



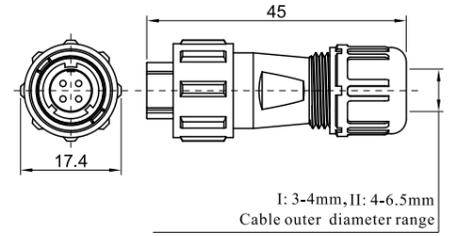
**SY11 Series**



Cable connector  
Mate with SY1111,  
SY1111C,SY1112

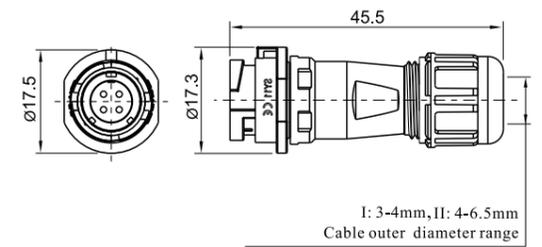
SY1110 / P — Male contact  
SY1110 / S — Female contact

Cable outer diameter range  
I: 3-4mm II: 4-6.5mm  
Number of contact  
Female contact



In-line cable connector C  
Mate with SY1110

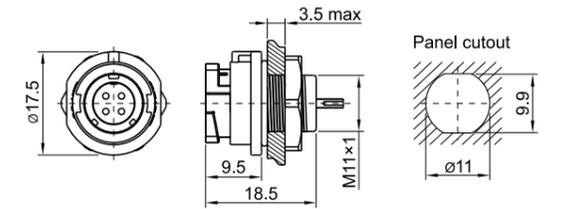
SY1111C / P — SY1111C / S —



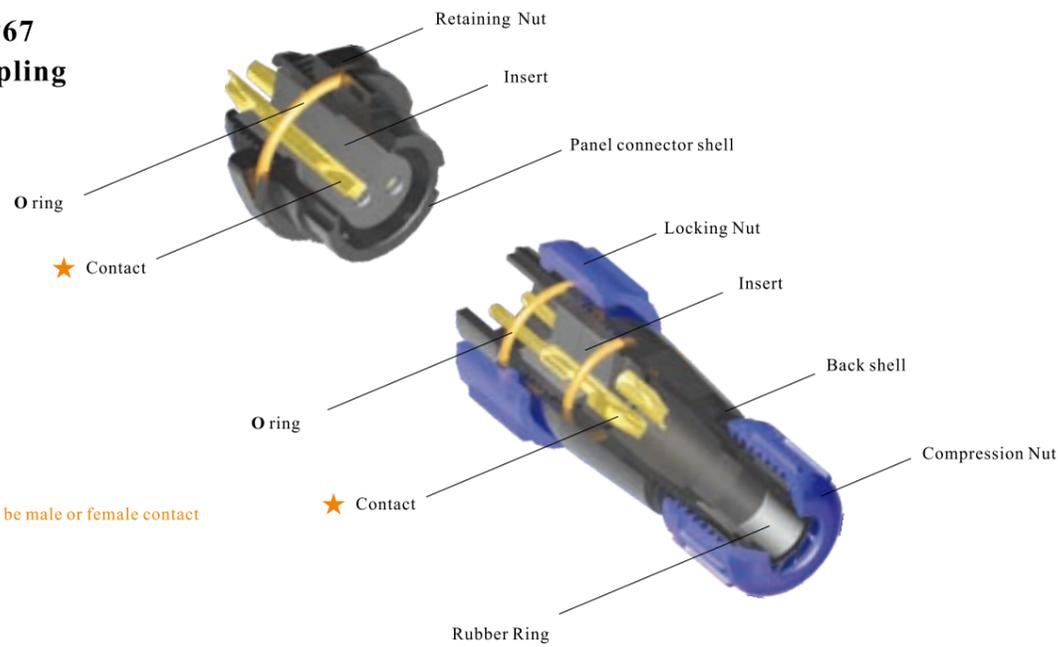
Rear-nut mount  
Mate with SY1110

SY1112 / P — SY1112 / S —

Number of contact



- SY Series IP67
- Bayonet coupling



**Material and spec**

Coupling	Bayonet		
Shell material	PC, Nylon66, fire resistance: V-0		
Insert material	PPS, max temperature 260 °C		
Contact material	Brass with gold plating		
Termination	Solder: SY11,SY13, SY17, SY21, SY29 Crimp: SY17, SY21, SY29 Screw: SY21,SY29(Ø2.5, Ø3, Ø3.5mm contact)		
Cable outer diameter range	SY11: I:3-4mm,II:4-6.5mm SY21: I: 4.5-7mm, II:7-12mm, III:5-9mm	SY13: I: 4-6.5mm, II: 5-8mm	SY17: 6-10mm SY29:I:9-13mm,II:13-16mm
IP rating	IP67		
Mating cycle	500		
Temperature range	-40°C~+85°C		
Insulation resistance	2000 MΩ		

**Solder contact spec**

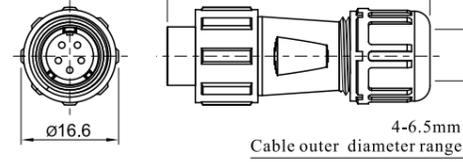
Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter(mm)	Ø1×2	Ø1×3	Ø0.7×4	Ø0.7×5
Rated voltage (AC.V)	180	180	125	125
Test voltage(AC.V) 1 min	1000	1000	1000	1000
Contact resistance(mΩ)	5	5	10	10
Wire size (mm <sup>2</sup> /AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

## SY11 Series

SY  
11



Cable connector  
Mate with SY1111, SY1112



SY1110/P    SY1110/S

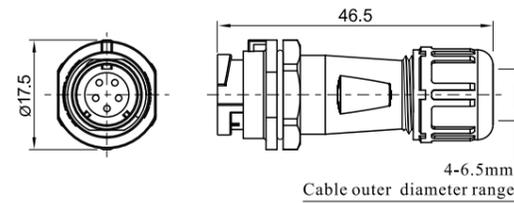
Male contact

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

07



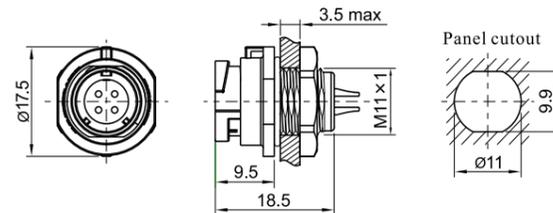
In-line cable connector  
Mate with SY1110



SY1111/P    SY1111/S



Rear-nut mount  
Mate with SY1110



SY1112/P    SY1112/S

### Solder contact spec

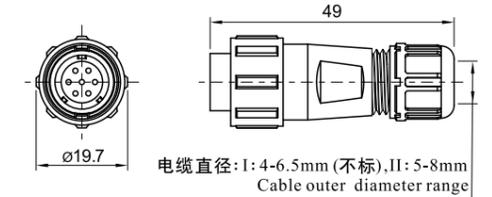
Number of contact	4	5
Male contact face view		
Rated current (A)	3	3
Contact diameter(mm)	Ø0.7×4	Ø0.7×5
Rated voltage (AC.V)	125	125
Test voltage(AC.V) 1 min	1000	1000
Contact resistance(mΩ)	10	10
Wire size (AWG)	20	20

## SY13 Series

SY  
13



Cable connector  
Mate with SY1311,  
SY1311C, SY1312



SY1310/P    SY1310/S

Male contact

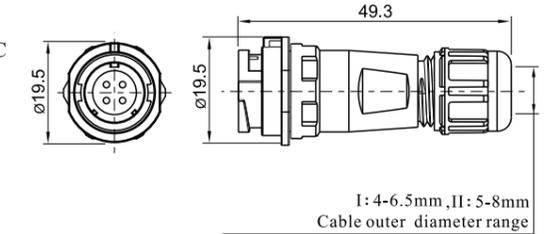
Cable outer diameter range  
I: 4-6.5mm , II: 5-8mm  
Number of contact  
Female contact

电缆直径:I: 4-6.5mm (不标), II: 5-8mm  
Cable outer diameter range

07



In-line cable connector C  
Mate with SY1310

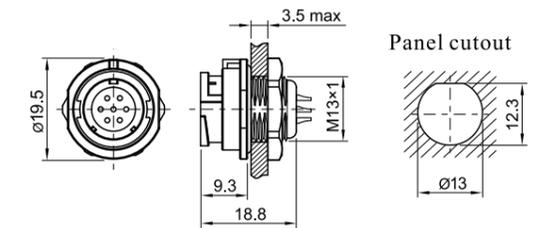


SY1311C/P    SY1311C/S

I: 4-6.5mm , II: 5-8mm  
Cable outer diameter range



Rear nut mount  
Mate with SY1310



SY1312/P    SY1312/S

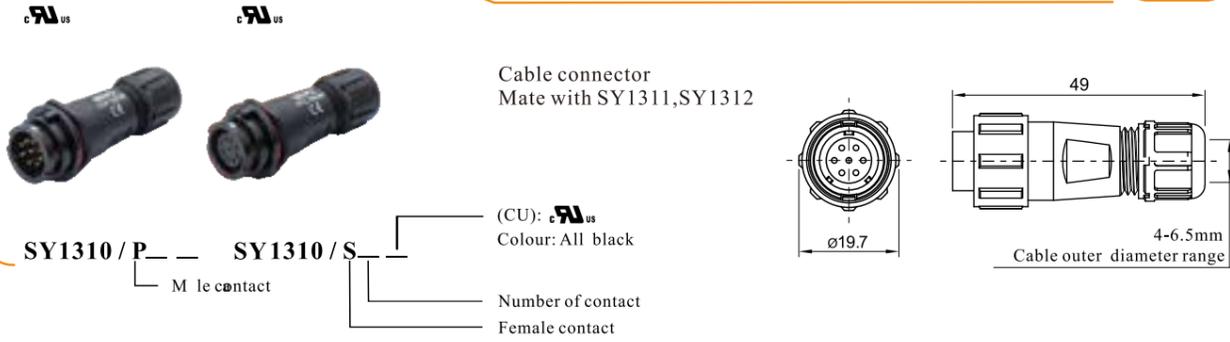
Number of contact

### Solder contact spec

Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter (mm)	Ø1.6X2	Ø1.6X3	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	25	25	5	5	5	5	10
Wire size (mm <sup>2</sup> / AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

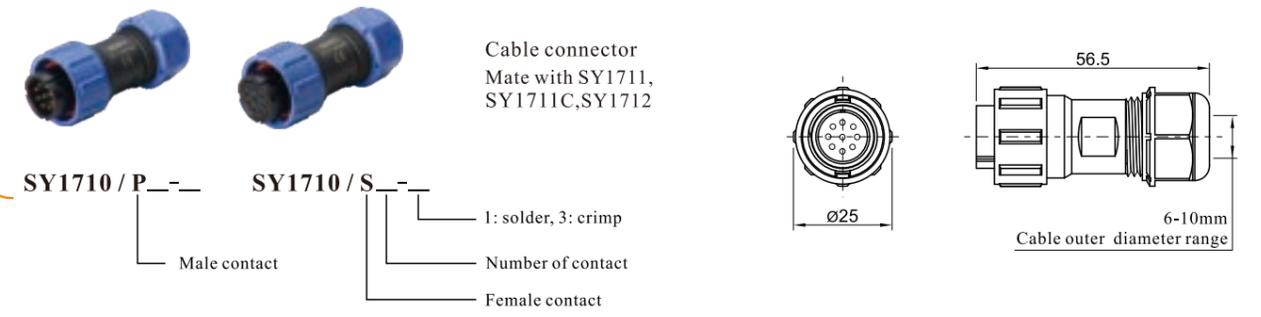
## SY13 Series

SY  
13

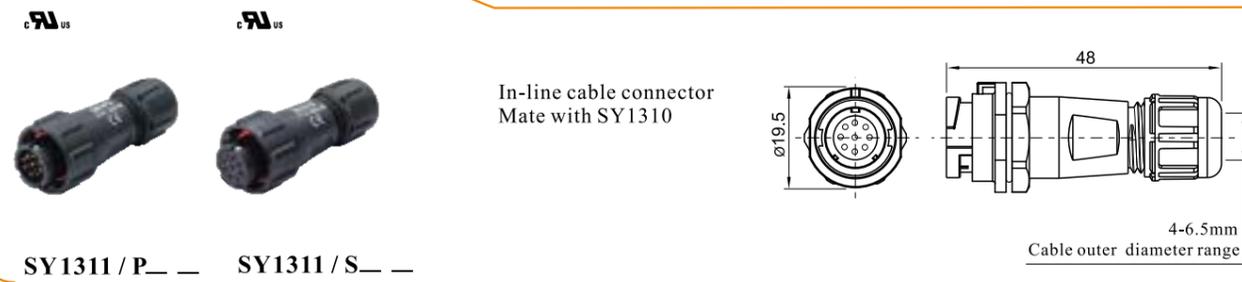


## SY17 Series

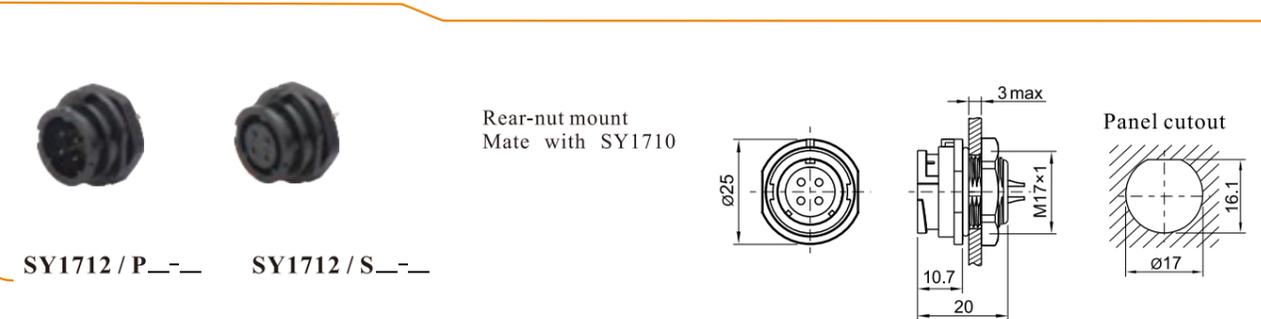
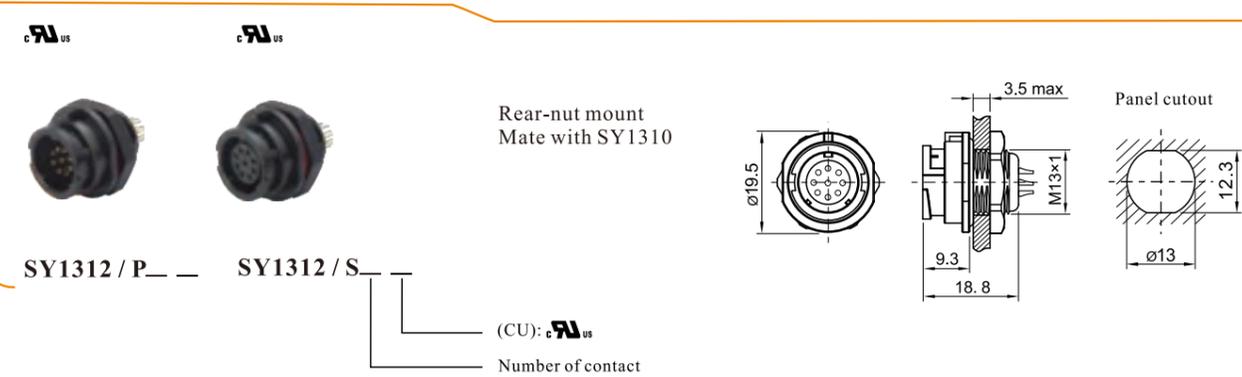
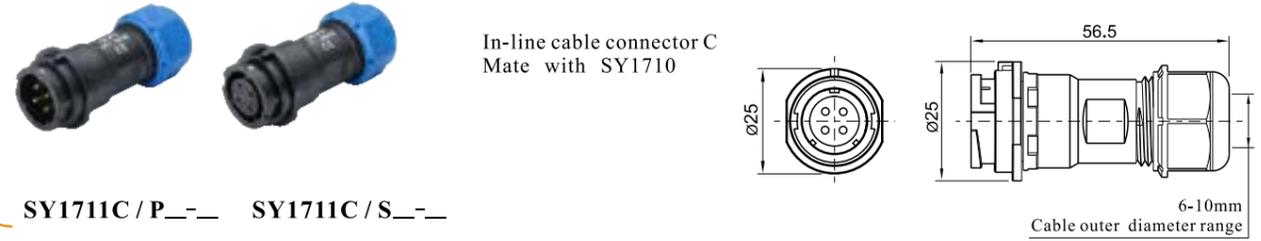
SY  
17



07



07



### Solder contact spec

Number of contact	9
Male contact face view	
Rated current (A)	3
Contact diameter (mm)	ø0.7X9
Rated voltage (AC.V)	125
Test voltage(AC.V) 1 min	1000
Contact resistance (mΩ)	10
Wire size (AWG)	20

### 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 (mm <sup>2</sup> /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

## SY21 Series

**SY  
21**

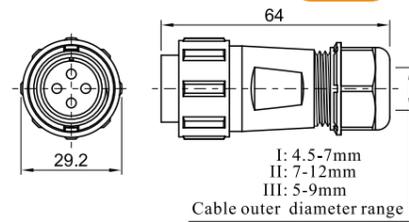


SY2110/P --- SY2110/S

Male contact  
Female contact  
Number of contact

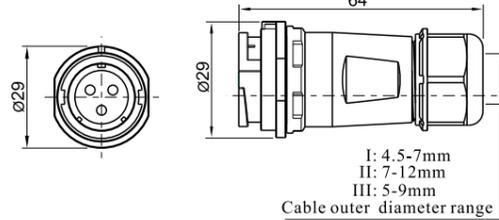
Cable connector  
Mate with SY2111, SY2111C,  
SY2112, SY2113

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



SY2111C/P --- SY2111C/S

In-line cable connector C  
Mate with SY2110, SY2116

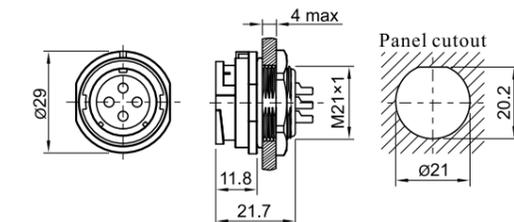


SY2112/P --- SY2112/S

Number of contact

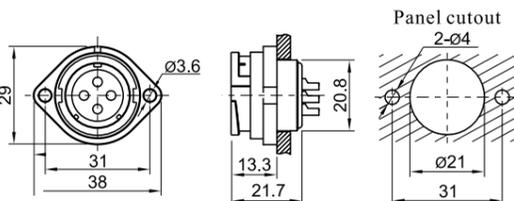
Rear-nut mount  
Mate with SY2110, SY2116

I: solder, 2: screw, 3: crimp



SY2113/P --- SY2113/S

2-hole flange  
Mate with SY2110, SY2116

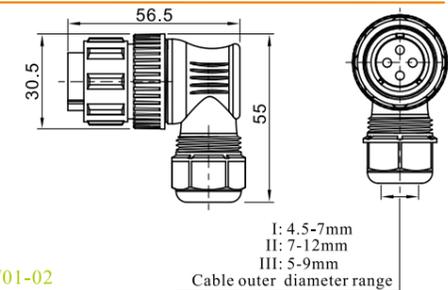


SY2116/P --- SY2116/S

Number of contact

Angled cable connector  
Mate with SY2111, SY2112, SY2113

I: solder, 2: screw, 3: crimp  
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	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm <sup>2</sup> / AWG)	≤4/11	≤4/11	≤4/11	≤4/11	≤4/11 ≤0.75/18	≤2/14	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm <sup>2</sup> / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/	/

## SY29 Series

**SY  
29**

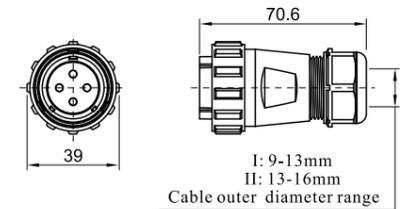


SY2910/P --- SY2910/S

Male contact  
Female contact  
Number of contact

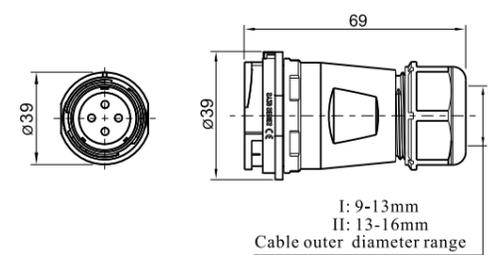
Cable connector  
Mate with SY2911, SY2911C,  
SY2912, SY2913

I: solder, 2: screw, 3: crimp  
Cable outer diameter range



SY2911C/P --- SY2911C/S

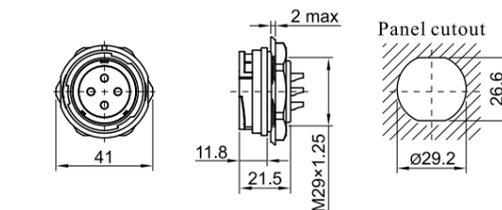
In-line cable connector C  
Mate with SY2910



SY2912/P --- SY2912/S

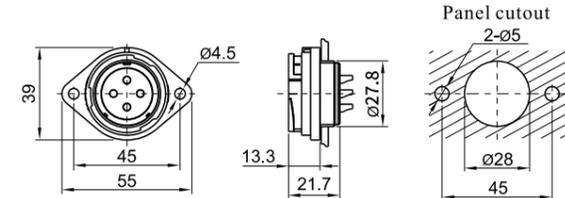
Rear-nut mount  
Mate with SY2910

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



SY2913/P --- SY2913/S

2-hole flange  
Mate with SY2910



### Solder contact spec

★ 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	solder	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder				
Wire size (mm <sup>2</sup> / AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤4/11	≤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	/	/	/	/	/	/	/	/

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)	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

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)	Ø3.5X4	Ø3.5X4 Ø1.5X2	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

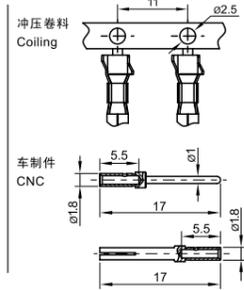
WS48, WF48, WY48	31	42
Male contact face view		
Rated current (A)	25	10
Contact diameter(mm)	Ø2.5X31	Ø1.5X42
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	1	2.5
Insulation resistance (MΩ)	2000	2000

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:  $\varnothing 1$
- ※ Material: Brass with gold plating
- ※ Contact resistance: 5m $\Omega$



#### 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 <sup>2</sup> AWG 24-20	5.5mm	Parting: YJ1-17-0.52AU-C Die: YJ1-17-0.52AU	CT-P20/28	RT-1.0

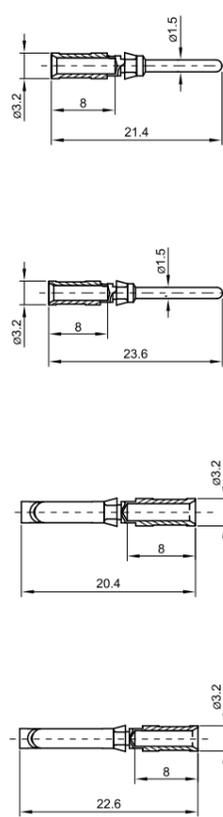
#### 5A Female crimp contact

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 <sup>2</sup> AWG 24-20	5.5mm	Parting: YK1-17-0.52AU-C Die: YK1-17-0.52AU	CT-P20/28	RT-1.0

### 10A Crimp contact

- ※ Contact diameter:  $\varnothing 1.5$
- ※ Material: Brass with gold plating
- ※ Contact resistance: 2.5m $\Omega$



#### 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 <sup>2</sup> AWG 26-22	8mm	YJ1.5-21.4-0.37AU	CT-P20/28	RT-1.5
0.5mm <sup>2</sup> AWG 20	8mm	YJ1.5-21.4-0.5AU	CT-P20/28	RT-1.5
0.75-1.0mm <sup>2</sup> AWG 18	8mm	YJ1.5-21.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm <sup>2</sup> AWG 16	8mm	YJ1.5-21.4-1.5AU	CTW-0.14/4	RT-1.5
2.5mm <sup>2</sup> 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 <sup>2</sup> AWG 26-22	8mm	YJ1.5-23.6-0.37AU	CT-P20/28	RT-1.5
0.5mm <sup>2</sup> AWG 20	8mm	YJ1.5-23.6-0.5AU	CT-P20/28	RT-1.5
0.75-1.0mm <sup>2</sup> AWG 18	8mm	YJ1.5-23.6-1.0AU	CTW-0.14/4	RT-1.5
1.5mm <sup>2</sup> AWG 16	8mm	YJ1.5-23.6-1.5AU	CTW-0.14/4	RT-1.5
2.5mm <sup>2</sup> 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 <sup>2</sup> AWG 26-22	8mm	YK1.5-20.4-0.37AU	CT-P20/28	RT-1.5
0.5mm <sup>2</sup> AWG 20	8mm	YK1.5-20.4-0.5AU	CT-P20/28	RT-1.5
0.75-1.0mm <sup>2</sup> AWG 18	8mm	YK1.5-20.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm <sup>2</sup> AWG 16	8mm	YK1.5-20.4-1.5AU	CTW-0.14/4	RT-1.5
2.5mm <sup>2</sup> AWG 14	8mm	YK1.5-20.4-2.5AU	CTW-0.14/4	RT-1.5

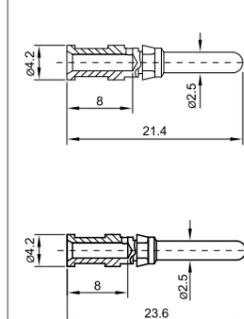
#### 10A Female crimp contact

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 <sup>2</sup> AWG 26-22	8mm	YK1.5-22.6-0.37AU	CT-P20/28	RT-1.5
0.5mm <sup>2</sup> AWG 20	8mm	YK1.5-22.6-0.5AU	CT-P20/28	RT-1.5
0.75-1.0mm <sup>2</sup> AWG 18	8mm	YK1.5-22.6-1.0AU	CTW-0.14/4	RT-1.5
1.5mm <sup>2</sup> AWG 16	8mm	YK1.5-22.6-1.5AU	CTW-0.14/4	RT-1.5
2.5mm <sup>2</sup> AWG 14	8mm	YK1.5-22.6-2.5AU	CTW-0.14/4	RT-1.5

### 25A Crimp contact

- ※ Contact diameter:  $\varnothing 2.5$
- ※ Material: Brass with gold plating
- ※ Contact resistance: 1m $\Omega$



#### 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 <sup>2</sup> AWG 18	8mm	YJ2.5-21.4-1.0AU	CTW-0.14/4	RT-2.5
1.5mm <sup>2</sup> AWG 16	8mm	YJ2.5-21.4-1.5AU	CTW-0.14/4	RT-2.5
2.5mm <sup>2</sup> AWG 14	8mm	YJ2.5-21.4-2.5AU	CTW-0.14/4	RT-2.5
4.0mm <sup>2</sup> AWG 12	8mm	YJ2.5-21.4-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

#### 25A Male crimp contact

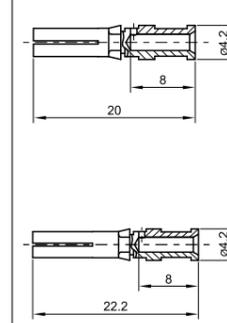
For WS/WF/WY32-55

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm <sup>2</sup> AWG 18	8mm	YJ2.5-23.6-1.0AU	CTW-0.14/4	RT-2.5
1.5mm <sup>2</sup> AWG 16	8mm	YJ2.5-23.6-1.5AU	CTW-0.14/4	RT-2.5
2.5mm <sup>2</sup> AWG 14	8mm	YJ2.5-23.6-2.5AU	CTW-0.14/4	RT-2.5
4.0mm <sup>2</sup> 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:  $\varnothing 2.5$
- ※ Material: Brass with gold plating
- ※ Contact resistance: 1m $\Omega$



#### 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 <sup>2</sup> AWG 18	8mm	YK2.5-20-1.0AU	CTW-0.14/4	RT-2.5
1.5mm <sup>2</sup> AWG 16	8mm	YK2.5-20-1.5AU	CTW-0.14/4	RT-2.5
2.5mm <sup>2</sup> AWG 14	8mm	YK2.5-20-2.5AU	CTW-0.14/4	RT-2.5
4.0mm <sup>2</sup> AWG 12	8mm	YK2.5-20-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

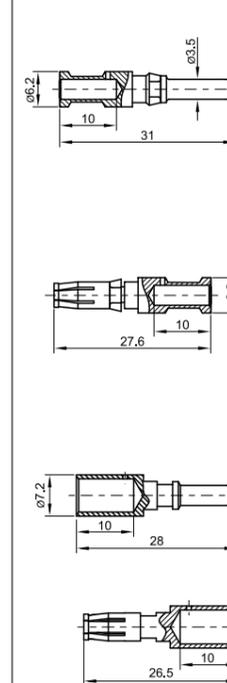
#### 25A Female crimp contact

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 <sup>2</sup> AWG 18	8mm	YK2.5-22.2-1.0AU	CTW-0.14/4	RT-2.5
1.5mm <sup>2</sup> AWG 16	8mm	YK2.5-22.2-1.5AU	CTW-0.14/4	RT-2.5
2.5mm <sup>2</sup> AWG 14	8mm	YK2.5-22.2-2.5AU	CTW-0.14/4	RT-2.5
4.0mm <sup>2</sup> AWG 12	8mm	YK2.5-22.2-4.0AU	CTW-0.14/4 CT-4/10	RT-2.5

### 50A Crimp contact

- ※ Contact diameter:  $\varnothing 3.5$
- ※ Material: copper
- ※ Contact resistance: 0.5m $\Omega$



#### 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 <sup>2</sup> AWG 16	10mm	YJ3.5-31-1.5AU	CTW-0.14/4	RT-3.5
2.5mm <sup>2</sup> AWG 14	10mm	YJ3.5-31-2.5AU	CTW-0.14/4	RT-3.5
4.0mm <sup>2</sup> AWG 12	10mm	YJ3.5-31-4.0AU	CTW-0.14/4 CT-4/10	RT-3.5
6.0mm <sup>2</sup> AWG 10	10mm	YJ3.5-31-6.0AU	CT-4/10	RT-3.5
10.0mm <sup>2</sup> 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 <sup>2</sup> AWG 16	10mm	YK3.5-27.6-1.5AU	CTW-0.14/4	RT-3.5
2.5mm <sup>2</sup> AWG 14	10mm	YK3.5-27.6-2.5AU	CTW-0.14/4	RT-3.5
4.0mm <sup>2</sup> AWG 12	10mm	YK3.5-27.6-4.0AU	CTW-0.14/4 CT-4/10	RT-3.5
6.0mm <sup>2</sup> AWG 10	10mm	YK3.5-27.6-6.0AU	CT-4/10	RT-3.5
10.0mm <sup>2</sup> 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 <sup>2</sup> AWG 7	10mm	YJ3.5-28-10.0AU	CT-4/10	RT-3.5
16mm <sup>2</sup> 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 <sup>2</sup> AWG 7	10mm	YK3.5-26.5-10.0AU	CT-4/10	RT-3.5
16mm <sup>2</sup> AWG 5	10mm	YK3.5-26.5-16.0AU	CT-4/10	RT-3.5

### Crimping tool and Removal tool

#### Crimping tool

For crimping the male / female contacts



Part number	Crimping wire range
CT-P20/28	0.08-0.52mm <sup>2</sup> AWG 28-20
CTW-0.14/4	0.14-4mm <sup>2</sup> AWG 25-11
CT-4/10	4-10mm <sup>2</sup> 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)	∅2.5X2	∅2.5X3	∅2.5X4
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance (mΩ)	1	1	1
Wire size (mm <sup>2</sup> /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)	∅3×2	∅3×3	∅3×4	∅3×5
Rated voltage (AC.V)	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500
Contact resistance (mΩ)	1	1	1	1
Wire size (mm <sup>2</sup> /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)	∅2.5X2	∅2.5X3	∅2.5X4
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance (mΩ)	1	1	1
Wire size (mm <sup>2</sup> /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)	∅3.5X2	∅3.5X3	∅2.5X4	∅2.5X7	∅2.5X8	∅2.5X10
Rated voltage (AC.V)	500	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500
Contact resistance (mΩ)	0.5	0.5	1	1	1	1
Wire size (mm <sup>2</sup> /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)	∅3.5X4	∅2.5X10	∅2.5X11	∅2.5X12
Rated voltage (AC.V)	500V	500V	500V	500V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V
Contact resistance (mΩ)	0.5	1	1	1
Insulation resistance (MΩ)	2000	2000	2000	2000
Wire size (mm <sup>2</sup> /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)	∅3.5X5	∅2.5X5 ∅3.5X4
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance (mΩ)	0.5	1 0.5
Insulation resistance (MΩ)	2000	2000
Wire size (mm <sup>2</sup> /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)	∅3.5X7	∅2.5X20
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 (mm <sup>2</sup> /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