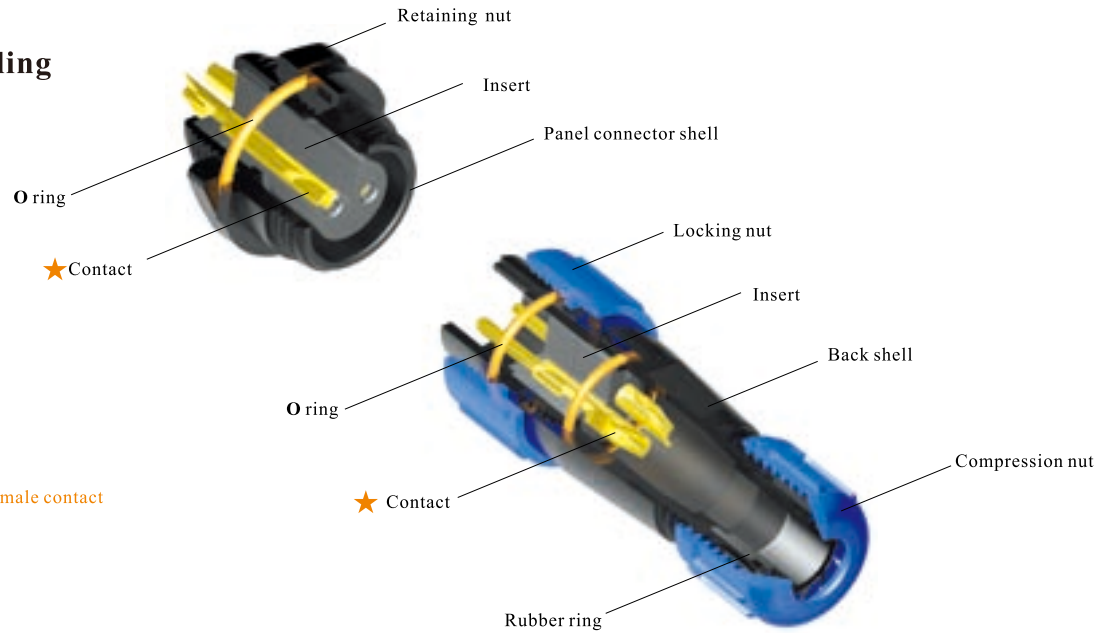




- SP Series IP68
- Threaded coupling



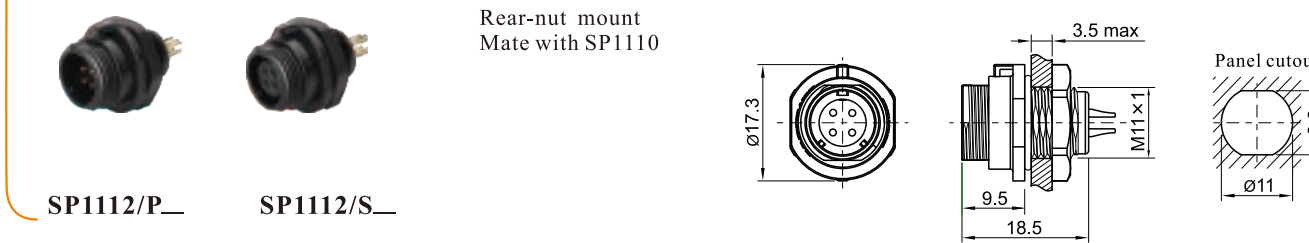
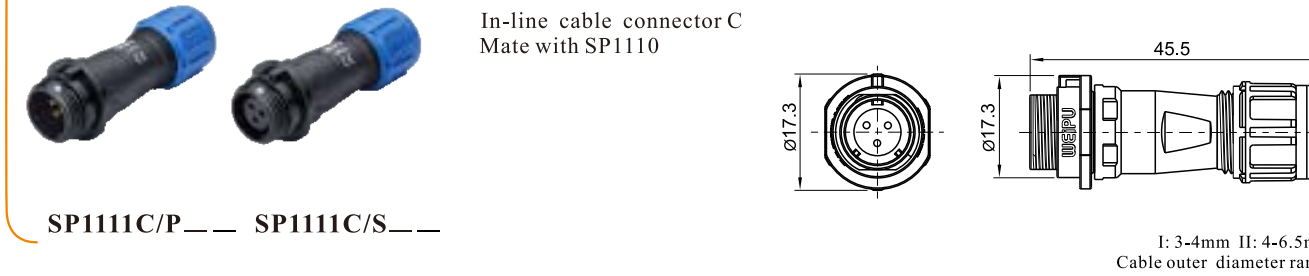
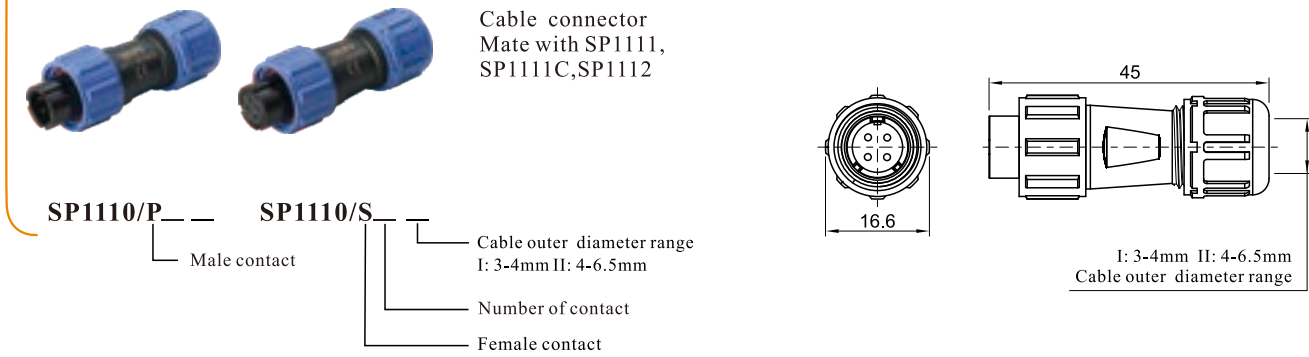
★ Each side can be male or female contact

Material and spec

Coupling	Threaded	
Shell material	PC, Nylon66, fire resistance: V-0	
Insert material	PPS, max temperature 260 °C	
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)	
Cable outer diameter range	SP11: I: 3-4mm, II: 4-6.5mm SP13 I: 4-6.5mm, II: 5-8mm SP17: 6-10mm	SP21: I: 4.5-7mm, II: 7-12mm ,III: 5-9mm SP29: I: 9-13mm, II: 13-16mm
IP rating	IP68	
Mating cycle	500	
Temperature range	-40℃~+85℃	
Insulation resistance	2000 MΩ	

SP11 Series

SP
11



Solder contact spec

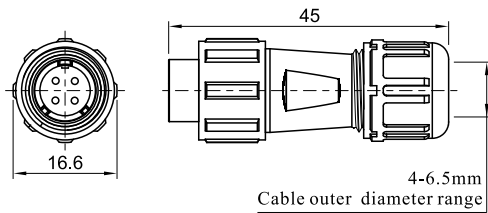
Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter(mm)	Ø1×2	Ø1×3	Ø0.7×4	Ø0.7×5
Rated voltage (AC.V)	180	180	125	125
Test voltage(AC.V) 1 min	1000	1000	1000	1000
Contact resistance(mΩ)	5	5	10	10
Wire size (mm²/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

SP11 Series

SP
11



Cable connector
Mate with SP1111, SP1112

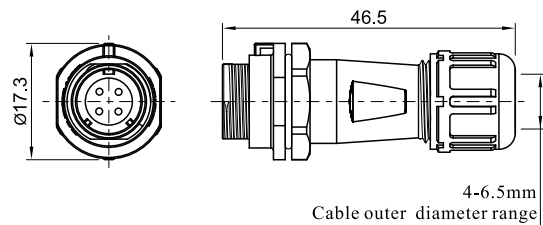


SP1110/P — Male contact
SP1110/S — Female contact

(CU):
Colour: All black
Number of contact
Female contact



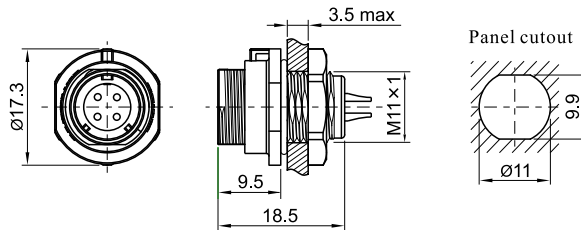
In-line cable connector
Mate with SP1110



SP1111/P — Male contact
SP1111/S — Female contact



Rear-nut mount
Mate with SP1110



SP1112/P — Male contact
SP1112/S — Female contact

Solder contact spec

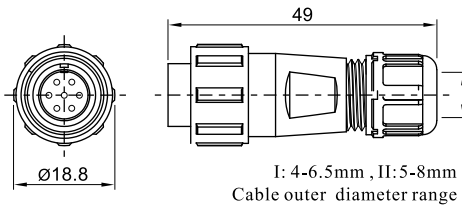
Number of contact	4	5
Male contact face view		
Rated current (A)	3	3
Contact diameter(mm)	Ø0.7×4	Ø0.7×5
Rated voltage (AC.V)	125	125
Test voltage(AC.V) 1 min	1000	1000
Contact resistance(mΩ)	10	10
Wire size (AWG)	20	20

SP13 Series

SP
13



Cable connector
Mate with SP1311,SP1311C,SP1312

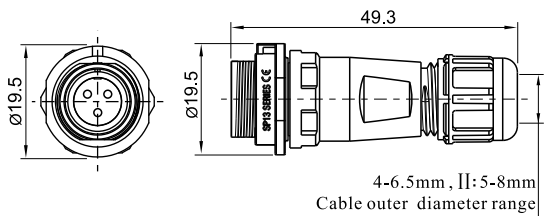


SP1310 / P — Male contact
SP1310 / S — Female contact

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



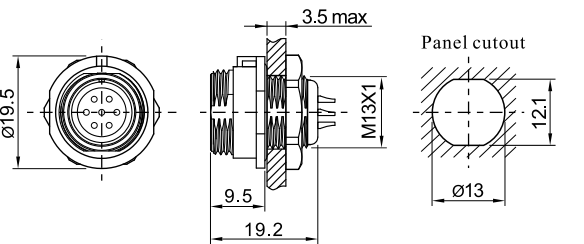
In-line cable connector C
Mate with SP1310



SP1311C / P — Male contact
SP1311C / S — Female contact



Rear-nut mount
Mate with SP1310

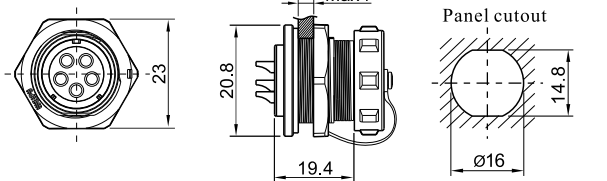


SP1312 / P — Male contact
SP1312 / S — Female contact

Number of contact



Front-nut mount
Mate with SP1310



SP1315 / P — Male contact
SP1315 / S — Female contact

Solder contact spec

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

SP13 Series



SP1310 / P — — SP1310 / S — —

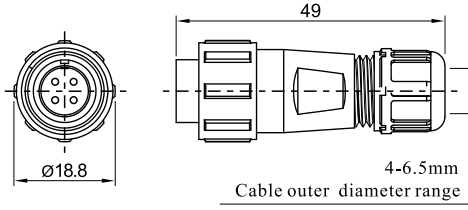
Male contact Female contact

Cable connector
Mate with SP1311,SP1312

(CU):  
Colour: All black

Number of contact

Female contact



49

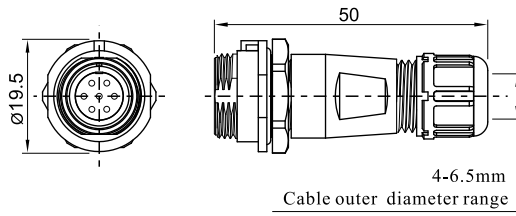
4-6.5mm
Cable outer diameter range

Ø18.8



SP1311 / P — — SP1311 / S — —

In-line cable connector
Mate with SP1310



50

4-6.5mm
Cable outer diameter range

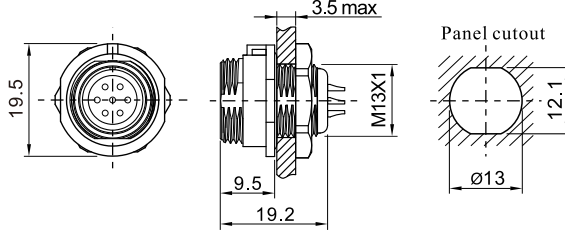
Ø19.5



SP1312 / P — — SP1312 / S — —

Rear-nut mount
Mate with SP1310

(CU):  
Number of contact



3.5 max

Panel cutout

12.1

Ø13

19.2

9.5

M13X1

19.5

Solder contact spec

Number of contact	4	5	6	7	9
Male contact face view					
Rated current (A)	5	5	5	5	3
Contact diameter (mm)	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
Rated voltage (AC.V)	300	300	300	300	125
Test voltage(AC.V) 1 min	1500	1000	1000	1000	1000
Contact resistance (mΩ)	5	5	5	5	10
Wire size (AWG)	20	20	20	20	20

SP17 Series



SP1710 / P — — SP1710 / S — —

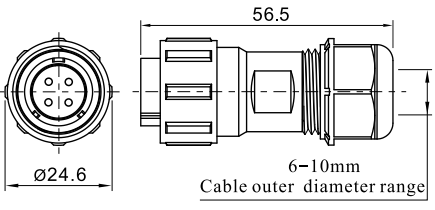
Male contact Female contact

Cable connector
Mate with SP1711,SP1711C,SP1712

1: solder, 3: crimp

Number of contact

Female contact



56.5

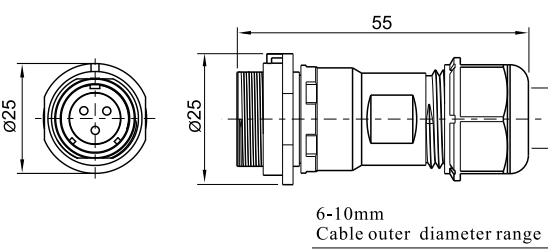
6-10mm
Cable outer diameter range

Ø24.6



SP1711C / P — — SP1711C / S — —

In-line cable connector C
Mate with SP1710



55

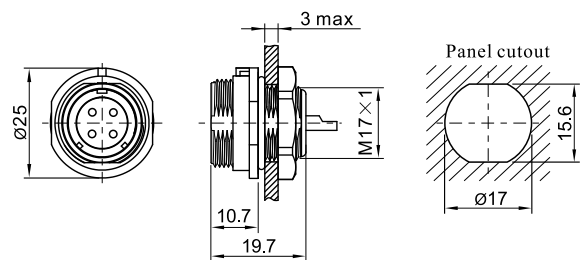
6-10mm
Cable outer diameter range

Ø25



SP1712 / P — — SP1712 / S — —

Rear-nut mount
Mate with SP1710



3 max

Panel cutout

15.6

Ø17

19.7

10.7

M17X1

Ø25

Solder contact spec

Number of contact	2	3	4	2B	3B	4B	5	7	9	10
Male contact face view										
Rated current (A)	10	10	5	15	15	15	5	5	5	5
Contact diameter(mm)	Ø1.5X2	Ø1.5X3	Ø1X4	Ø2X2	Ø2X3	Ø2X4	Ø1X5	Ø1X7	Ø1X9	Ø1X10
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Wire size (mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

★Crimp contact spec see P23/01-05

SP17 Series

SP
17



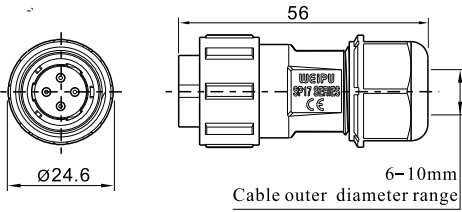
Screw contact cable connector B
Mate with SP1711,SP1712

SP1710 / P__-9

SP1710 / S__-9

Male contact

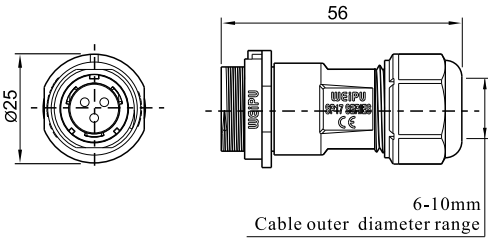
Number of contact
Female contact



Screw contact in-line cable connector B
Mate with SP1710

SP1711 / P__-9

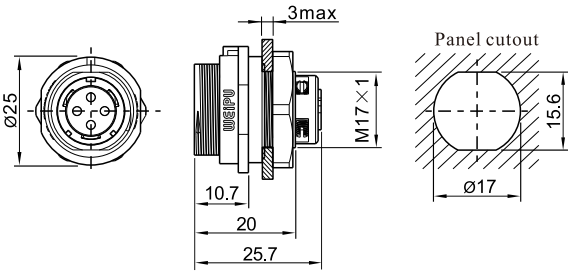
SP1711 / S__-9



Screw contact rear-nut mount B
Mate with SP1710

SP1712 / P__-9

SP1712 / S__-9



Screw contact spec

Number of contact	2B	3B	4B
Male contact face view			
Rated current (A)	15	15	15
Contact diameter(mm)	Ø2X2	Ø2X3	Ø2X4
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance (mΩ)	2.5	2.5	2.5
Wire size (mm²/AWG)	Min: 0.75/18≤ Max: ≤2/14	Min: 0.75/18≤ Max: ≤2/14	Min: 0.75/18≤ Max: ≤2/14

SP21 Series

SP
21



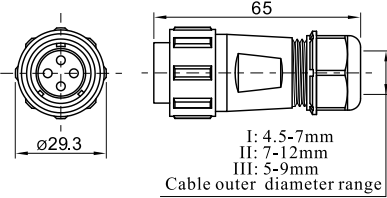
Cable connector
Mate with SP2111, SP2111C,
SP2112, SP 2113

SP2110 / P__-__

SP2110 / S__-__

Male contact
Female contact

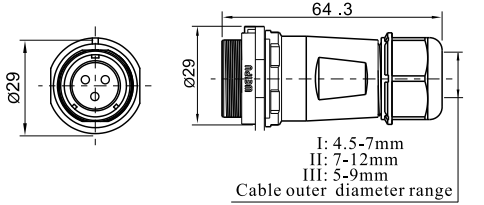
1: solder, 2: screw, 3: crimp
I: 4.5-7mm, II: 7-12mm,III: 5-9mm
Number of contact



In-line cable connector C
Mate with SP2110, SP2116

SP2111C / P__-__

SP2111C / S__-__

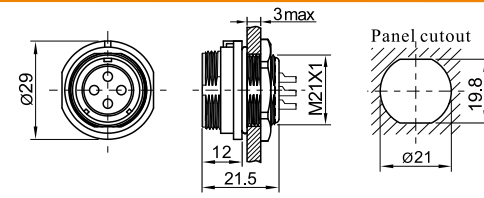


Rear-nut mount
Mate with SP2110, SP2116

SP2112 / P__-__

SP2112 / S__-__

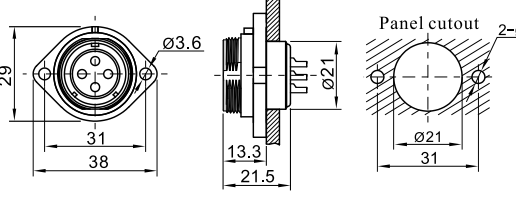
Number of contact
1:solder, 2:screw, 3:crimp



2-hole flange
Mate with SP2110, SP2116

SP2113 / P__-__

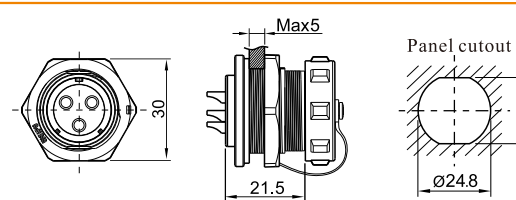
SP2113 / S__-__



Front-nut mount
Mate with SP2110, SP2116

SP2115 / P__-__

SP2115 / S__-__

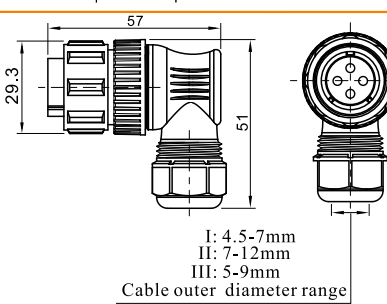


Angled cable connector
Mate with SP2111, SP2112, SP2113

SP2116 / P__-__

SP2116 / S__-__

1: solder, 2: screw, 3: crimp
Number of contact
I: 4.5-7mm, II: 7-12mm,III: 5-9mm



Solder contact spec

★Crimp contact spec see P23/01-05 ★Screw contact spec see P24/01-02

Number of contact	2	3	4	5	5B	5C	6	6B	7	8	9	12	15
Male contact face view													
Rated current (A)	30	30	30	30	30 5	15	25 5	30 5	15	10	5	5	5
Contact diameter (mm)	Ø3X2	Ø3X3	Ø3X4	Ø3X5	Ø3X2 Ø1X3	Ø2X5	Ø2.5X4 Ø1X2	Ø3X2 Ø1X4	Ø2X7	Ø1.5X8	Ø1X9	Ø1X12	Ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	1	1	1	1	1 5	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder / screw	solder	solder	solder / screw	solder	solder	solder	solder
Wire size for solder (mm² / AWG)	≤4/12	≤4/12	≤4/12	≤4/12	≤4/12 ≤0.75/18	≤2/14	≤4/12 ≤0.75/18	≤4/12 ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/	/

SP21 Series

SP
21



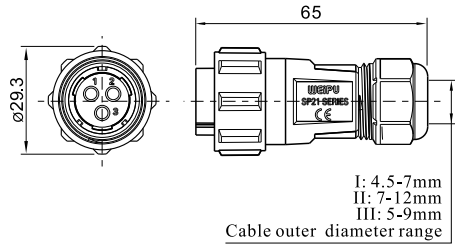
Screw contact cable connector B
Mate with SP2111, SP2112

SP2110 / P__-9 SP2110 / S__-9

Male contact

Female contact

Cable outer diameter range
I: 4.5-7mm, II: 7-12mm III: 5-9mm
Number of contact



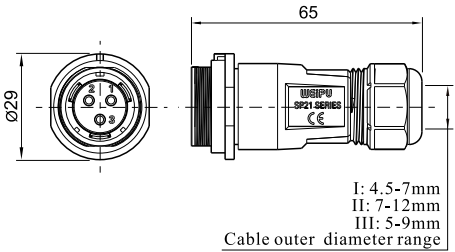
I: 4.5-7mm
II: 7-12mm
III: 5-9mm
Cable outer diameter range

06



Screw contact in-line cable connector B
Mate with SP2110

SP2111 / P__-9 SP2111 / S__-9



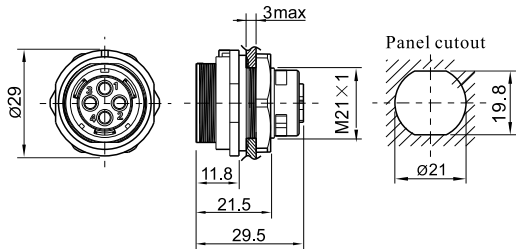
I: 4.5-7mm
II: 7-12mm
III: 5-9mm
Cable outer diameter range



Screw contact rear-nut mount B
Mate with SP2110

SP2112 / P__-9 SP2112 / S__-9

Number of contact



Screw contact spec

★Screw contact spec see P24/01-02

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	30	30	30	30
Contact diameter (mm)	ø3X2	ø3X3	ø3X4	ø3X5
Rated voltage (AC.V)	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500
Contact resistance (mΩ)	1	1	1	1
Wire size for screw termination (mm ² / AWG)	0.75/18≤Min Max≤4/12	0.75/18≤Min Max≤4/12	0.75/18≤Min Max≤4/12	0.75/18≤Min Max≤4/12

SP21 Series

SP
21



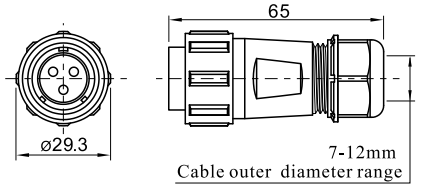
Cable connector
Mate with SP2111, SP2112, SP2113

SP2110 / P__ SP2110 / S__

Male contact

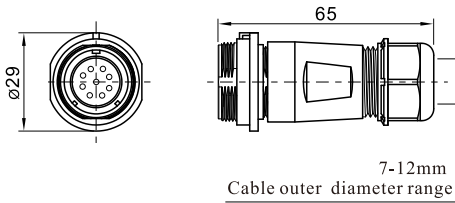
Female contact

(U): (CU):
Colour: All black
Number of contact



In-line cable connector
Mate with SP2110

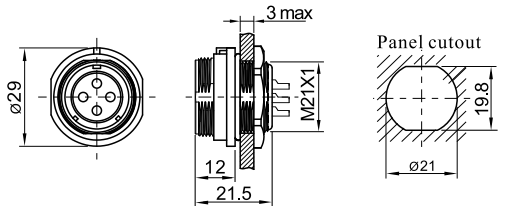
SP2111 / P__ SP2111 / S__



Rear-nut mount
Mate with SP2110

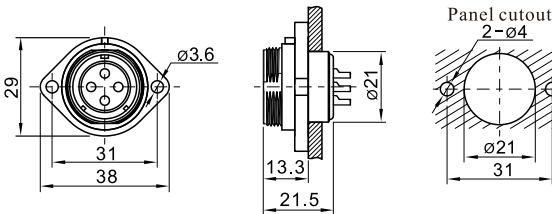
SP2112 / P__ SP2112 / S__

(U): (CU):
Number of contact



2-hole flange
Mate with SP2110

SP2113 / P__ SP2113 / S__



Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	30 20	30 20	30 20	30 20
Contact diameter (mm)	ø3X2	ø3X3	ø3X4	ø3X5
Rated voltage (AC.V)	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500
Contact resistance (mΩ)	1	1	1	1
Termination	solder	solder	solder	solder
Wire size for solder (AWG)	12	12	12	12

06

SP
29

I: 9-13mm
II: 13-16mm
Cable outer diameter range

SP2910 / P__-__ SI

SP2910 / S_

– 1:solder, 2:screw, 3:crimp

- Cable outer diameter range
I: 9-13mm II: 13-16mm

- Number of contact

- Female contact

I: 9-13mm
II: 13-16mm
Cable outer diameter range



Technical drawing of the cable gland showing top and side views with dimensions:

- Top view: Diameter $\varnothing 39$.
- Side view: Total length 69.7, diameter $\varnothing 39$.
- Dimensions for cable diameter range:
 - I: 9-13mm
 - II: 13-16mm
- Label: Cable outer diameter range

SP2911C / P__-__ SP2911C / S__-__

SP2911C / S__-__



Technical drawing of the M29x1.25 nut, showing three views: front, side, and panel cutout detail.

- Front View:** Shows the hexagonal base with a diameter of $\varnothing 38.8$ mm. The base has four mounting holes.
- Side View:** Shows the nut's profile with a maximum height of 2 mm. The base thickness is 11.7 mm, and the total height is 21.5 mm. The thread is M29x1.25.
- Panel Cutout Detail:** Shows the required cutout shape in a panel, with a diameter of $\varnothing 29.2$ mm and a height of 26.8 mm.

SP2912 / P__-__

SP2912 / S____

– 1:solder, 2:screw, 3:crimp

- Number of contact



SP2913 / P__-__

SP2913 / S__-__

★Crimp contact spec see P23/01-05 ★Screw contact spec see P24/01-02

Number of contact	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60、5	25.5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	Ø3.5X2	Ø3.5X3	Ø2.5X4	Ø2.5X7	Ø2.5X8	Ø5X2 Ø1X6	Ø2.5X4 Ø1X5	Ø2.5X10	Ø1.5X10	Ø1.5X12	Ø1.5X16	Ø1.5X17	Ø1X20	Ø1X24	Ø1X26	Ø1X35
Rated voltage (AC.V)	500	500	500	500	500	500 400	500	500	500	500	500	500	400	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
Contact resistance(mΩ)	0.5	0.5	1	1	1	0.5、5	1、5	1	2.5	2.5	2.5	2.5	5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size (mm²/ AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/



SF16, SA16, SP17, SY17 WS16, WF16, WY16	2	3	4
Male contact face view			
Rated current (A)	10	10	5
Contact diameter(mm)	Ø1.5X2	Ø1.5X3	Ø1X4
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)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1.5X5	Ø1.5X7	Ø1X7	Ø1X8
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)	Ø2.5X4	Ø2.5X5	Ø1.5X9	Ø1X12
Rated voltage (AC.V)	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1200
Contact resistance(mΩ)	1	1	2.5	5
Insulation resistance (MΩ)	2000	2000	2000	2000

SA28, SP29, SY29 WS28, WF28, WY28	2	3	7	12	15	19
Male contact face view						
Rated current (A)	50	50	25	10	5	5
Contact diameter(mm)	Ø3.5X2	Ø3.5X3	Ø2.5X7	Ø1.5X12	Ø1X15	Ø1X19
Rated voltage (AC.V)	500	500	500	500	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1200	1200
Contact resistance(mΩ)	0.5	0.5	1	2.5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000

WS32、WF32、WY32	4	6	10	15	19
Male contact face view					
Rated current (A)	50	50 10	25	10	10
Contact diameter(mm)	Ø3.5X4	Ø3.5X4 Ø1.5X 2	Ø2.5X10	Ø1.5X15	Ø1.5X19
Rated voltage (AC.V)	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.5	0.5 2.5	1	2.5	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000

WS40、WF40、WY40	5	19	31
Male contact face view			
Rated current (A)	50	25	10
Contact diameter(mm)	Ø3.5X5	Ø2.5X19	Ø1.5X31
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance(mΩ)	0.5	1	2.5
Insulation resistance (MΩ)	2000	2000	2000

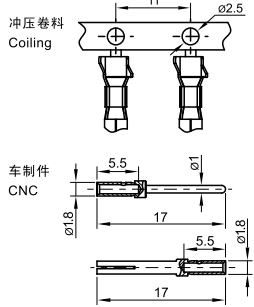
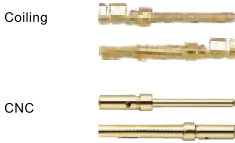
WS48、WF48、WY48	31	42
Male contact face view		
Rated current (A)	25	10
Contact diameter(mm)	Ø2.5X31	Ø1.5X42
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	1	2.5
Insulation resistance (MΩ)	2000	2000

WS55、WF55、WY55	38	61
Male contact face view		
Rated current (A)	25	10
Contact diameter(mm)	Ø2.5X38	Ø1.5X61
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	1	2.5
Insulation resistance (MΩ)	2000	2000

Crimp contact

5A Crimp contact

- ※ Contact diameter: Ø1
- ※ Material: Brass with gold plating
- ※ Contact resistance: 5mΩ

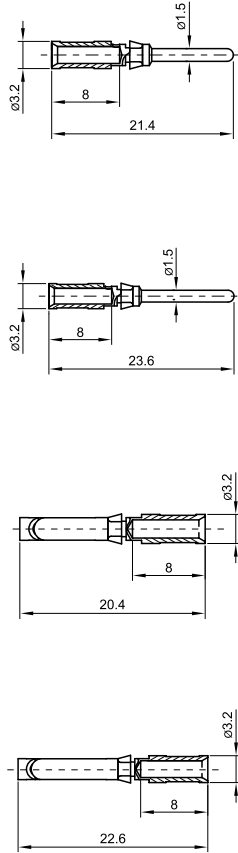


5A Male crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm ² AWG 24-20		5.5mm	YJ1-17-0.52AU-C YJ1-17-0.52AU	CT-P20/28	RT-1.0

5A Female crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm ² AWG 24-20		5.5mm	YK1-17-0.52AU-C YK1-17-0.52AU	CT-P20/28	RT-1.0

10A Crimp contact

- ※ Contact diameter: Ø1.5
- ※ Material: Brass with gold plating
- ※ Contact resistance: 2.5mΩ



10A Male crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22		8mm	YJ1.5-21.4-0.37AU	CT-P20/28	RT-1.5
0.5mm ² AWG 20		8mm	YJ1.5-21.4-0.5AU	CT-P20/28	RT-1.5
0.75-1.0mm ² AWG 18		8mm	YJ1.5-21.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16		8mm	YJ1.5-21.4-1.5AU	CTW-0.14/4	RT-1.5
2.5mm ² AWG 14		8mm	YJ1.5-21.4-2.5AU	CTW-0.14/4	RT-1.5

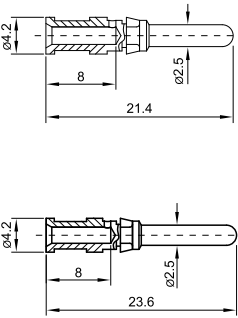
10A Male crimp contact					For WS/WF/WY32-55
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22		8mm	YJ1.5-23.6-0.37AU	CT-P20/28	RT-1.5
0.5mm ² AWG 20		8mm	YJ1.5-23.6-0.5AU	CT-P20/28	RT-1.5
0.75-1.0mm ² AWG 18		8mm	YJ1.5-23.6-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16		8mm	YJ1.5-23.6-1.5AU	CTW-0.14/4	RT-1.5
2.5mm ² AWG 14		8mm	YJ1.5-23.6-2.5AU	CTW-0.14/4	RT-1.5

10A Female crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22		8mm	YK1.5-20.4-0.37AU	CT-P20/28	RT-1.5
0.5mm ² AWG 20		8mm	YK1.5-20.4-0.5AU	CT-P20/28	RT-1.5
0.75-1.0mm ² AWG 18		8mm	YK1.5-20.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16		8mm	YK1.5-20.4-1.5AU	CTW-0.14/4	RT-1.5
2.5mm ² AWG 14		8mm	YK1.5-20.4-2.5AU	CTW-0.14/4	RT-1.5

10A Female crimp contact					For WS/WF/WY32-55
Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22		8mm	YK1.5-22.6-0.37AU	CT-P20/28	RT-1.5
0.5mm ² AWG 20		8mm	YK1.5-22.6-0.5AU	CT-P20/28	RT-1.5
0.75-1.0mm ² AWG 18		8mm	YK1.5-22.6-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16		8mm	YK1.5-22.6-1.5AU	CTW-0.14/4	RT-1.5
2.5mm ² AWG 14		8mm	YK1.5-22.6-2.5AU	CTW-0.14/4	RT-1.5

25A Crimp contact

- ※ Contact diameter: Ø2.5
- ※ Material: Brass with gold plating
- ※ Contact resistance: 1mΩ



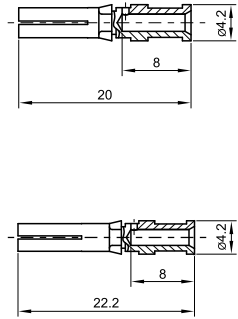
25A Male crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18		8mm	YJ2.5-21.4-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16		8mm	YJ2.5-21.4-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14		8mm	YJ2.5-21.4-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12		8mm	YJ2.5-21.4-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

25A Male crimp contact					For WS/WF/WY32-55
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18		8mm	YJ2.5-23.6-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16		8mm	YJ2.5-23.6-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14		8mm	YJ2.5-23.6-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12		8mm	YJ2.5-23.6-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

Crimp contact

25A Crimp contact

- ※ Contact diameter: Ø2.5
- ※ Material: Brass with gold plating
- ※ Contact resistance: 1mΩ

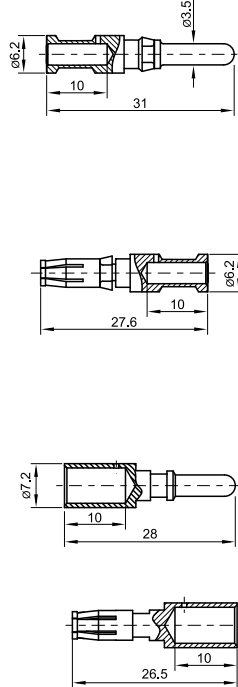


25A Female crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18		8mm	YK2.5-20-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16		8mm	YK2.5-20-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14		8mm	YK2.5-20-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12		8mm	YK2.5-20-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

25A Female crimp contact					For WS/WF/WY32-55
Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18		8mm	YK2.5-22.2-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16		8mm	YK2.5-22.2-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14		8mm	YK2.5-22.2-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12		8mm	YK2.5-22.2-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

50A Crimp contact

- ※ Contact diameter: Ø3.5
- ※ Material: copper
- ※ Contact resistance: 0.5mΩ



50A Male crimp contact					For WS/WF/WY32-55
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
1.5mm ² AWG 16		10mm	YJ3.5-31-1.5AU	CTW-0.14/4	RT-3.5
2.5mm ² AWG 14		10mm	YJ3.5-31-2.5AU	CTW-0.14/4	RT-3.5
4.0mm ² AWG 12		10mm	YJ3.5-31-4.0AU	CTW-0.14/4 CT-4/10	RT-3.5
6.0mm ² AWG 10		10mm	YJ3.5-31-6.0AU	CT-4/10	RT-3.5
10.0mm ² AWG 7		10mm	YJ3.5-31-10.0AU	CT-4/10	RT-3.5

50A Female crimp contact					For WS/WF/WY32-55
Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
1.5mm ² AWG 16		10mm	YK3.5-27.6-1.5AU	CTW-0.14/4	RT-3.5
2.5mm ² AWG 14		10mm	YK3.5-27.6-2.5AU	CTW-0.14/4	RT-3.5
4.0mm ² AWG 12		10mm	YK3.5-27.6-4.0AU	CTW-0.14/4 CT-4/10	RT-3.5
6.0mm ² AWG 10		10mm	YK3.5-27.6-6.0AU	CT-4/10	RT-3.5
10.0mm ² AWG 7		10mm	YK3.5-27.6-10.0AU	CT-4/10	RT-3.5

50A Male crimp contact p/n					For SP29, SY29, WS/WF/WY28 2 and 3 pins
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
10mm ² AWG 7		10mm	YJ3.5-28-10.0AU	CT-4/10	RT-3.5
16mm ² AWG 5		10mm	YJ3.5-28-16.0AU	CT-4/10	RT-3.5

50A Female crimp contact					For SP29, SY29, WS/WF/WY28 2 and 3 pins
Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
10mm ² AWG 7		10mm	YK3.5-26.5-10.0AU	CT-4/10	RT-3.5
16mm ² AWG 5		10mm	YK3.5-26.5-16.0AU	CT-4/10	RT-3.5

Crimp tool and Removal tool

Crimp tool

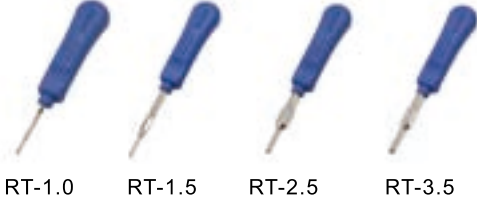
For crimping the male / female contacts



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

Removal tool

For taking out male / female contacts



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

Screw contact spec

SF20, SA20, WS20, WF20, WY20	2	3	4
Male contact face view			
Rated current (A)	10	10	10
Contact diameter(mm)	ø2.5X2	ø2.5X3	ø2.5X4
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance (mΩ)	1	1	1
Wire size (mm² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15

SP21, SY21, WP20	2	3	4	5
Male contact face view				
Rated current (A)	10	10	10	10
Contact diameter(mm)	ø3×2	ø3×3	ø3×4	ø3×5
Rated voltage (AC.V)	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500
Contact resistance (mΩ)	1	1	1	1
Wire size (mm² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15

SA24,WS24,WF24, WY24	2	3	4
Male contact face view			
Rated current (A)	10	10	10
Contact diameter(mm)	ø2.5X2	ø2.5X3	ø2.5X4
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance (mΩ)	1	1	1
Wire size (mm² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15

SA28, SP29, SY29 WS28, WF28, WY28	2	3	4	7	8	10
Male contact face view						
Rated current (A)	32	32	10	10	10	10
Contact diameter(mm)	ø3.5X2	ø3.5X3	ø2.5X4	ø2.5X7	ø2.5X8	ø2.5X10
Rated voltage (AC.V)	500	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.5	0.5	1	1	1	1
Wire size (mm² / AWG)	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15

Screw contact spec

WS32、WF32、WY32	4	10B	11	12
Male contact face view				
Rated current (A)	32	10	10	10
Contact diameter(mm)	ø3.5X4	ø2.5X10	ø2.5X11	ø2.5X12
Rated voltage (AC.V)	500V	500V	500V	500V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V
Contact resistance(mΩ)	0.5	1	1	1
Insulation resistance (MΩ)	2000	2000	2000	2000
Wire size (mm²/AWG)	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15

WS40、WF40、WY40	5	9
Male contact face view		
Rated current (A)	32	10 32
Contact diameter(mm)	ø3.5X5	ø2.5X5 ø3.5X4
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	0.5	1 0.5
Insulation resistance (MΩ)	2000	2000
Wire size (mm²/AWG)	≤6/10	≤1.5/15 ≤6/10

WS48、WF48、WY48	7	20
Male contact face view		
Rated current (A)	32	10
Contact diameter(mm)	ø3.5X7	ø2.5X20
Rated voltage (AC V)	500	500
Test voltage(AC V) 1 min	1500	1500
Contact resistance(mΩ)	0.5	1
Insulation resistance (MΩ)	2000	2000
Wire size (mm²/AWG)	≤6/10	≤1.5/15

Solder connect to crimp

SF16, SA16, SP17, SY17 WS16, WF16, WY16	2	3
Male contact face view		
Rated current (A)	10	10
Contact diameter(mm)	ø1.5X2	ø1.5X3
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	2.5	2.5
Insulation resistance (MΩ)	2000	2000

SF20, SA20, WS20, WF20, WY20	2	3	4	5	7
Male contact face view					
Rated current (A)	25	25	25	10	10
Contact diameter(mm)	ø2.5X2	ø2.5X3	ø2.5X4	ø1.5X5	ø1.5X7
Rated voltage (AC.V)	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500
Contact resistance(mΩ)	1	1	1	2.5	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000

SA28, WS28, WF28, WY28	7
Male contact face view	
Rated current (A)	25
Contact diameter(mm)	ø2.5X7
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	1
Insulation resistance (MΩ)	2000

WS32, WF32, WY32	4	19
Male contact face view		
Rated current (A)	50	10
Contact diameter(mm)	ø3.5X4	ø1.5X19
Rated voltage (AC.V)	500	500
Test voltage(AC V) 1 min	1500	1500
Contact resistance(mΩ)	0.5	2.5
Insulation resistance (MΩ)	2000	2000

WS40, WF40, WY40	31
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	ø1.5X31
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	2.5
Insulation resistance (MΩ)	2000

Solder connect to crimp

WS48, WF48, WY48	42
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	ø1.5X42
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	2.5
Insulation resistance (MΩ)	2000

WS55, WF55, WY55	61
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	ø1.5X61
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	2.5
Insulation resistance (MΩ)	2000

Screw connect to crimp

SF20, SA20, WS20, WF20, WY20	2	3
Male contact face view		
Rated current (A)	10	10
Contact diameter(mm)	ø2.5X2	ø2.5X3
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	1	1
Insulation resistance (MΩ)	2000	2000

SA28, WS28, WF28, WY28	7
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	ø2.5X7
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	1
Insulation resistance (MΩ)	2000

WS32, WF32, WY32	4
Male contact face view	
Rated current (A)	32
Contact diameter(mm)	ø3.5X4
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	0.5
Insulation resistance (MΩ)	2000