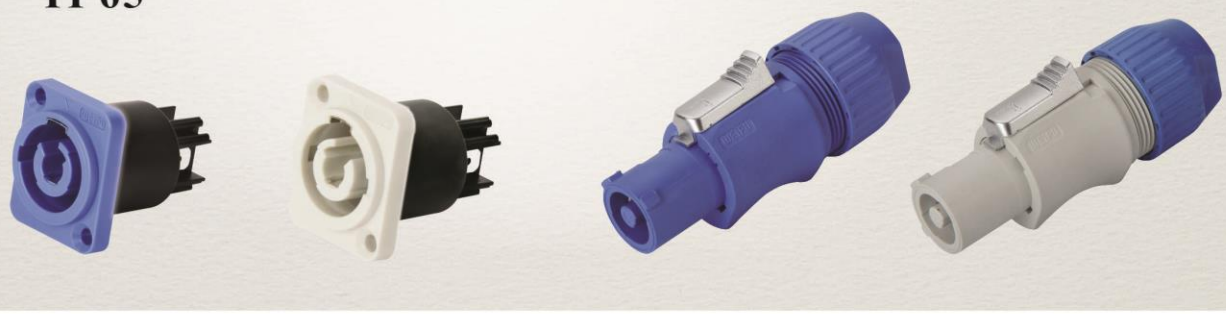
Part number	Description	Drawing
WA22K4ZE2_ └ Cable outer diameter I: 4.5-7mm, II: 7-12mm 	3+PE female cable connector with long back shell Screw termination	 Cable outer diameter range: I: 6.5mm, II: 8.5mm, III: 10.5mm
WA22K7ZE1_ 	6+PE female cable connector with long back shell Solder termination	
WA22K4Z2 	3+PE female panel connector Screw termination	
WA22K7Z1 	6+PE female panel 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®

IP65

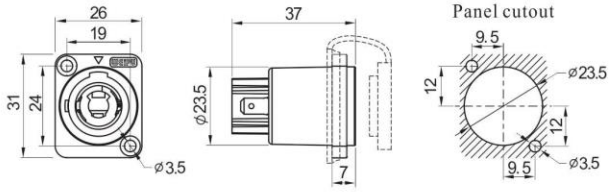
WAC3



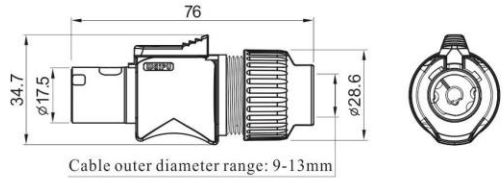
WAC3 Series IP65



Receptacle



Plug



Material and spec

Coupling	Bayonet
Shell material	Plug: Nylon PA66 Socket: PC
Insert material	PPS, max temperature 260°C
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˚C ~ + 85˚C
IP rating	IP65
Termination	Receptacle: 3/16" flat tab terminals Plug: screw

WEiPU

IP67

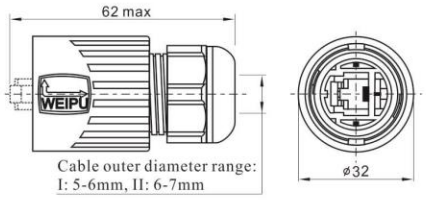
RJ 45F





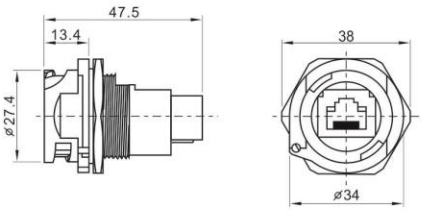
RJ45F plug
P/N: RJ45F6
- Cable outer diameter range:
  - 5-6mm, II: 6-7mm
  - no need to mark





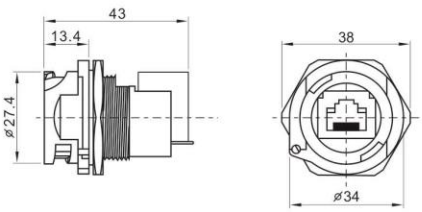
RJ45F Receptacle
P/N: RJ45F71



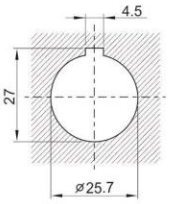


Angled Receptacle
P/N: RJ45F71RA





Panel cutout



Material and spec

Coupling	Bayonet
Shell material	PC, fire resistance: V-0
IP rating	IP67
Temperature range	-40℃~+85℃



WP Series

Part number system

WP 20 ☐ ☐ ☐ ☐ ☐ ☐

- Series code: WP
- Panel cutout diameter: 20
- Contact gender: J: Male contact; K: Female contact
- Number of solder contact: 2. 3. 4. 5. 7. 9. 12
- Number of crimp contact: 2. 3. 4. 5. 7. 8
- Connector type: T: Plug; Z: Receptacle
- Cable fix type: O: PVC sleeve; K: Clamping-nut; P: Metal hose
- Termination type: 1: Solder; 2: Screw (for ø3mm contact); 3: Crimp
- Cable outer diameter for TK only: I: 4.5-7mm, II: 7-12mm

★ Each side can be male or female contact

Material and spec

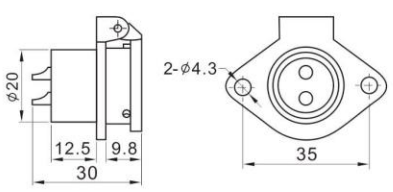
Coupling	Bayonet
Shell	Nylon 66 / Zinc alloy
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder (ø1, ø2, ø3mm contact) Sccrew (ø3mm contact) Crimp (ø1, ø1.5, ø2.5mm contact)
Mating cycle	500
Temperature range	-40℃ ~ + 85℃

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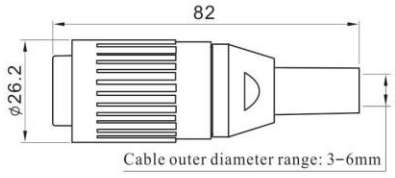
WP 20



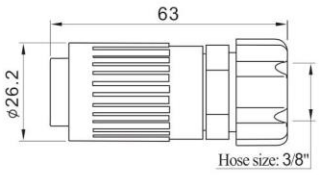
- Receptacle: Z IP44



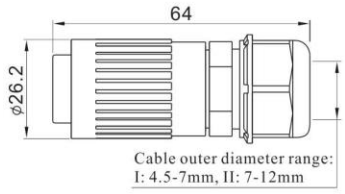
- PVC sleeve : TO



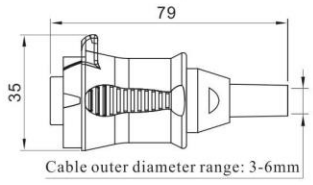
- Metal hose: TP



- Plastic clamping-nut: TK IP55

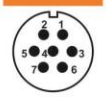


- Without bayonet: TO-G



Solder contact spec

★ Crimp contact spec see page 89-92

Number of contact	2	3	4	5	5B	5C	7	9	12
Male contact face view									
Rated current (A)	30	30	30	30	30 5	15	15	5	5
Contact diameter(mm)	3	3	3	3	ø3X2 ø1X3	2	2	1	1
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200
Contact resistance (mΩ)	1	1	1	1	1 5	2.5	2.5	5	5
Termination	Solder Screw	Solder Screw	Solder Screw	Solder Screw	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	≤2/14	≤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	/	/	/	/	/



WL52 Series IP66/67

Part number system

WL | 52 | ☐ | ☐ | ☐ | ☐ | ☐

Series code

Panel hole cutout diameter

Contact gender
J: Male contact
K: Female contact

Number of contact: 19

Connector type
T: Plug
Z: Receptacle

Colour
B: Black (Standard)
L: Blue
G: Green
O: Orange
P: Purple
R: Red
Y: Yellow
} Special order

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

Material and spec

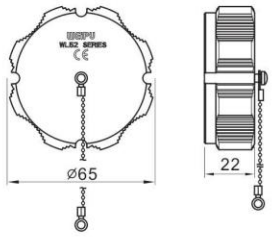
Coupling	Threaded
Shell material	Anodized aluminium
Insert material	PPS, max temperature 260℃
Contact material	Brass with gold plating
IP rating	IP66/67
Termination	Solder
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance (MΩ)	2000

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IP67

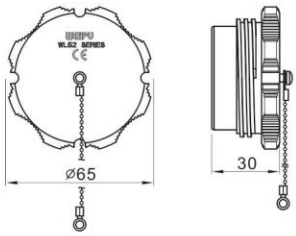
WL
52



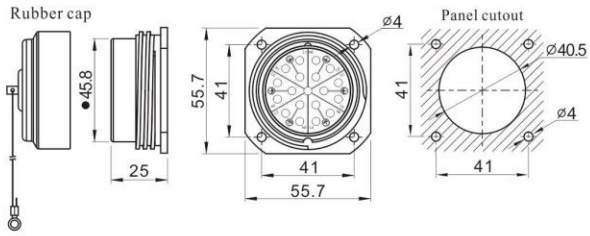
- Aluminium cap for female-contact connector:
  P/N: WL52−GZK IP67



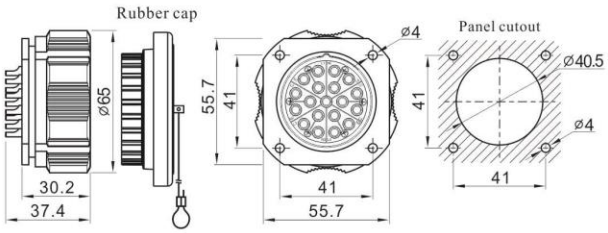
- Aluminium cap for male-contact connector:
  P/N: WL52−GZJ IP67



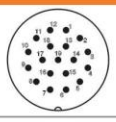
- Square flange female contact receptacle:
  P/N: WL52K19Z IP67



- Square flange male contact receptacle:
  P/N: WL52J19Z IP67



Solder contact spec

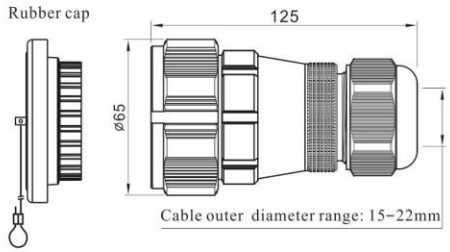
Number of contact	19
Male contact face view	
Rated current (A)	25
Contact diameter (mm)	3
Rated voltage	700 (DC.V), 500 (AC.V)
Test voltage(AC.V) 1 min	2500
Contact resistance (mΩ)	1
Wire size (mm^2 / AWG)	≤6/9

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IP66/67

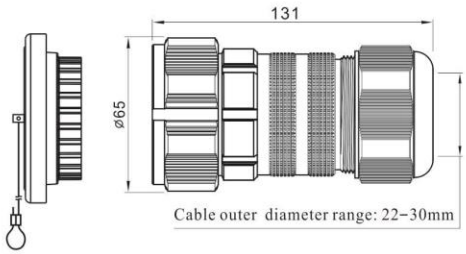
WL
52



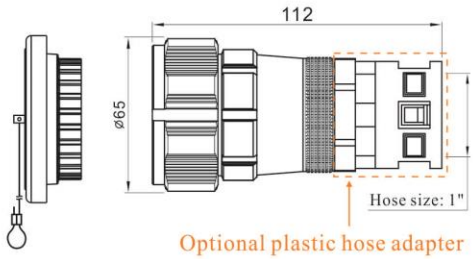
- Male-contact plug with clamping-nut IP67 P/N: WL52J19T



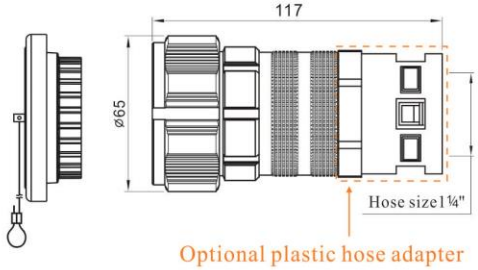
- Male-contact plug with clamping-nut 2 IP67 P/N: WL52J19TII



- Male-contact plug for PG29 Plastic hose adapter IP66 P/N: WL52J19TADI



- Male-contact plug for M40 ×1.5 plastic hose adapter IP66 P/N: WL52J19TADII



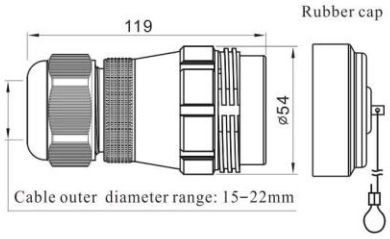
WEiPU®

IP66/67

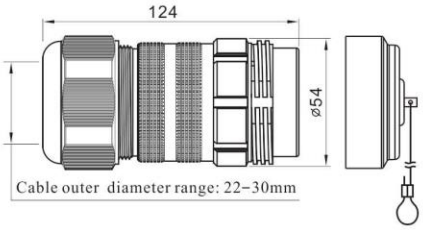
WL 52



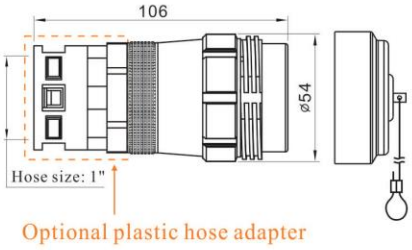
● Female-contact connector with clamping-nut IP67 P/N: WL52K19T



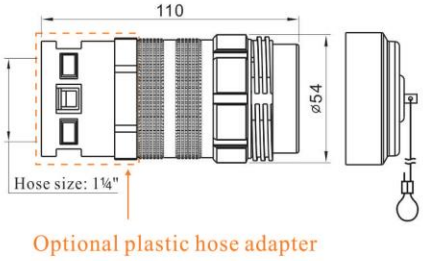
● Female-contact connector with clamping-nut 2 IP67 P/N: WL52K19TII



● Female-contact connector for PG29 Plastic hose adapter IP66 P/N: WL52K19TADI



● Female-contact connector for M40 ×1.5 Plastic hose adapter IP66 P/N: WL52K19TADII



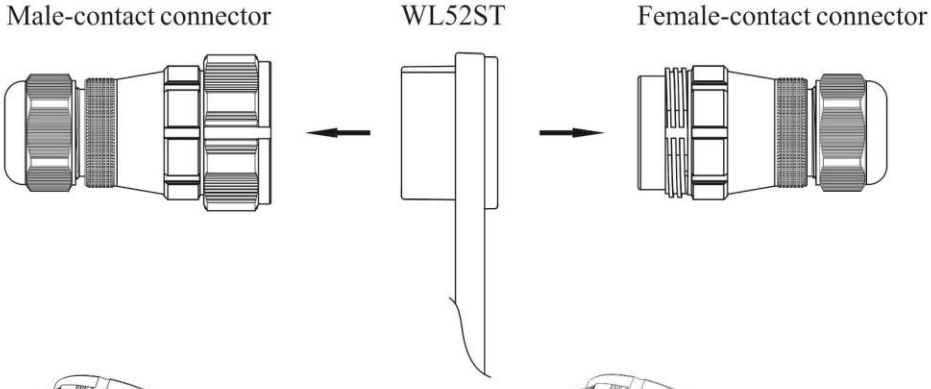
WEiPU

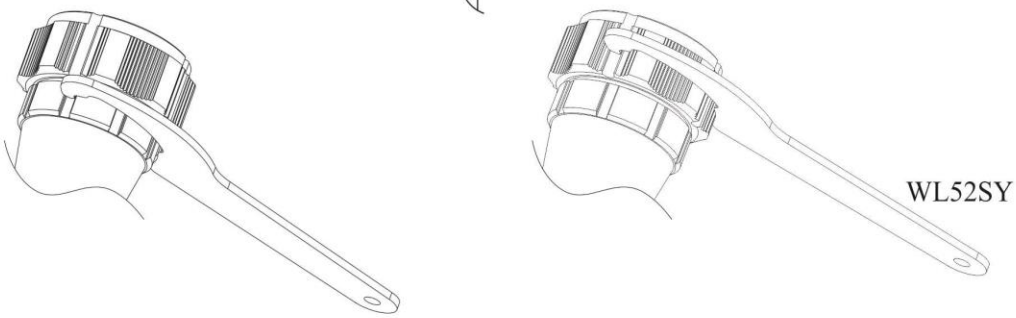
WL
52

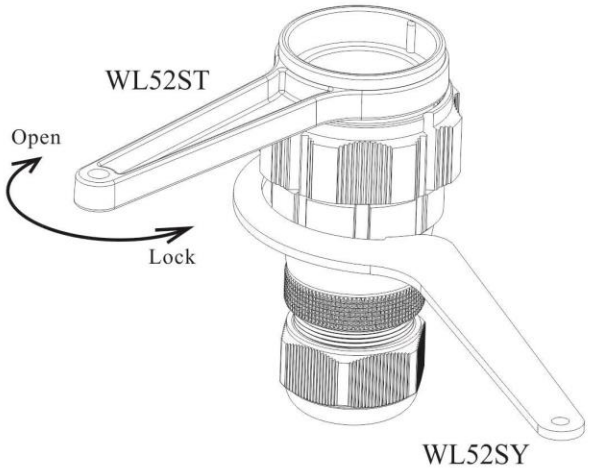


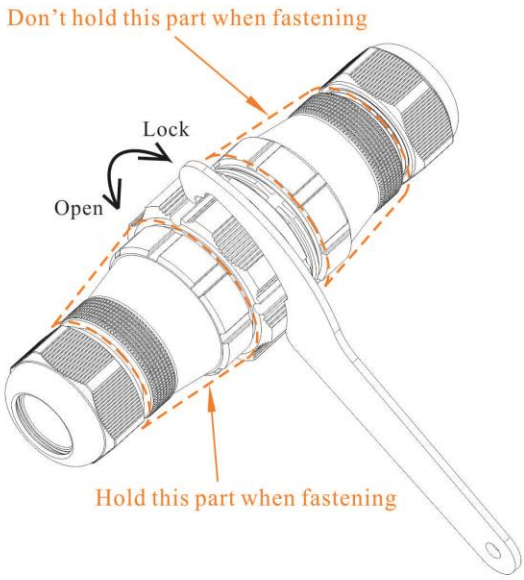


Instruction










WEiPU
WL52 SERIES
CE
Lock
Open


Lock
Open

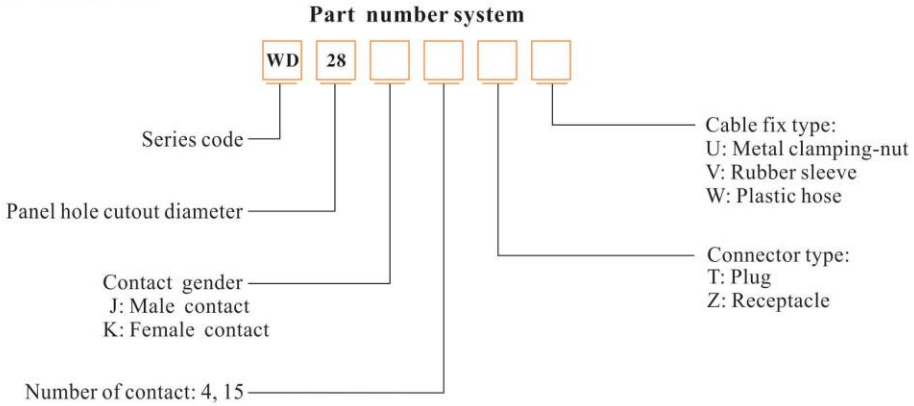
IP67 WL52 Series





● WD Series IP55/IP65
Servo motor connector

Part number system



★ These connectors are designed for servo motors, socket is IP65 without mating or cap, there is a layer of rubber-seal-insert stops water goes back of socket.

Material and spec

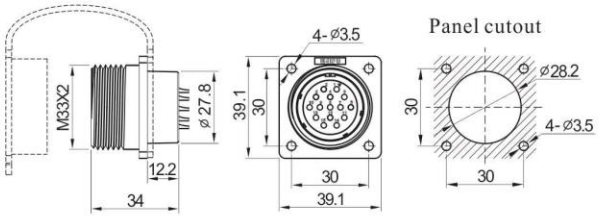
Coupling	Threaded
Shell material	Zinc alloy with black nickel plating
Insert material	Plug: PPS, max temperature 260°C Socket: Rubber and PPS, max temperature 260°C
Contact material	Brass with gold plating
Termination	Solder
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance (MΩ)	2000

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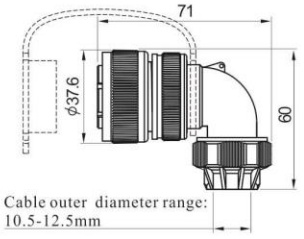
WD 28



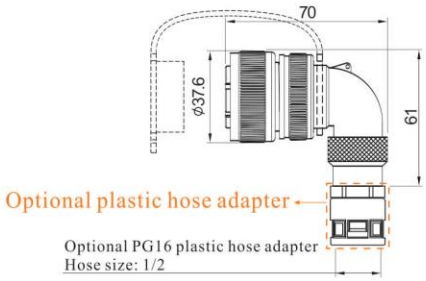
● Receptacle: Z IP65



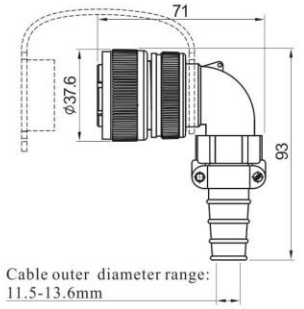
● Cable connector with clamping-nut: TU IP65



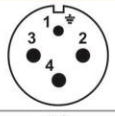
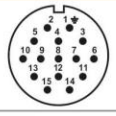
● Cable connector for plastic hose: TW IP55



● Cable connector with with rubber sleeve: TV IP65



Solder contact spec

Number of contact	4	15
Male contact face view		
Rated current (A)	50 25	10
Contact diameter (mm)	3.5 2.5	1.5
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance (mΩ)	0.5 1	2.5
Wire size (mm² / AWG)	≤10 / 7 ≤4 / 11	≤2 / 14



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, ø3.5mm 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
- ZY / ZYB: Receptacle with PVC sleeve
- TQ / ZQ / ZQB: Plug / receptacle with PVC sleeve
- TP / ZP / ZPB: Plug / receptacle for metal hose
- TD / ZD / ZDB: Plug / receptacle for plastic hose

Angled
- TR / ZR: Plug / receptacle for metal hose
- TS / ZS: Plug / receptacle with PVC sleeve
- TC / 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 decrease rate (%)	0	10	20	30	40	50	60

★ Each side can be male or female contact
★ Solder contact spec see page 87-88
★ Crimp contact spec see page 89-92

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, 1.5, 2.5, 3.5, 5,5mm contact Screw: ø2.5, 3, 3.5mm contact Crimp: ø1, 1.5, 2.5, 3.5mm contact
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 PVC sleeve — ZYB / ZY

◆ In-line receptacle with PVC sleeve — ZQB / ZQ

◆ In-line receptacle for metal hose — ZPB / ZP

◆ In-line receptacle for plastic-hose — ZDB / ZD

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

◆ In-line receptacle with angled back shell and PVC sleeve — ZS

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

◆ Plastic receptacle cap

TQ — ◆ Plug with PVC sleeve

TP — ◆ Plug for metal-hose

TD — ◆ Plug for plastic-hose

TS — ◆ Plug with angled back shell and PVC sleeve

TR — ◆ Plug with angled back shell for metal-hose

TC — ◆ Plug with angled back shell for plastic-hose

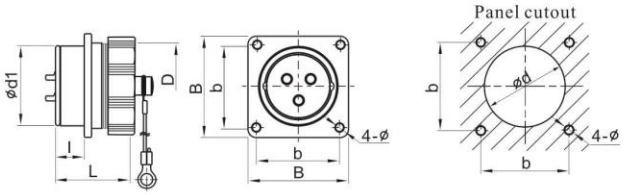
★ Each side can be male or female contact

★ Solder contact spec see page 87-88

★ Crimp contact spec see page 89-92

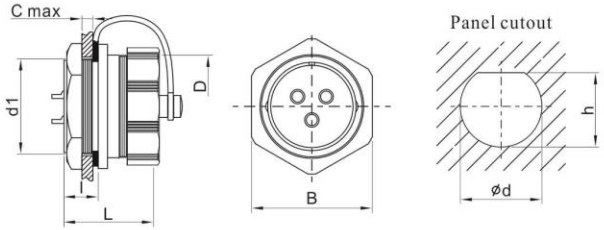


Square flange receptacle: Z

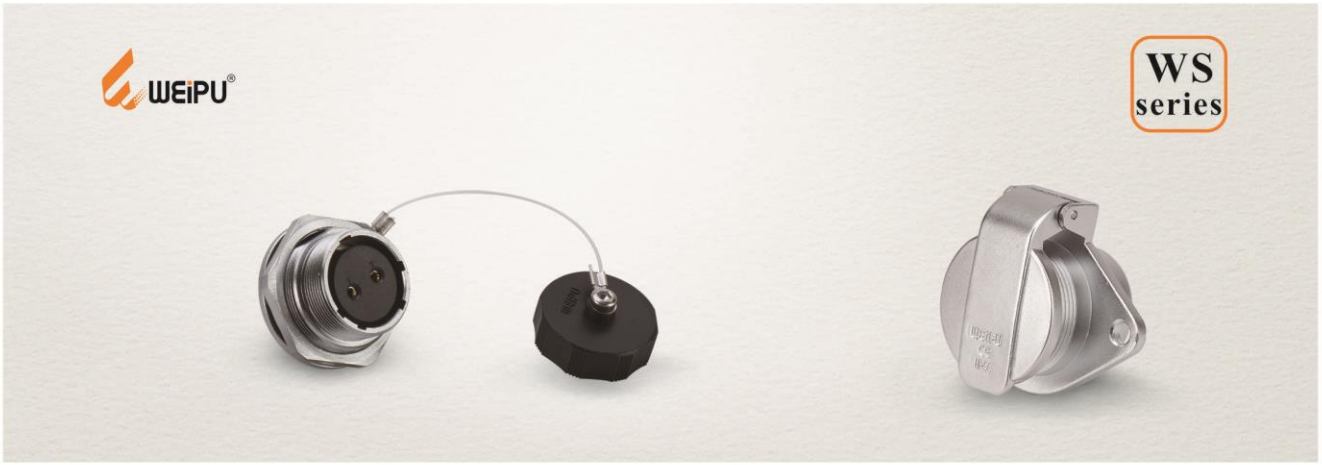


Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
Ød1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
D	M18X1	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
l	9.7	9.8	10	9.8	14.4	14.2	14.2	14
L	21.6	23	23	23	34	34	34	34
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
Ød	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

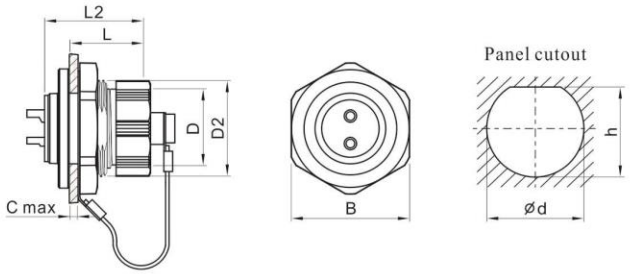
Round flange receptacle: ZM



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

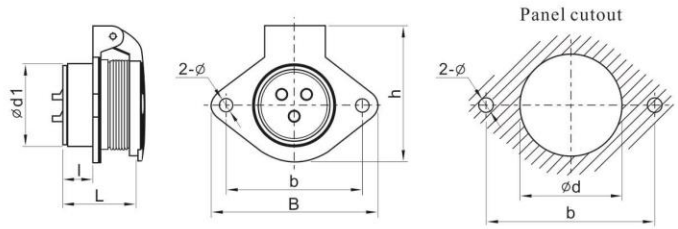


Front-nut-mount receptacle: ZMQ IP67



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



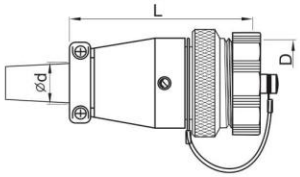
Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
Ød1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
l	10	10	10	10	15.4	14.7	14.3	14
L	22	23	23	23	34	34	34	34
b	30	35	40	45	55	65	80	85
B	38	44	50	55	67	77	92	98
h	32.5	36.5	40.5	45.5	52.5	63.5	74.5	80
Ød	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
Ø	3.5	4.5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

WEiPU®

WS series

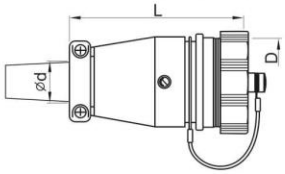


In-line receptacle with PVC sleeve B: ZQB



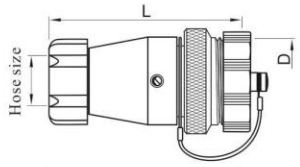
Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	44.3	48.3	53.5	56
ød max	10	11.6	12.4	15.7

In-line receptacle with PVC sleeve: ZQ



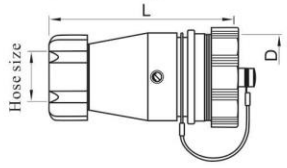
Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	70	77	85	97
ød max	19.5	24	24	30

In-line receptacle for metal-hose B: ZPB



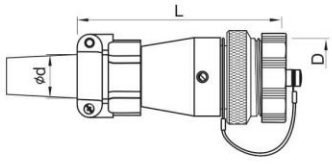
Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	49. 5	58	62	65
Hose size	1/4″	3/8″	3/8″	1/2″

In-line receptacle for metal-hose: ZP



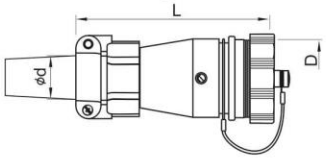
Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	75	99	103	106
Hose size	3/4″	1″	I : 1″ II: 1¼″	1¼″

In-line receptacle with cable clamping plates B: ZYB



Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	48. 5	54. 5	55. 5	65.3
ød max	10	13	13	17

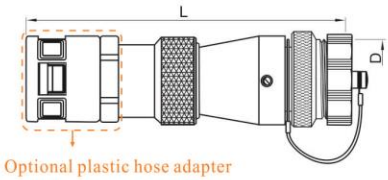
In-line receptacle with cable clamping plates: ZY



Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	89.2	94.8	101.8	124.7
ød max	19	23	I : 23 II: 31	31

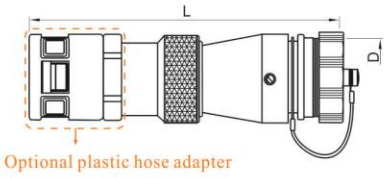


In-line receptacle for plastic-hose: ZDB



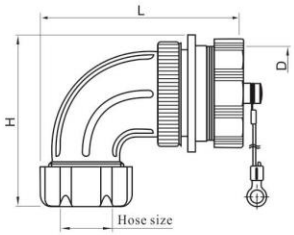
Dimension (mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	80	90	97	104
Adapter size	PG7	PG11	PG11	PG16
Hose size	1/4″	3/8″	3/8″	1/2″

In-line receptacle for plastic-hose: ZD



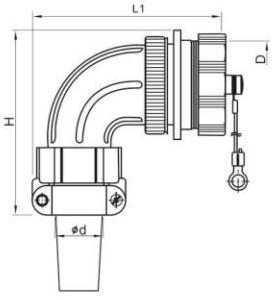
Dimension (mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	126.7	134	141	160
Adapter size	PG21	PG29	I: PG29 II: PG36	PG36
Hose size	3/4″	1″	I: 1″ II: 1¼″	1¼″

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	——	60	60	63	81	88	96	107
H	——	48	51	52	58	70	82	90
Hose size	——	3/8″	3/8″	1/2″	3/4″	1″	1″	1¼″

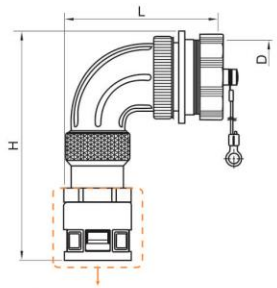
In-line receptacle with angled back shell and PVC sleeve: ZS



Dimension (mm)		WS20	WS24	WS28	WS32	WS40	WS48	WS55
D	——	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	——	60.6	60.4	64.7	82	89.2	96	114.2
H	——	54.4	56.8	64	72	83.3	94.5	112.3
ød max	——	13	13	17	19	23	23	31



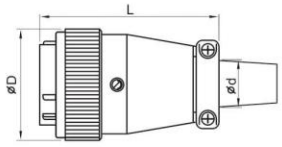
In-line receptacle with angled back shell for plastic-hose: ZC



Optional plastic hose adapter

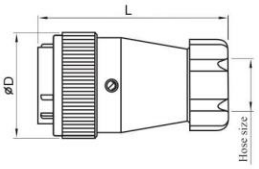
Dimension (mm)		WS20	WS24	WS28	WS32	WS40	WS48	WS55
D	——	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	——	60	60	65	82	90	95	110
H	——	88	88	98	110	120	135	140
Adapter size	——	PG11	PG11	PG16	PG21	PG29	PG29	PG36
Hose size	——	3/8″	3/8″	1/2″	3/4″	1″	1″	1¼″

Plug with PVC sleeve: TQ



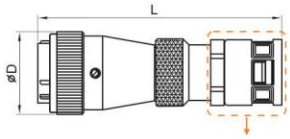
Dimension (mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
øD	21.8	26.4	29.8	34	39.3	49.3	57.2	64.5
L	44	49.5	53.5	56	70	75.5	85.5	97
ød max	10	11.6	12.4	16	19.5	24	24	30

Plug for metal-hose: TP



Dimension (mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD1	21.5	26.4	29.8	34	39.3	49.3	57.2	64.5
L	48	57	58	61	74	82	90	100
Hose size	1/4″	3/8″	3/8″	1/2″	3/4″	1″	I:1″ II:1¼″	1¼″

Plug for plastic-hose: TD

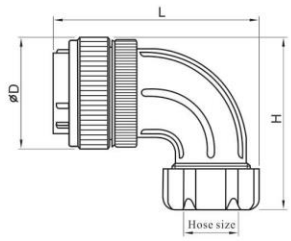


Optional plastic hose adapter

Dimension (mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	21.5	26.4	29.8	34	39.3	49.3	57.2	64.5
L	63	75	60	63	120	132	138	150
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″

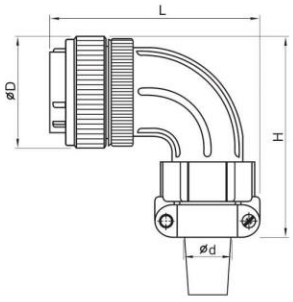


Plug with angled back shell for metal-hose: TR



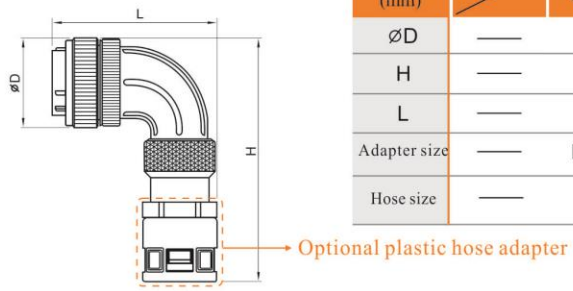
Dimension (mm)		WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	——	25.6	30	33.8	38.2	49.3	55.8	63
H	——	48	51	52	58	70	82	90
L	——	60	60	63	81	88	96	107
Hose size	——	3/8″	3/8″	1/2″	3/4″	1″	1″	1¼″

Plug with angled back shell with PVC sleeve: TS



Dimension (mm)		WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	——	25.6	30	33.8	38.2	49.3	55.8	63
H	——	53	57	61	66	78	91	100
L	——	60	61	64	80	88	96	107
Ød max	——	11.6	12.4	15.7	19.5	24	24	30

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



Dimension (mm)		WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	——	25.6	30	33.8	38.2	49.3	55.8	63
H	——	60	62	65	82	88	96	107
L	——	70	88	95	105	130	130	146
Adapter size	——	PG11	PG11	PG16	PG21	PG29	PG29	PG36
Hose size	——	3/8″	3/8″	1/2″	3/4″	1″	1″	1¼″



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. 5mm 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
- TA / ZA / ZAB: Plug / receptacle with plastic clamping-nut
- T N/ ZN/ ZNB: Plug / receptacle for plastic-hose
- TE / ZE / ZEB: Plug / receptacle with metal clamping-nut
- TI / ZII / ZIB: Plug / receptacle with rubber sleeve

Angled
- TU: Plug with metal clamping-nut
- TV: Plug with rubber sleeve
- 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 decrease rate (%)	0	10	20	30	40	50	60

★ Each side can be male or female contact
★ Solder contact spec see page 87-88
★ Crimp contact spec see page 89-92

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, 1.5, 2.5, 3.5, 5,5mm contact Screw: ø2.5, 3, 3.5mm contact Crimp: ø1, 1.5, 2.5, 3.5mm contact
Mating cycle	500
Temperature range	-40℃~+85℃

WF Series Mating diagram

◆ Square flange receptacle IP67



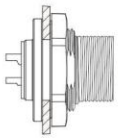
Z

◆ Round flange receptacle IP67



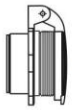
ZM

◆ Front-nut-mount receptacle IP67



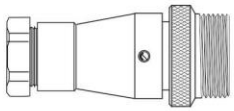
ZMQ

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



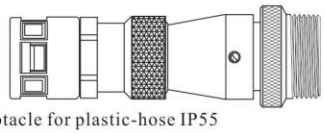
ZG

◆ In-line receptacle with plastic clamping nut IP65



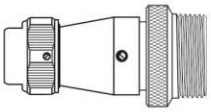
ZAB
ZA

◆ In-line receptacle for plastic-hose IP55



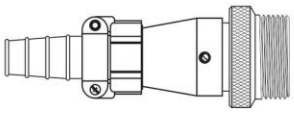
ZNB
ZN

◆ In-line receptacle with metal clamping-nut IP67



ZEB
ZE

◆ In-line receptacle with rubber sleeve IP65



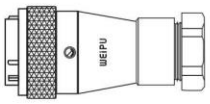
ZIB
ZI

◆ Plastic receptacle cap IP44



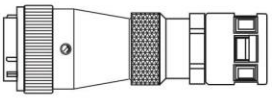
★ IP rating marked is for after mated or with cap.

TA



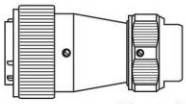
◆ Plug with plastic clamping-nut IP65

TN



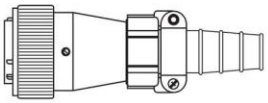
◆ Plug for plastic-hose IP55

TE



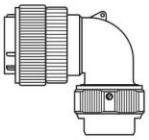
◆ Plug with metal clamping-nut IP67

TI



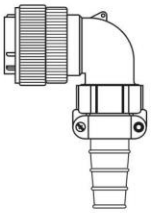
◆ Plug with rubber sleeve IP65

TU



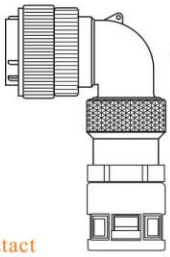
◆ Plug with angled back shell and metal clamping-nut IP65

TV



◆ Plug with angled back shell and rubber sleeve IP65

TW



◆ Plug with angled back shell for plastic-hose IP55

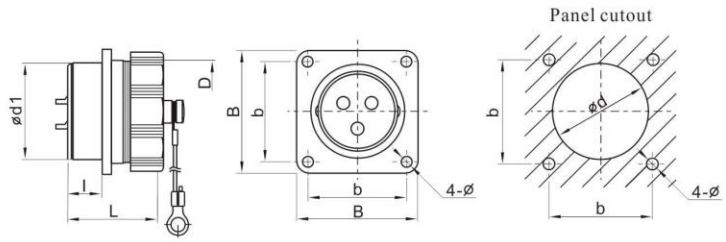
★ Each side can be male or female contact

★ Solder contact spec see page 87-88

★ Crimp contact spec see page 89-92

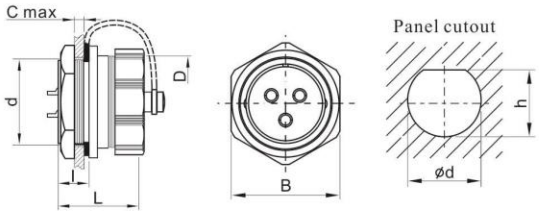


Square flange receptacle: Z IP67



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

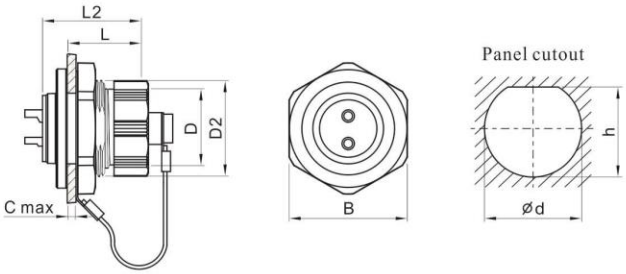
Round flange receptacle: ZM IP67



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

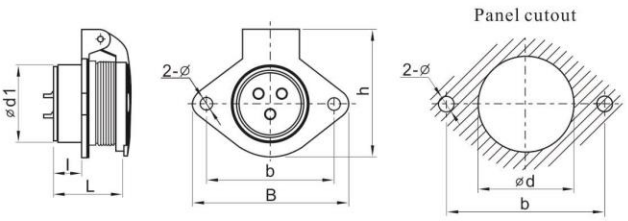


Front-nut-mount panel receptacle: ZMQ IP67



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

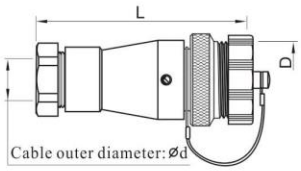
2-hole flange receptacle with cap: ZG IP67(cap IP44)



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

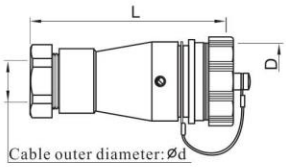


In-line receptacle with plastic clamping-nut B: ZAB IP65



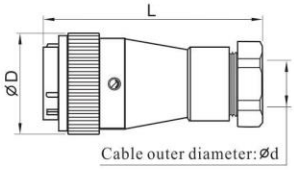
Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	53	65	68	74.5
Ød	4.5-7	5-12	5-12	6.5-15.5

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



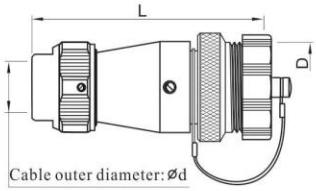
Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	92	109	116	110
Ød	8.5-19.5	11.5-24.5	11.5-24.5	15-31

Plug with plastic clamping-nut: TA IP65



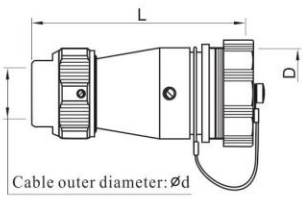
Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ØD	21	25.6	30	34.2	38.2	46.2	55.8	63
L	54	65	68	73	90	101	102	107
Ød	4.5-7	5-12	5-12	6.5-15.5	8.5-19.5	11.5-24.5	11.5-24.5	15-31

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

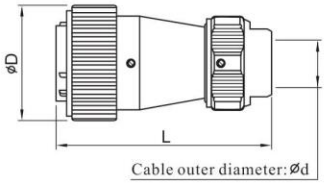
In-line receptacle with metal clamping-nut: ZE IP67



Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	90.4	103.6	108	131.6
Ød	15.5-17	18-20	I: 18-20 II: 24.5-26	24.5-26

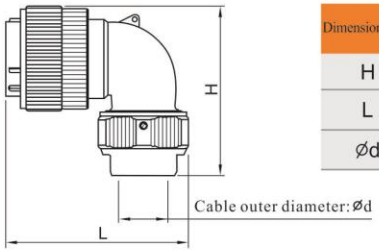


Plug with metal clamping-nut: TE IP67



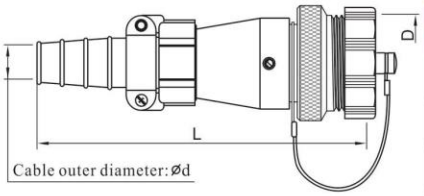
尺寸 Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
øD	21.8	26.4	29.8	34	39.3	49.3	57.2	64.5
L	52.6	61.3	67.3	67.4	88	102.9	107.7	131.6
ød	5-6.5	9-10.5	9-10.5	10.5-12.5	15.5-17	18-20	I: 18-20 II: 24.5-26	24.5-26

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



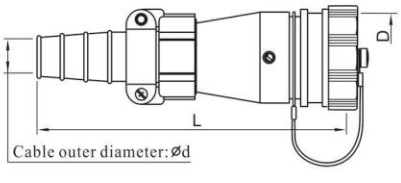
Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
H	43.2	50.3	54	56.7	74.6	80	98	105.2
L	47.5	55	58.3	72	82.5	91.5	98.5	109.2
ød	5-6.5	9-10.5	9-10.5	10.5-12.5	15.5-17	18-20	24.5-26	24.5-26

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

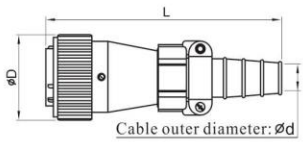
In-line receptacle with cable clamping plates: ZI IP65



Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	118.6	130.2	137	210.5
ød	13-15.6	15.5-18.8	I:15.5-18.8 II:24-28	24-28

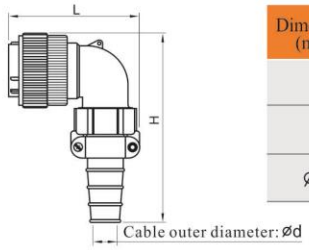


Plug with rubber sleeve: TI IP65



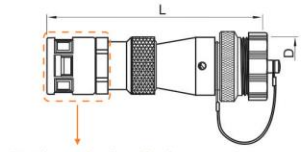
Dimension (mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ØD	21.5	26.4	29.8	34	39.3	49.3	57.2	64.5
L	72.3	86.9	92.5	100.6	118.3	130.4	137.2	161.1
Ød	7-8	8-10. 5	8-10. 5	11.5-13.6	13-15.6	15.5-18.8	I:15.5-18.8 II:24-28	24-28

Plug with angled back shell and rubber sleeve: TV IP65



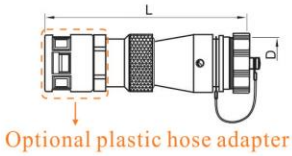
Dimension (mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
H	60	80	80	93	107	118	127	140
L	45.5	53	56.3	70	80.5	89.5	98	107.2
Ød	7-8	8-10. 5	8-10. 5	11.5-13.6	13-15.6	15.5-18.8	24-28	24-28

In-line receptacle for plastic-hose: ZNB IP55



Dimension (mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	80	90	97	104
Adapter size	PG7	PG11	PG11	PG16
Hose size	1/4″	3/8″	3/8″	1/2″

In-line receptacle for plastic-hose: ZN IP55



Dimension (mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	126.7	134	141	160
Adapter size	PG21	PG29	I: PG29 II: PG36	PG36
Hose size	3/4″	1″	I: 1″ II: 1¼″	1¼″

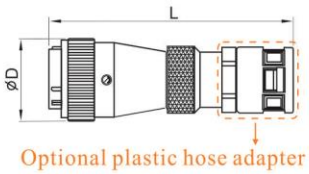
WEiPU

WF series



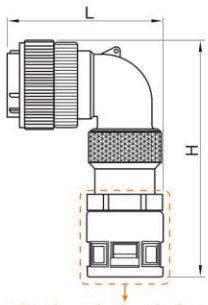


Plug for plastic-hose: TN IP55



Dimension (mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ØD	21.5	26.8	29.8	34	39.3	49.3	57.2	64.5
L	63	75	60	63	120	132	138	150
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	58	78	78	91	105	120	125	132
L	46.5	54	57.3	71	81.5	90.5	98	108
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	PG29	PG36
Hose size	1/4″	3/8″	3/8″	1/2″	3/4″	1″	1¼″	1¼″



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

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
- TE / ZE / ZEB: Plug / receptacle with metal clamping-nut
- TI / ZI / ZIB: Plug / receptacle with rubber sleeve
- TB / ZB / ZBB: Plug / receptacle for plastic-hose

Angled
- TU: Plug with metal clamping-nut
- TV: Plug with rubber sleeve
- TW: Plug for plastic-hose

Termination type:
1: Solder
2: Screw （for ø2.5, ø3, ø3. 5mm contact）
3: Crimp

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 decrease rate (%)	0	10	20	30	40	50	60

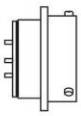
★ Each side can be male or female contact
★ Solder contact spec see page 87-88
★ Crimp contact spec see page 89-92

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, 1.5, 2.5, 3.5, 5,5mm contact Screw: ø2.5, 3, 3.5mm contact Crimp: ø1, 1.5, 2.5, 3.5mm contact
Mating cycle	500
Temperature range	-40℃~+85℃

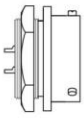
WY Series Mating diagram

◆ Square flange receptacle IP67



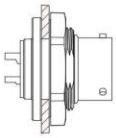
Z

◆ Round flange receptacle IP67



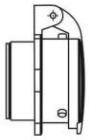
ZM

◆ Front-nut-mount receptacle IP67

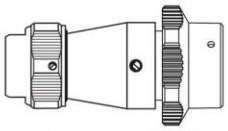


ZMQ

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

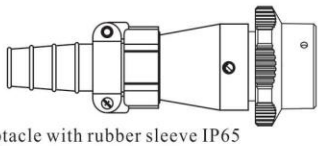


ZG



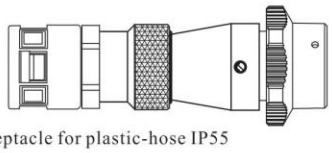
ZEB
ZE

◆ In-line receptacle with metal clamping-nut IP67



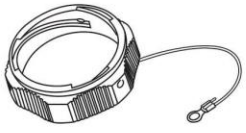
ZIB
ZI

◆ In-line receptacle with rubber sleeve IP65



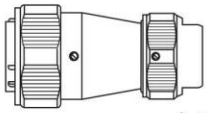
ZBB
ZB

◆ In-line receptacle for plastic-hose IP55



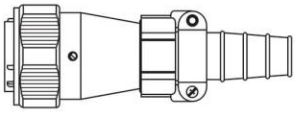
◆ Metal receptacle cap IP67

TE



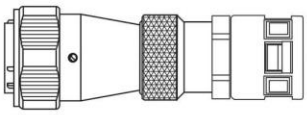
◆ Plug with metal clamping-nut IP67

TI



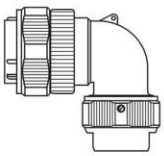
◆ Plug with rubber sleeve IP65

TB



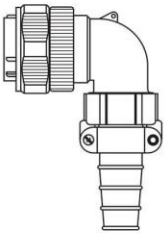
◆ Plug for plastic-hose IP55

TU



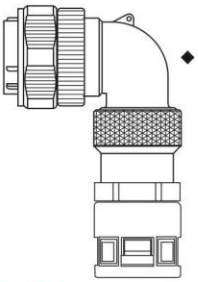
◆ Plug with angled back shell and metal clamping-nut IP66

TV



◆ Plug with angled back shell and rubber sleeve IP65

TW



◆ Plug with angled back shell for plastic-hose IP55

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

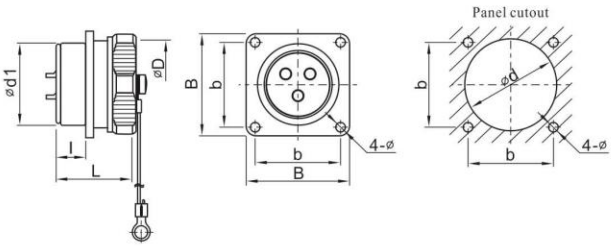
★ Each side can be male or female contact

★ Solder contact spec see page 87–88

★ Crimp contact spec see page 89–92

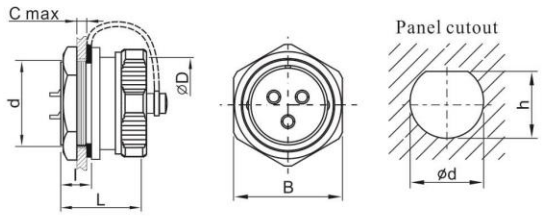


Square flange panel receptacle: Z IP67



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
d1	15.8	19.8	23.8	27.8	31.8	41.8	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	34	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

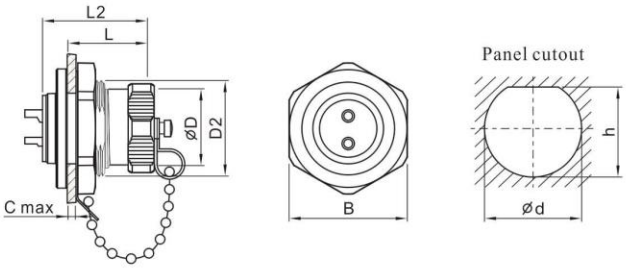
Round flange panel receptacle: ZM IP67



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	15.7	19.7	23.9	27.7
h	15.3	19.3	23.2	26.9

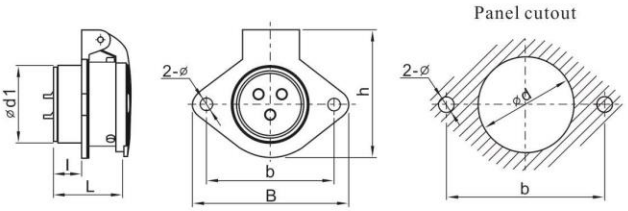


● Front-nut-mount receptacle: ZMQ IP67



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

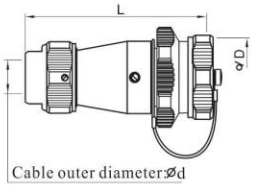
● 2-hole flange panel receptacle with cap: ZG IP67 (Cap IP44)



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

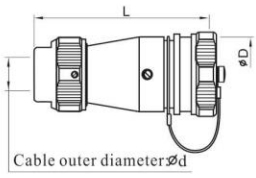


In-line receptacle with metal clamping-nut B: ZEB IP67



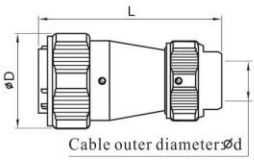
Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	55	63	67	70
Ød	5-6.5	9-10.5	9-10.5	10.5-12.5

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



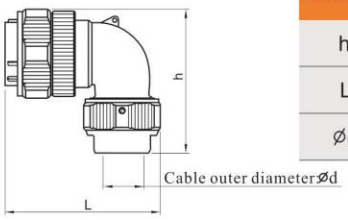
Dimension(mm)	WY32	WY40	WY48	WY55
D	35	44	52	59
L	91	104	108	132
Ød	15.5-17	18-20	I: 18-20 II: 24.5-26	24.5-26

Plug with metal clamping-nut: TE IP67



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	25	30	34	38.5	44.5	54	62	68.5
L	53	62	68	68	88	103	108	132
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

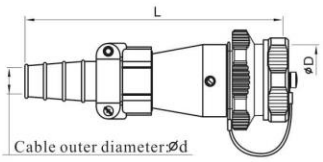
Plug with angled back shell and metal clamping-nut: TU IP66



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
h	43.2	53	54	56.7	74.6	80	98	105.2
L	48	58	59	62	83	92	99	110
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



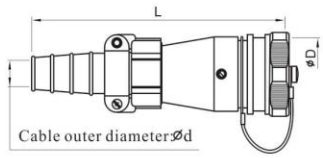
In-line receptacle with cable clamping plates B: ZIB IP65



Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	73	86	92	101
Ød	7-8	9-10. 5	9-10. 5	11.5-13.6

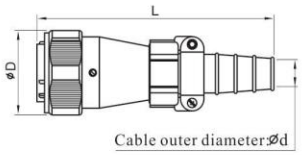
Cable outer diameter:Ød

In-line receptacle with cable clamping plates: ZI IP65



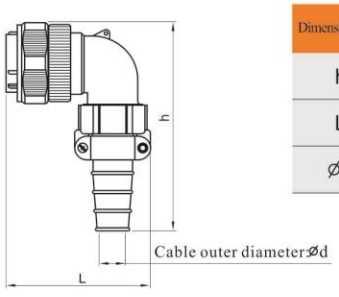
Dimension(mm)	WY32	WY40	WY48	WY55
D	35	44	52	59
L	119	131	137	211
Ød	13-15.6	15.5-18.8	I:15.5-18.8 II:24-28	24-28

Plug with cable clamping plates: TI IP65



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	25	30	34	38.5	44.5	54	62	68.5
L	73	87	93	101	119	131	138	162
Ød	7-8	9-10. 5	9-10. 5	11.5-13.6	13-15.6	15.5-18.8	I:15.5-18.8 II:24-28	24-28

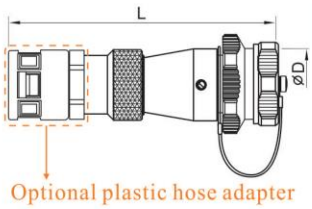
Plug with angled back shell and cable clamping plates: TV IP65



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
h	60	80	80	93	107	118	127	140
L	46	53	57	70	81	90	98	108
Ød	7-8	9-10. 5	9-10. 5	11.5-13.6	13-15.6	15.5-18.8	24-28	24-28

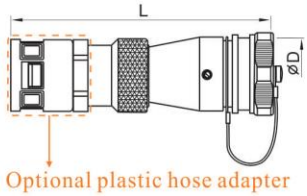


In-line receptacle for plastic-hose: ZBB IP55



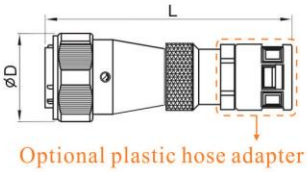
Dimension (mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	80	93	96	107
Adapter size	PG7	PG11	PG11	PG16
Hose size	1/4″	3/8″	3/8″	1/2″

In-line receptacle for plastic-hose: ZB IP55



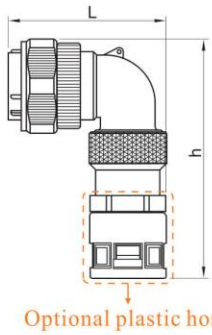
Dimension (mm)	WY32	WY40	WY48	WY55
D	35	44	52	59
L	123	134	139	155
Adapter size	PG21	PG29	I: PG29 II: PG36	PG36
Hose size	3/4″	1″	I: 1″ II: 1¼″	1¼″

Plug for plastic-hose: TB IP55



Dimension (mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	25	30	34	38.5	44.5	54	62	68.5
L	77	90	95	102	120	134	140	157
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

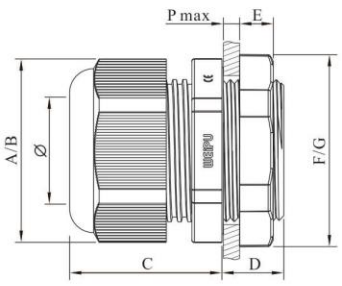


Dimension (mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
h	58	78	78	91	105	120	125	132
L	47	54	58	71	82	90	98	108
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	PG29	PG36
Hose size	1/4″	3/8″	3/8″	1/2″	3/4″	1″	1¼″	1¼″

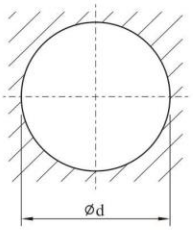

WEiPU
WEiPU



Cable gland



Panel cutout



Material	Nylon
Fire resistance	V-0
Seal	NBR
IP rating	IP68
Temperature	-40℃ +80℃
Color	grey(standard) black(special order)

AG PG	A Diagonal	B Parallel	C Max	D	E	F Diagonal	G Parallel	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

Crimp contact

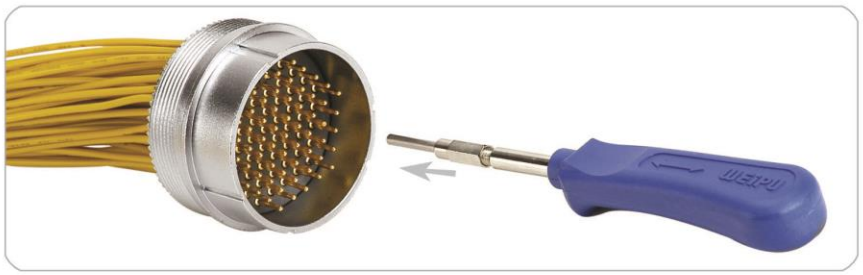




Crimp



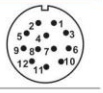
Insert

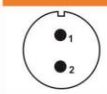
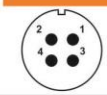
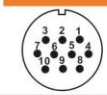
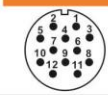
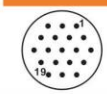


Remove

Solder contact spec

WS16、WF16、WY16	2	3	4	5	7	9	10
Male contact face view							
Rated current (A)	10	10	5	5	5	5	5
Contact diameter (mm)	1.5	1.5	1	1	1	1	1
Rated voltage (AC.V)	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/ AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

WS20、WF20、WY20	2	3	4	5	6	6B	7	9	12
Male contact face view									
Rated current (A)	25	25	25	10	25 5	30 5	10	5	5
Contact diameter (mm)	2.5	2.5	2.5	1.5	ø2.5X4 ø1X2	ø3X2 ø1X4	1.5	1	1
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200
Contact resistance (mΩ)	1	1	1	2.5	1 5	1 5	2.5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/ AWG)	≤4/11	≤4/11	≤4/11	≤2/14	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤2/14	≤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	25 5	10	10	30 5	5
Contact diameter (mm)	2.5	2.5	2.5	ø2.5X4 ø1X5	1.5	1.5	ø3X3 ø1X9	1
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	1 5	2.5	2.5	1 5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/ AWG)	≤4/11	≤4/11	≤4/11	≤4/11 ≤0.75/18	≤2/14	≤2/14	≤4/11 ≤0.75/18	≤0.75/18

WS28、WF28、WY28	2	3	4	7	8	9	10	10B	12	16	17	20	24	26
Male contact face view														
Rated current (A)	50	50	25	25	25	25 5	25	10	10	10	10	5	5	5
Contact diameter (mm)	3.5	3.5	2.5	2.5	2.5	ø2.5X4 ø1X5	2.5	1.5	1.5	1.5	1.5	1	1	1
Rated voltage (AC.V)	500	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	1200
Contact resistance (mΩ)	0.5	0.5	1	1	1	1 5	1	2.5	2.5	2.5	2.5	5	5	5
Insulation resistance (MΩ)	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 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤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	50 10	50 10	50 10	25 10	25	25	25	25 10	10
Contact diameter (mm)	3.5	Ø3.5X4 Ø1.5X2	Ø3.5X3 Ø1.5X5	Ø3.5X4 Ø1.5X4	Ø2.5X5 Ø1.5X5	2.5	2.5	2.5	Ø2.5X4 Ø1.5X9	1.5
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	0.5 2.5	0.5 2.5	0.5 2.5	1 2.5	1	1	1	1 2.5	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/ AWG)	≤10/7	≤10/7 ≤2/14	≤10/7 ≤2/14	≤10/7 ≤2/14	≤4/11 ≤2/14	≤4/11	≤4/11	≤4/11	≤4/11 ≤2/14	≤2/14

WS40、WF40、WY40	5	9	15	26	31	52
Male contact face view						
Rated current (A)	50	50 25	10	25 10	10	5
Contact diameter (mm)	3.5	Ø3.5X4 Ø2.5X5	1.5	Ø2.5X4 Ø1.5X22	1.5	1
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	0.5 1	2.5	1 2.5	2.5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000
Wire size (mm²/ AWG)	≤10/7	≤10/7 ≤4/11	≤2/14	≤4/11 ≤2/14	≤2/14	≤0.785/18

WS48、WF48、WY48	5	7	20	27	38	42
Male contact face view						
Rated current (A)	100	50	25	25 10	25 10	10
Contact diameter (mm)	5.5	3.5	2.5	Ø2.5X1 Ø1.5X26	Ø2.5X5 Ø1.5X33	1.5
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	1 2.5	1 2.5	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000
Wire size (mm²/ AWG)	≤25/3	≤10/7	≤4/11	≤4/11 ≤2/14	≤4/11 ≤2/14	≤2/14

WS55、WF55、WY55	4	7	40	53	61
Male contact face view					
Rated current (A)	50 150	50 100	25 10	25 10	10
Contact diameter (mm)	Ø3.5X1 Ø10X3	Ø3.5X1 Ø5.5X6	Ø2.5X15 Ø1.5X25	Ø2.5X5 Ø1.5X48	1.5
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	1 2.5	1 2.5	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000
Wire size (mm²/ AWG)	≤10/7 ≤70/(2/0)	≤10/7 ≤16/5	≤4/11 ≤2/14	≤4/11 ≤2/14	≤2/14

Crimp contact spec

SF16, SA16, SP17, SY17 WS16, WF16, WY16	2	3	4
Male contact face view			
Rated current (A)	10	10	5
Contact diameter (mm)	1.5	1.5	1
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)	2.5	2.5	2.5	1.5	1.5	1	1
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)	2.5	2.5	1.5	1
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 WS28, WF28, WY28	7	12	15	19
Male contact face view				
Rated current (A)	25	10	5	5
Contact diameter (mm)	2.5	1.5	1	1
Rated voltage (AC.V)	500	500	400	400
Test voltage(AC.V) 1 min	1500	1500	1200	1200
Contact resistance (mΩ)	1	2.5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000

Crimp contact spec

WS32、WF32、WY32	4	6	10	15	19
Male contact face view					
Rated current (A)	50	50 10	25	10	10
Contact diameter (mm)	3.5	∅3.5X4 ∅1.5X 2	2.5	1.5	1.5
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)	3.5	2.5	1.5
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)	2.5	1.5
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)	2.5	1.5
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

Crimp contact spec

5A Crimp contact

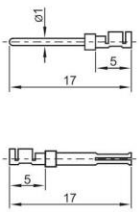
Stamped contact

Contact diameter: ⌀1

Material: Brass with gold plating

Contact resistance: 5mΩ





5A Male crimp contact

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

Wire size (mm²/AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
0.20-0.52 / 24-20	5.5	YJ1-17-0.52AU	CT-P20/28	RT-1.0

5A Female crimp contact

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

Wire size (mm²/AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
0.20-0.52 / 24-20	5.5	YK1-17-0.52AU	CT-P20/28	RT-1.0

10A Crimp contact

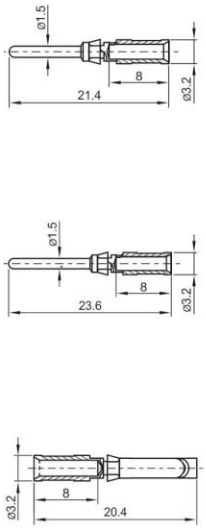
Machined contact

Contact diameter: ⌀1.5

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 (mm²/AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
0.14-0.37 / 26-22	8	YJ1.5-21.4-0.37AU	CT-0.14/4	RT-1.5
0.5 / 20	8	YJ1.5-21.4-0.5AU	CT-0.14/4	RT-1.5
0.75-1.0 / 18	8	YJ1.5-21.4-1.0AU	CT-0.14/4	RT-1.5
1.5 /16	8	YJ1.5-21.4-1.5AU	CT-0.14/4	RT-1.5
2.5 / 14	8	YJ1.5-21.4-2.5AU	CT-0.14/4	RT-1.5

10A Male crimp contact

For WS/WF/WY32-55

Wire size (mm²/AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
0.14-0.37 / 26-22	8	YJ1.5-23.6-0.37AU	CT-0.14/4	RT-1.5
0.5 / 20	8	YJ1.5-23.6-0.5AU	CT-0.14/4	RT-1.5
0.75-1.0 / 18	8	YJ1.5-23.6-1.0AU	CT-0.14/4	RT-1.5
1.5 / 16	8	YJ1.5-23.6-1.5AU	CT-0.14/4	RT-1.5
2.5 / 14	8	YJ1.5-23.6-2.5AU	CT-0.14/4	RT-1.5

10A Female crimp contact

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

Wire size (mm²/AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
0.14-0.37 / 26-22	8	YK1.5-20.4-0.37AU	CT-0.14/4	RT-1.5
0.5 / 20	8	YK1.5-20.4-0.5AU	CT-0.14/4	RT-1.5
0.75-1.0 / 18	8	YK1.5-20.4-1.0AU	CT-0.14/4	RT-1.5
1.5 / 16	8	YK1.5-20.4-1.5AU	CT-0.14/4	RT-1.5
2.5 / 14	8	YK1.5-20.4-2.5AU	CT-0.14/4	RT-1.5

10A Female crimp contact

For WS/WF/WY32-55

Wire size (mm²/AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
0.14-0.37 / 26-22	8	YK1.5-22.6-0.37AU	CT-0.14/4	RT-1.5
0.5 / 20	8	YK1.5-22.6-0.5AU	CT-0.14/4	RT-1.5
0.75-1.0 / 18	8	YK1.5-22.6-1.0AU	CT-0.14/4	RT-1.5
1.5 / 16	8	YK1.5-22.6-1.5AU	CT-0.14/4	RT-1.5
2.5 / 14	8	YK1.5-22.6-2.5AU	CT-0.14/4	RT-1.5

25A Crimp contact

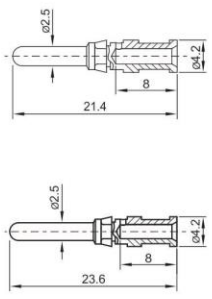
Machined contact

Contact diameter: ⌀2.5

Material: Brass with gold plating

Contact resistance: 1mΩ





25A Male crimp contact

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

Wire size (mm²/AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
0.75-1.0 / 18	8	YJ2.5-21.4-1.0AU	CT-0.14/4	RT-2.5
1.5 / 16	8	YJ2.5-21.4-1.5AU	CT-0.14/4	RT-2.5
2.5 / 14	8	YJ2.5-21.4-2.5AU	CT-0.14/4	RT-2.5
4.0 / 12	8	YJ2.5-21.4-4.0AU	CT-0.14/4 CT-4/10	RT-2.5

25A Male crimp contact

For WS/WF/WY32-55

Wire size (mm²/AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
0.75-1.0 / 18	8	YJ2.5-23.6-1.0AU	CT-0.14/4	RT-2.5
1.5 / 16	8	YJ2.5-23.6-1.5AU	CT-0.14/4	RT-2.5
2.5 / 14	8	YJ2.5-23.6-2.5AU	CT-0.14/4	RT-2.5
4.0 / 12	8	YJ2.5-23.6-4.0AU	CT-0.14/4 CT-4/10	RT-2.5

Crimp contact spec

25A Crimp contact

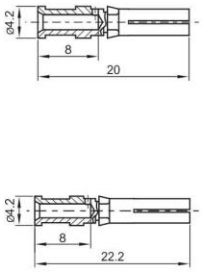
Machined contact

Contact diameter: ∅2.5

Material: Brass with gold plating

Contact resistance:1mΩ





25A Female crimp contact

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

Wire size (mm^2/ AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
0.75-1.0 / 18	8	YK2.5-20-1.0AU	CT-0.14/4	RT-2.5
1.5 / 16	8	YK2.5-20-1.5AU	CT-0.14/4	RT-2.5
2.5 / 14	8	YK2.5-20-2.5AU	CT-0.14/4	RT-2.5
4.0 / 12	8	YK2.5-20-4.0AU	CT-0.14/4 CT-4/10	RT-2.5

25A Female crimp contact

For WS/WF/WY32-55

Wire size (mm^2/ AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
0.75-1.0 / 18	8	YK2.5-22.2-1.0AU	CT-0.14/4	RT-2.5
1.5 / 16	8	YK2.5-22.2-1.5AU	CT-0.14/4	RT-2.5
2.5 / 14	8	YK2.5-22.2-2.5AU	CT-0.14/4	RT-2.5
4.0 / 12	8	YK2.5-22.2-4.0AU	CT-0.14/4 CT-4/10	RT-2.5

50A Crimp contact

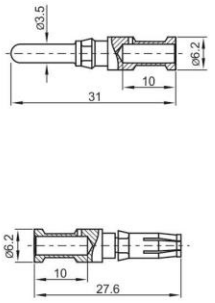
Machined contact

Contact diameter: Ø3.5

Material:copper

Contact resistance:0.5mΩ





50A Male crimp contact

For WS/WF/WY32-55

Wire size (mm^2/ AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
1.5 / 16	10	YJ3.5-31-1.5AU	CT-0.14/4	RT-3.5
2.5 / 14	10	YJ3.5-31-2.5AU	CT-0.14/4	RT-3.5
4.0 / 12	10	YJ3.5-31-4.0AU	CT-0.14/4 CT-4/10	RT-3.5
6.0 / 10	10	YJ3.5-31-6.0AU	CT-4/10	RT-3.5
10.0 / 7	10	YJ3.5-31-10.0AU	CT-4/10	RT-3.5

50A Female crimp contact

For WS/WF/WY32-55

Wire size (mm^2/ AWG)	Strip length (mm)	Part number	Crimping tool p/n	Removal tool p/n
1.5 / 16	10	YK3.5-27.6-1.5AU	CT-0.14/4	RT-3.5
2.5 / 14	10	YK3.5-27.6-2.5AU	CT-0.14/4	RT-3.5
4.0 / 12	10	YK3.5-27.6-4.0AU	CT-0.14/4 CT-4/10	RT-3.5
6.0 / 10	10	YK3.5-27.6-6.0AU	CT-4/10	RT-3.5
10.0 / 7	10	YK3.5-27.6-10.0AU	CT-4/10	RT-3.5

Crimp tool and Removal tool

Crimp tool



Part number	Crimp wire range (mm^2/ AWG)
CT-P20/28	0.08-0.52 / 28-20
CT-0.14/4	0.14-4.0 / 26-12
CT-4/10	4.0-10.0 / 12-7

Removal tool



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



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