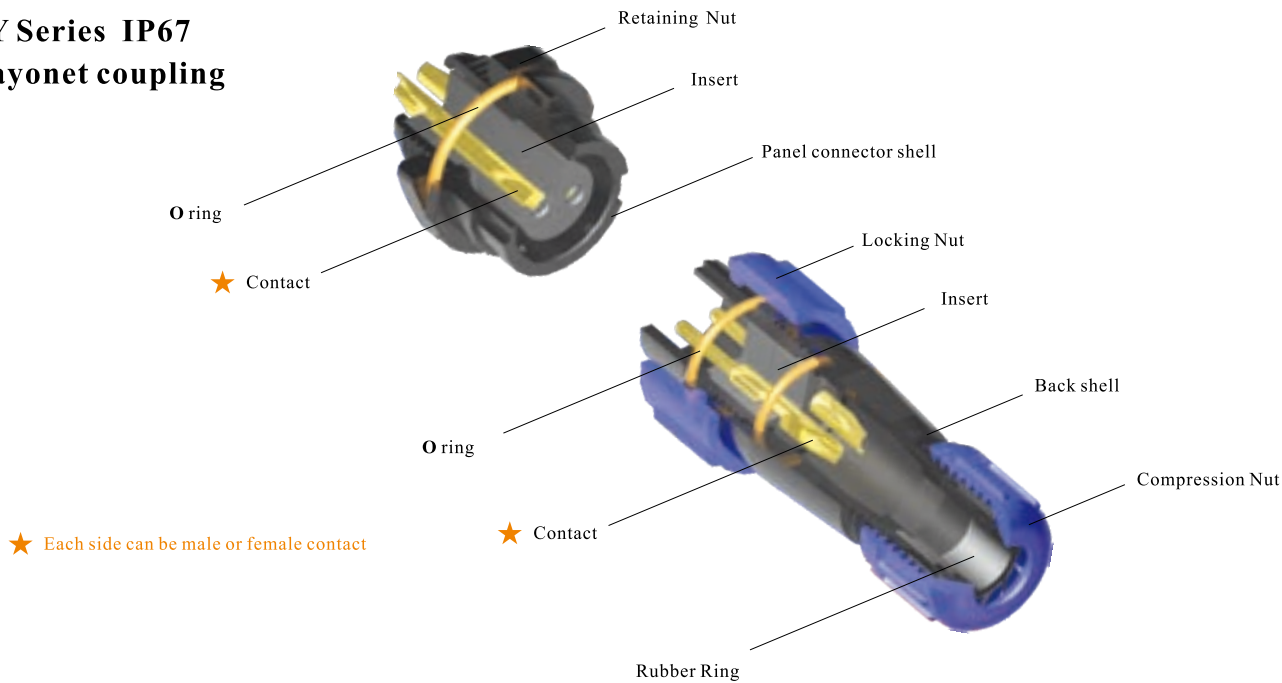




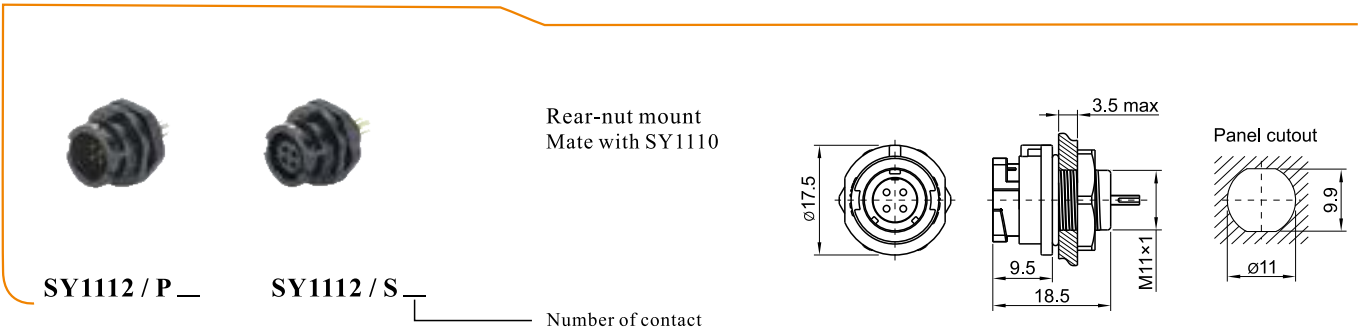
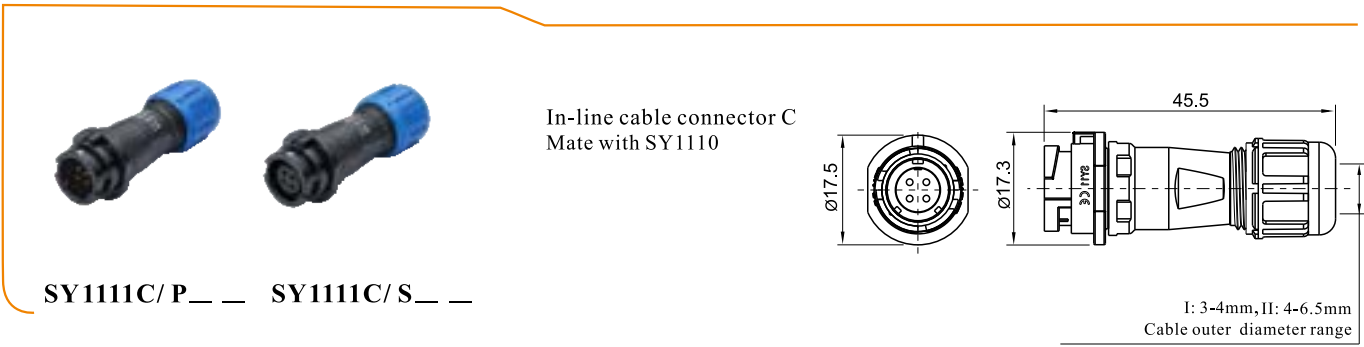
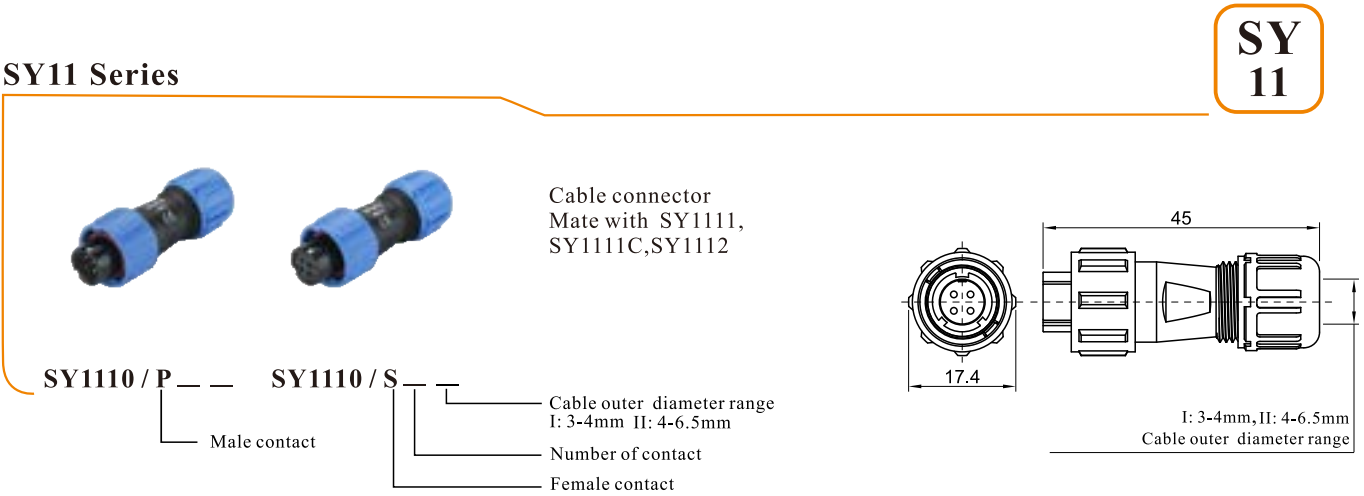
- SY Series IP67
- Bayonet coupling



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 SY29: I:9-13mm, II:13-16mm	SY17: 6-10mm
IP rating	IP67		
Mating cycle	500		
Temperature range	-40℃~+85℃		
Insulation resistance	2000 MΩ		

SY11 Series



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 ² /AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

SY11 Series

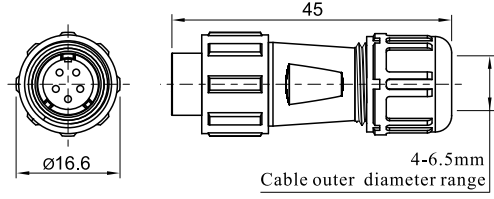


Cable connector
Mate with SY1111, SY1112

SY1110/P — SY1110/S

Male contact

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



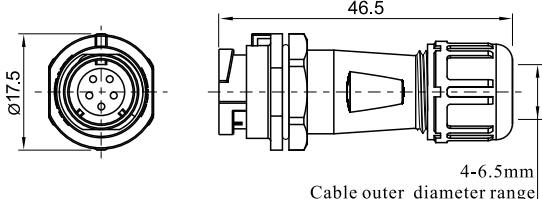
45
4-6.5mm
Cable outer diameter range
Ø16.6

07



In-line cable connector
Mate with SY1110

SY1111/P — SY1111/S

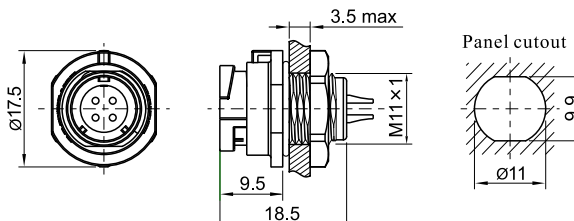


46.5
4-6.5mm
Cable outer diameter range
Ø17.5



Rear-nut mount
Mate with SY1110

SY1112/P — SY1112/S



3.5 max
M11×1
9.5
18.5
9.9
Ø11
Ø17.5
Panel cutout

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

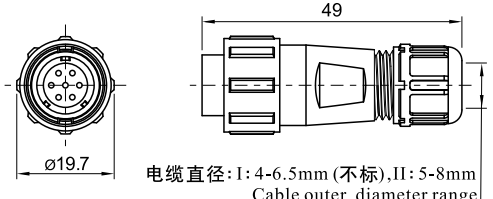


Cable connector
Mate with SY1311, SY1311C, SY1312

SY1310 / P — SY1310 / S

Male contact

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



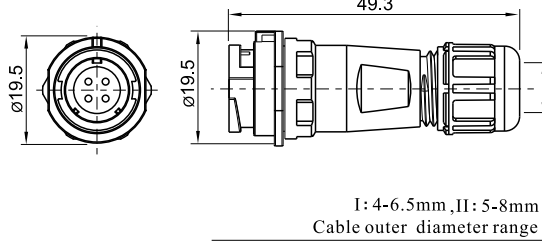
49
Ø19.7
电缆直径: I: 4-6.5mm (不标), II: 5-8mm
Cable outer diameter range

07



In-line cable connector C
Mate with SY1310

SY1311C / P — SY1311C / S



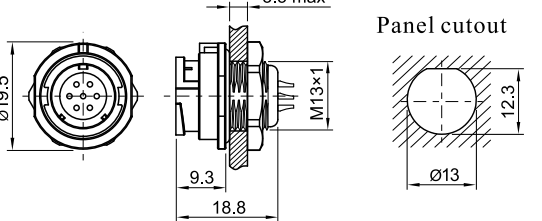
49.3
Ø19.5
I: 4-6.5mm , II: 5-8mm
Cable outer diameter range



Rear nut mount
Mate with SY1310

SY1312 / P — SY1312 / S

Number of contact



3.5 max
M13×1
9.3
18.8
12.3
Ø13
Ø19.5
Panel cutout

Solder contact spec

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

SY
13

SY13 Series



SY1310 / P — SY1310 / S —

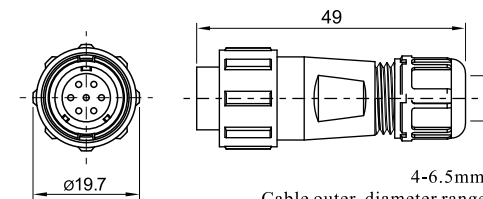
Male contact Female contact

Cable connector
Mate with SY1311,SY1312

(CU):  US
Colour: All black

Number of contact

Female contact



49

4-6.5mm
Cable outer diameter range

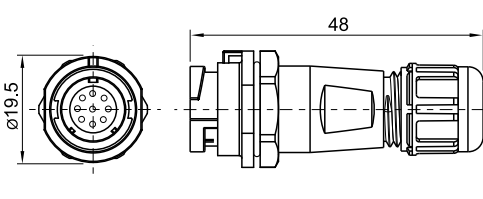
Ø19.7

07



SY1311 / P — SY1311 / S —

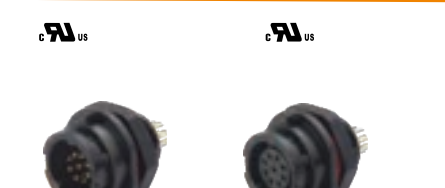
In-line cable connector
Mate with SY1310



48

4-6.5mm
Cable outer diameter range

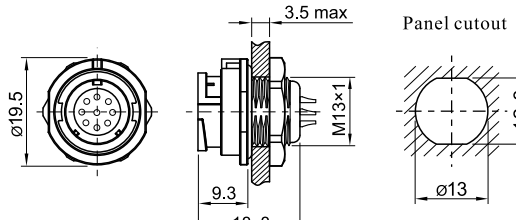
Ø19.5



SY1312 / P — SY1312 / S —

Rear-nut mount
Mate with SY1310

(CU):  US
Number of contact



3.5 max

Panel cutout

Ø19.5

9.3

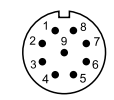
18.8

M13×1

12.3

Ø13

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

SY
17

SY17 Series



SY1710 / P — SY1710 / S —

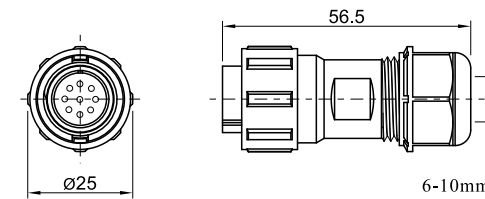
Male contact Female contact

Cable connector
Mate with SY1711,
SY1711C,SY1712

1: solder, 3: crimp

Number of contact

Female contact



56.5

6-10mm
Cable outer diameter range

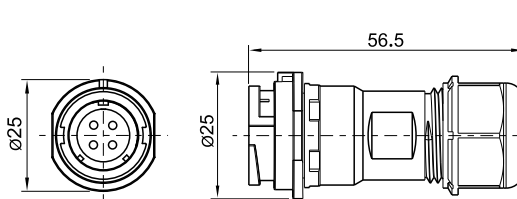
Ø25

07



SY1711C / P — SY1711C / S —

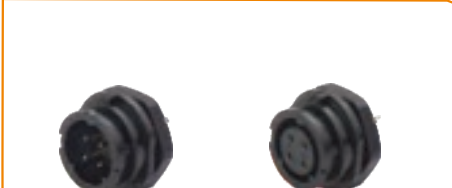
In-line cable connector C
Mate with SY1710



56.5

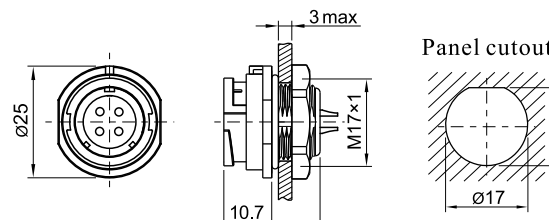
6-10mm
Cable outer diameter range

Ø25



SY1712 / P — SY1712 / S —

Rear-nut mount
Mate with SY1710



3 max

Panel cutout

Ø25

10.7

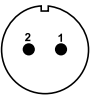
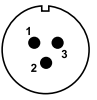
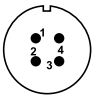
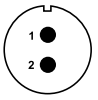
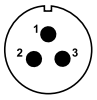
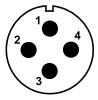
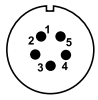
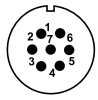
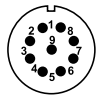
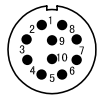
20

M17×1

16.1

Ø17

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

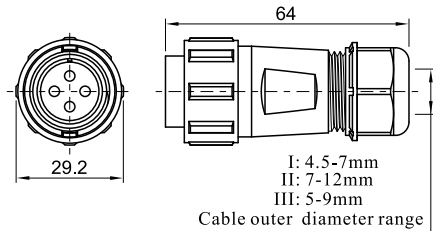
SY21 Series

SY
21



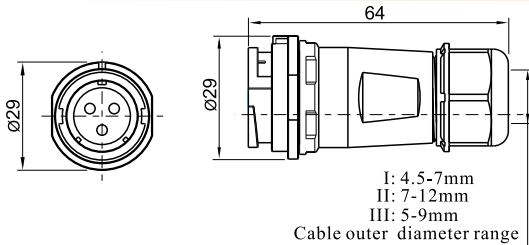
SY2110 / P SY2110 / S

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



SY2111C / P SY2111C / S

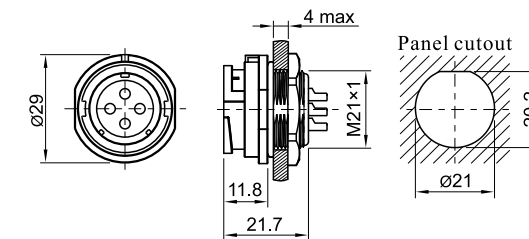
In-line cable connector C
Mate with SY2110, SY2116



SY2112 / P SY2112 / S

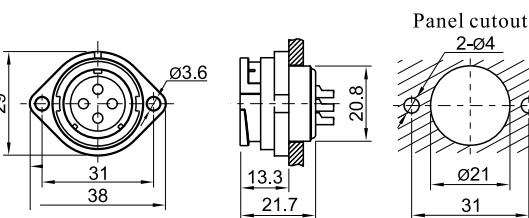
Number of contact
1: solder, 2: screw, 3: crimp

Rear-nut mount
Mate with SY2110, SY2116



SY2113 / P SY2113 / S

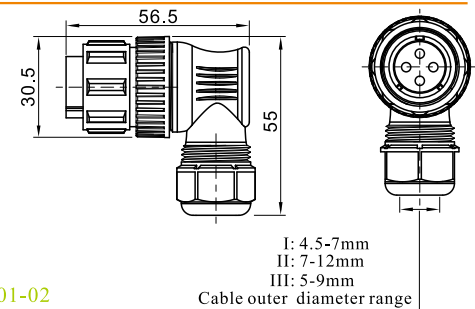
2-hole flange
Mate with SY2110, SY2116



SY2116 / P SY2116 / S

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

Angled cable connector
Mate with SY2111, SY2112, SY2113



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 (mm² / AWG)	≤4/11	≤4/11	≤4/11	≤4/11	≤4/11 ≤0.75/18	≤2/14	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/	/

SY29 Series

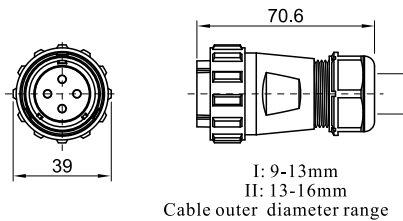
SY
29



SY2910 / P SY2910 / S

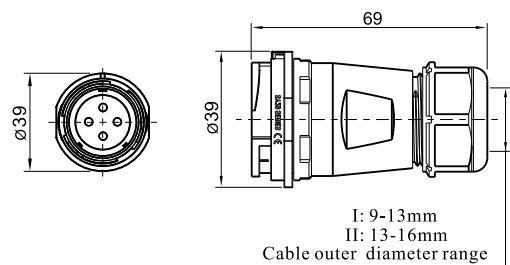
Male contact
Female contact
Number of contact
1: solder, 2: screw, 3: crimp
Cable outer diameter range

Cable connector
Mate with SY2911, SY2911C,
SY2912, SY2913



SY2911C / P SY2911C / S

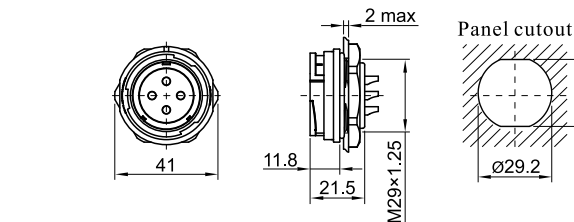
In-line cable connector C
Mate with SY2910



SY2912 / P SY2912 / S

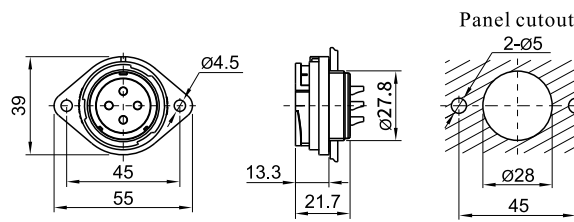
Rear-nut mount
Mate with SY2910

1: 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 / 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 Ø1.5X2	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

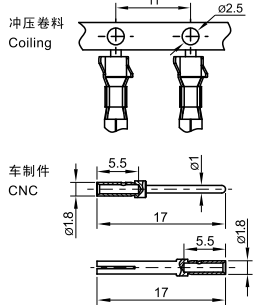
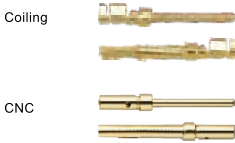
WS48、WF48、WY48	31	42
Male contact face view		
Rated current (A)	25	10
Contact diameter(mm)	Ø2.5X31	Ø1.5X42
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	1	2.5
Insulation resistance (MΩ)	2000	2000

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

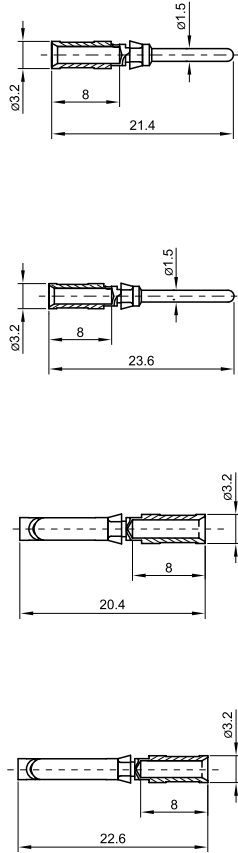


5A Male crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm ² AWG 24-20		5.5mm	Punching YJ1-17-0.52AU-C Die YJ1-17-0.52AU	CT-P20/28	RT-1.0

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 ² AWG 24-20		5.5mm	Punching YK1-17-0.52AU-C Die 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

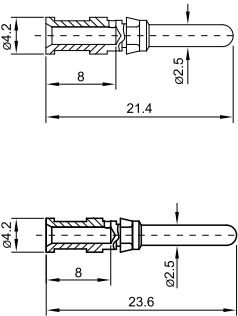
10A Male crimp contact					For WS/WF/WY32-55
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22		8mm	YJ1.5-23.6-0.37AU	CT-P20/28	RT-1.5
0.5mm ² AWG 20		8mm	YJ1.5-23.6-0.5AU	CT-P20/28	RT-1.5
0.75-1.0mm ² AWG 18		8mm	YJ1.5-23.6-1.0AU	CTW-0.14/4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



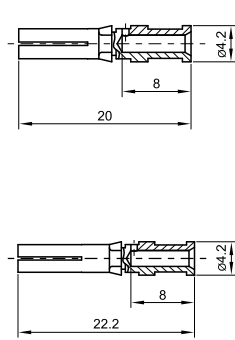
25A Male crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18		8mm	YJ2.5-21.4-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16		8mm	YJ2.5-21.4-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14		8mm	YJ2.5-21.4-2.5AU	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:1m Ω

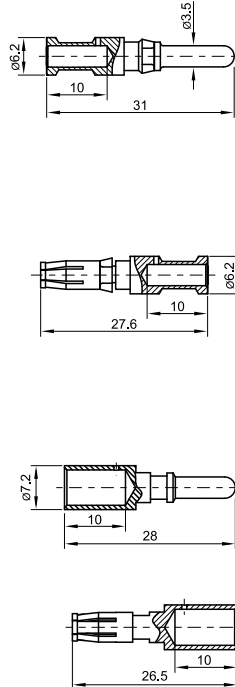


25A Female crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18		8mm	YK2.5-20-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16		8mm	YK2.5-20-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14		8mm	YK2.5-20-2.5AU	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:0.5m Ω



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