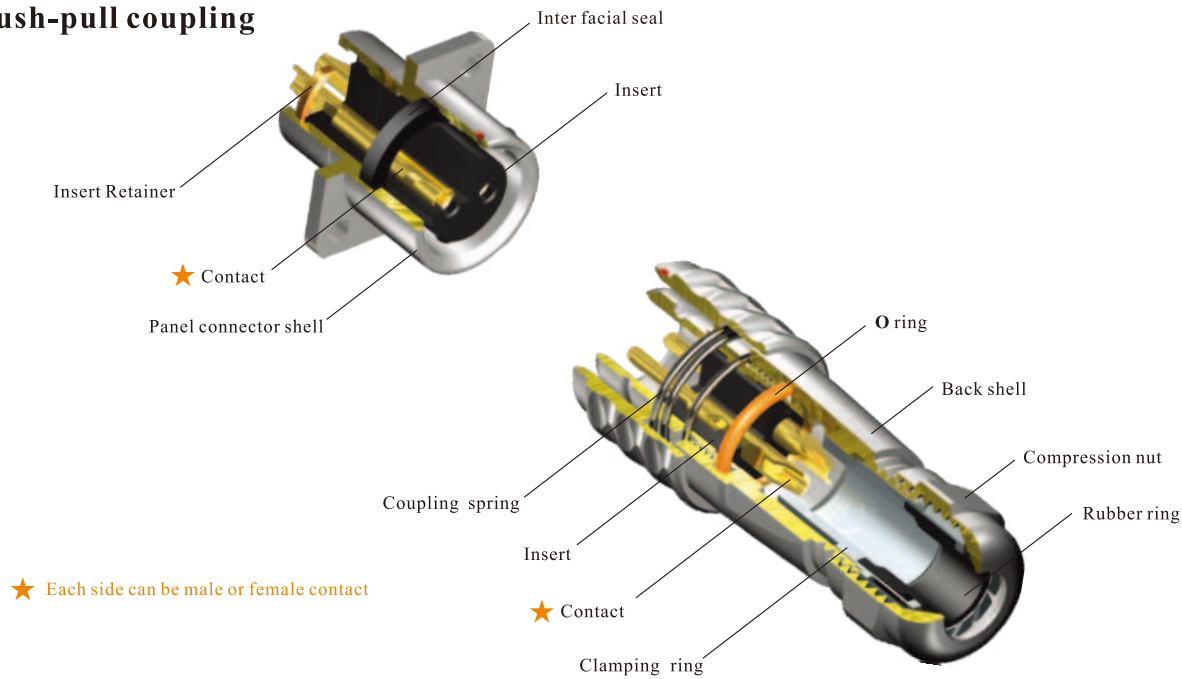




- SF Series IP67
- Push-pull coupling



Material and spec

Coupling	Push-pull	
Shell material	Brass with chrome plating	
Insert material	PPS max temperature 260 °C	
Contact material	Brass with gold plating	
Termination	Solder: SF6, SF8, SF10, SF12, SF16, SF20 Crimp: SF16, SF20 Screw: SF20 (Ø2.5mm contact)	
Cable outer diameter range	SF6: I: 2-3mm, II:3-4mm SF8: I: 3-4mm, II:4-5mm SF10: I: 3-4mm, II:4-6.5mm SF12: I: 4-6.5mm, II: 5-8mm	SF16 I: 5-8mm, II:8-12mm SF20 I: 5-9mm, II:8-12mm
IP rating	IP67	
Mating cycle	500	
Temperature range	-40℃ ~+85℃	
Insulation resistance	2000MΩ	

SF Series

IP67

SF6 Series

Cable connector
Mate with SF611B, SF612B, SF615B

SF610B/P__ SF610B/S__

Male contact

Cable outer diameter range
I: 2-3mm, II:3-4mm

Number of contact

Female contact

Ø11

30.5

I: 2-3mm, II:3-4mm
Cable outer diameter range

In-line cable connector
Mate with SF610B

SF611B/P__ SF611B/S__

Ø10.2

30.5

Ø7.9

I: 2-3mm, II:3-4mm
Cable outer diameter range

Rear-nut mount
Mate with SF610B

SF612B/P__ SF612B/S__

Ø10.2

2 max

Ø7.9

5

7.3

12.9

M6×0.5

Panel cutout

5.7

Ø6

Front-nut mount
Mate with SF610B

SF615B/P__ SF615B/S__

Ø12.8

2 max

Ø7.9

12.6

M9×0.75

Panel cutout

8.5

Ø8.8

Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter(mm)	Ø0.6×2	Ø0.6×3	Ø0.6×4	Ø0.6×5
Rated voltage (AC.V)	30	30	30	30
Test voltage(AC.V) 1 min	500	500	500	500
Contact resistance(mΩ)	10	10	10	10
Wire size(mm²/AWG)	≤0.5/20	≤0.5/20	≤0.5/20	≤0.5/20

SF 6

SF8 Series

SF
8

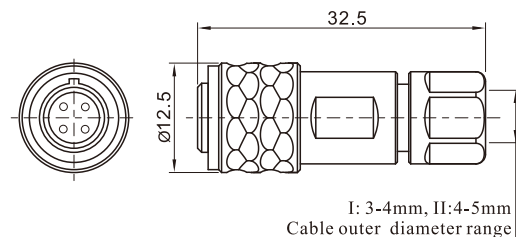
Cable connector
Mate with SF811B, SF812B,
SF815B

SF810B/P

SF810B/S

Male contact

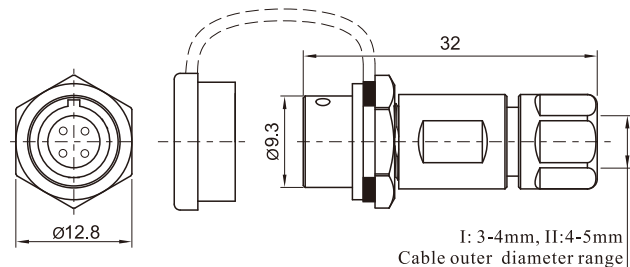
Cable outer diameter range
I: 3-4mm, II: 4-5mm
Number of contact
Female contact



In-line cable connector
Mate with SF810B

SF811B/P

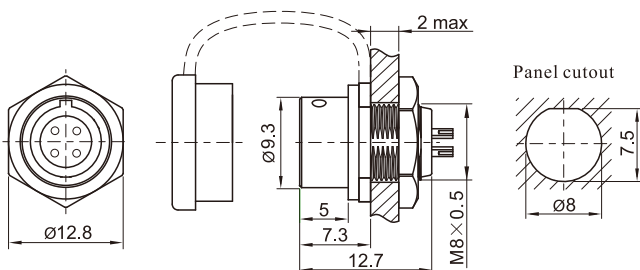
SF811B/S



Rear-nut mount
Mate with SF810B

SF812B/P

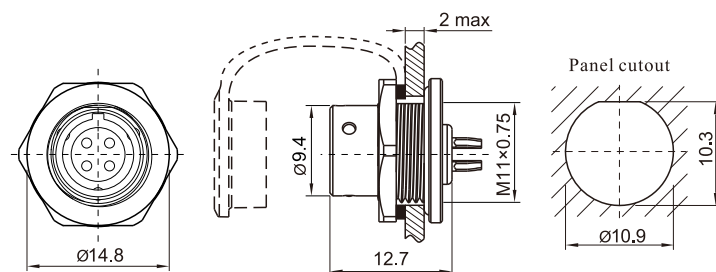
SF812B/S



Front-nut mount
Mate with SF810B

SF815B/P

SF815B/S



Solder contact spec

Number of contact	2	3	4	6	8
Male contact face view					
Rated current (A)	5	5	3	3	3
Contact diameter(mm)	Ø1×2	Ø1×3	Ø0.6×4	Ø0.6×6	Ø0.6×8
Rated voltage (AC.V)	125	125	30	30	30
Test voltage(AC.V) 1 min	1000	1000	500	500	500
Contact resistance(mΩ)	5	5	10	10	10
Wire size (mm²/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20	≤0.5/20

SF10 Series

SF
10

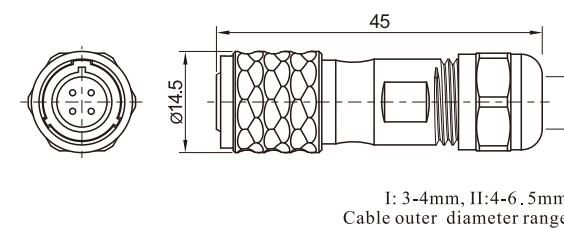
Cable connector
Mate with SF1011, SF1012,
SF1015

SF1010/P

SF1010/S

Male contact

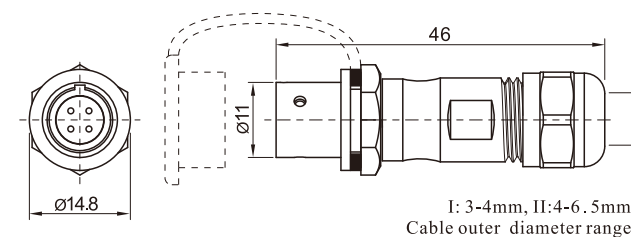
Cable outer diameter range
I: 3-4mm, II: 4-6.5mm
Number of contact
Female contact



In-line cable connector
Mate with SF1010

SF1011/P

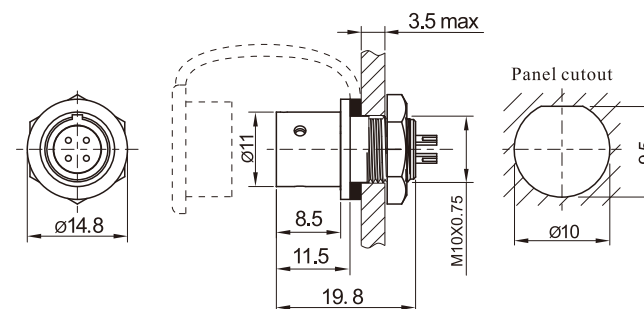
SF1011/S



Rear-nut mount
Mate with SF1010

SF1012/P

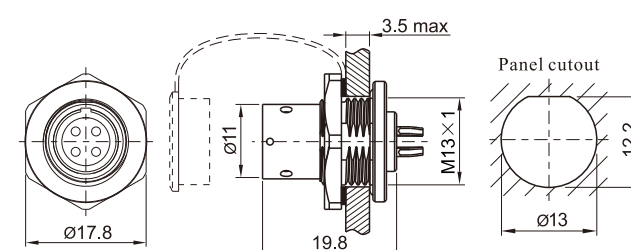
SF1012/S



Front-nut mount
Mate with SF1010

SF1015/P

SF1015/S



Solder contact spec

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

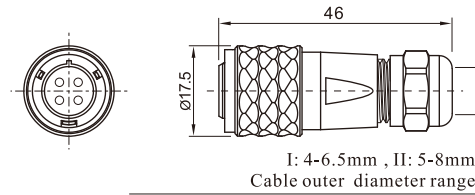
SF12 Series

SF
12

Cable connector
Mate with SF1211, SF1212,
SF1213, SF1215

SF1210 / P — SF1210 / S —
Male contact

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

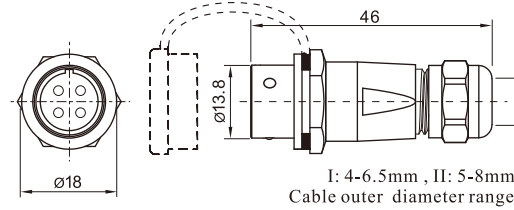


I: 4-6.5mm , II: 5-8mm
Cable outer diameter range



SF1211 / P — SF1211 / S —

In-line cable connector
Mate with SF1210, SF1214



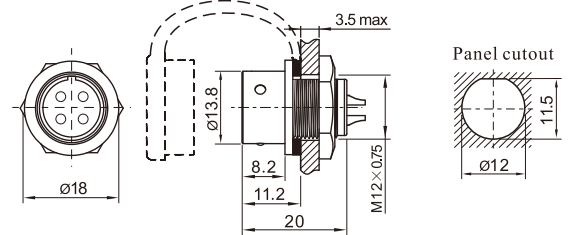
I: 4-6.5mm , II: 5-8mm
Cable outer diameter range



SF1212 / P — SF1212 / S —

Rear-nut mount
Mate with SF1210,
SF1214

Number of contact

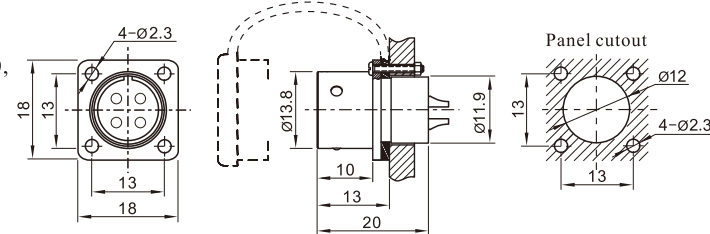


Panel cutout



SF1213 / P — SF1213 / S —

Square flange
Mate with SF1210,
SF1214

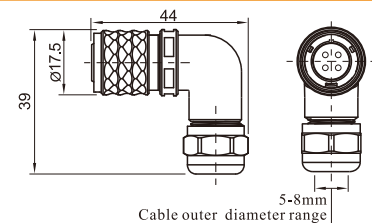


Panel cutout



SF1214 / P — II SF1214 / S — II

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

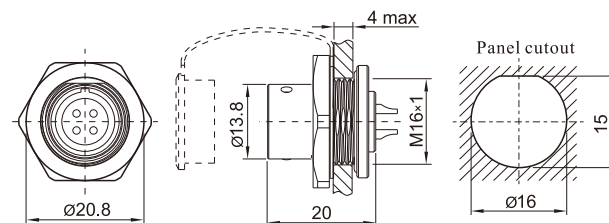


Cable outer diameter range



SF1215 / P — SF1215 / S —

Front-nut mount
Mate with SF1210,
SF1214



Panel cutout

Solder contact spec

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

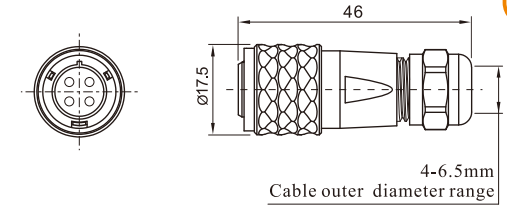
SF12 Series

SF
12

Cable connector
Mate with SF1211, SF1212,
SF1213

SF1210 / P — SF1210 / S —
Male contact

(U): LISTED
Number of contact
Female contact

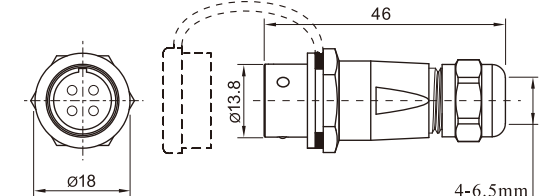


4-6.5mm
Cable outer diameter range



SF1211 / P — SF1211 / S —

In-line cable connector
Mate with SF1210, SF1214



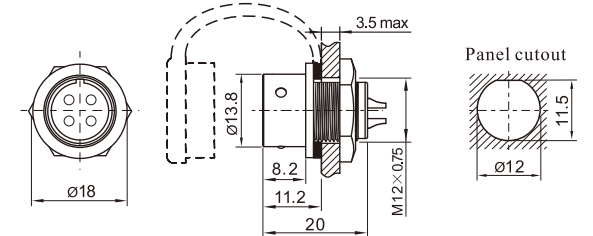
4-6.5mm
Cable outer diameter range



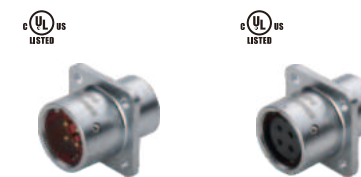
SF1212 / P — SF1212 / S —

Rear-nut mount
Mate with SF1210,
SF1214

(U): LISTED
Number of contact

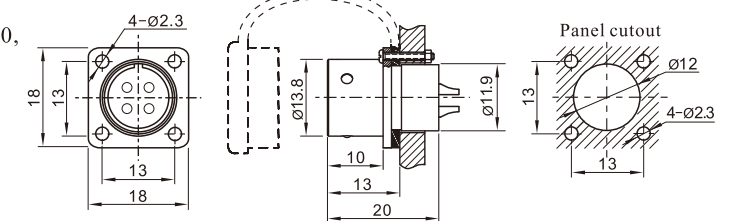


Panel cutout



SF1213 / P — SF1213 / S —

Square flange
Mate with SF1210,
SF1214



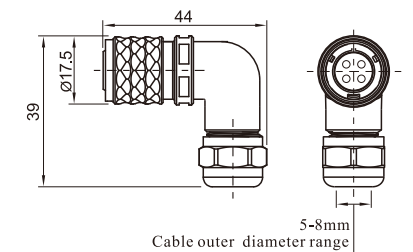
Panel cutout



SF1214 / P — II SF1214 / S — II

Angled cable connector
Mate with SF1211, SF1212, SF1213

(U): LISTED



5-8mm
Cable outer diameter range

Solder contact spec

Number of contact	4	5	6	7
Male contact face view				
Rated current (A)	5	5	5	5
Contact diameter(mm)	Ø1X4	Ø1X5	Ø1X6	Ø1X7
Rated voltage (AC.V)	300	300	300	300
Test voltage(AC.V) 1 min	1500	1000	1000	1000
Contact resistance (mΩ)	5	5	5	5
Wire size (AWG)	18	18	18	18

SF16 Series

02



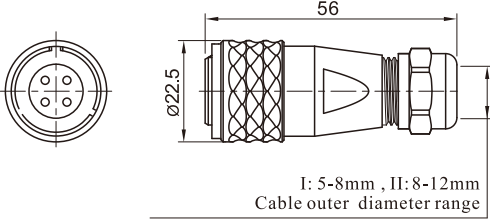
Cable connector
Mate with SF1611, SF1612,
SF1613, SF1615

SF
16

SF1610 / P _ _ _ SF1610 / S _ _ _

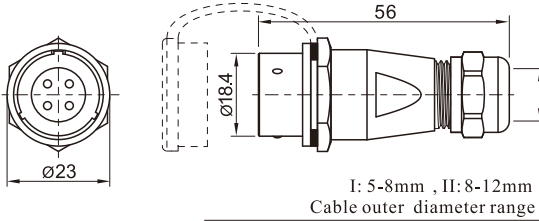
Male contact

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



In-line cable connector
Mate with SF1610

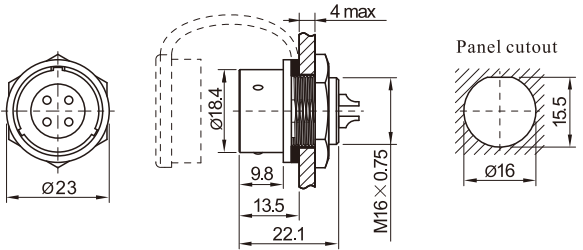
SF1611 / P _ _ _ SF1611 / S _ _ _



Rear-nut mount
Mate with SF1610

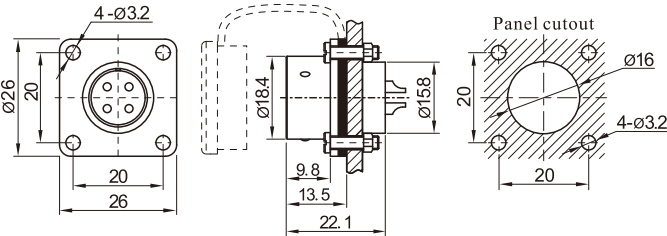
SF1612 / P _ _ SF1612 / S _ _

1: solder, 3: crimp
Number of contact



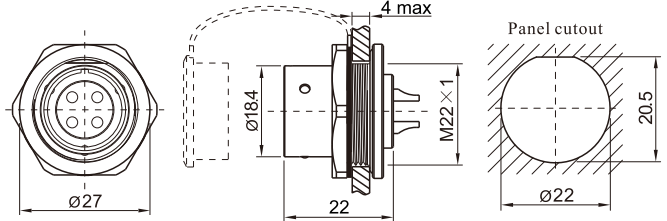
Square flange
Mate with SF1610

SF1613 / P _ _ SF1613 / S _ _



Front-nut mount
Mate with SF1610

SF1615 / P _ _ SF1615 / S _ _



Solder contact spec

★ Crimp contact spec see P23/01-05

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

SF20 Series

SF
20

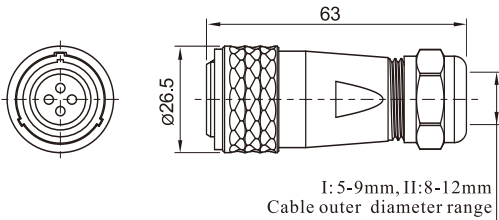


Cable connector
Mate with SF2011, SF2012,
SF2013, SF2015

SF2010 / P _ _ _ SF2010 / S _ _ _

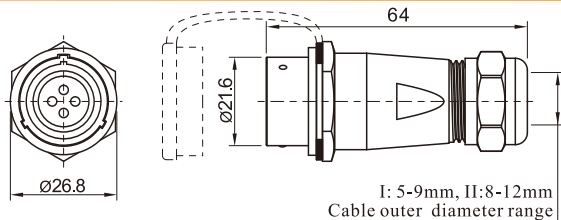
Male contact

1: solder, 2: screw, 3: crimp
Cable outer diameter range
I: 5-9mm, II: 8-12mm
Number of contact
Female contact



In-line cable connector
Mate with SF2010

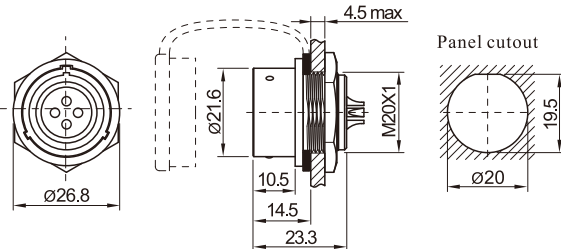
SF2011 / P _ _ _ SF2011 / S _ _ _



Rear-nut mount
Mate with SF2010

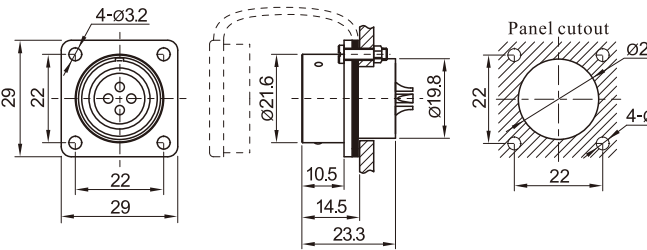
SF2012 / P _ _ SF2012 / S _ _

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



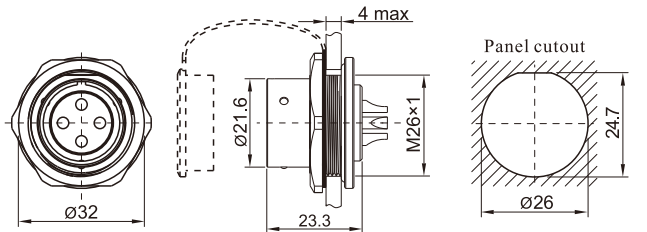
Square flange
Mate with SF2010

SF2013 / P _ _ SF2013 / S _ _



Front-nut mount
Mate with SF2010

SF2015 / P _ _ SF2015 / S _ _



Solder contact spec

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

Number of contact	2	3	4	5	6	6B	7	8	9	12	15
Male contact face view											
Rated current (A)	25	25	25	10	25 5	30 5	10	10	5	5	5
Contact diameter(mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1.5X5	Ø2.5X4 Ø1X2	Ø3X2 Ø1X4	Ø1.5X7	Ø1.5X8	Ø1X9	Ø1X12	Ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	1	1	1	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm² / AWG)	≤4/11	≤4/11	≤4/11	≤2/14	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm²/AWG)	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/

Solder contact spec

WS16、WF16、WY16	2	3	4	2B	3B	4B	5	7	9	10
Male contact face view										
Rated current (A)	10	10	5	15	15	15	5	5	5	5
Contact diameter(mm)	Ø1.5X2	Ø1.5X3	Ø1X4	Ø2X2	Ø2X3	Ø2X4	Ø1X5	Ø1X7	Ø1X9	Ø1X10
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance(mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

WS20、WF20、WY20	2	3	4	5	6	6B	7	8	9	12	15
Male contact face view											
Rated current (A)	25	25	25	10	5 25	5 30	10	10	5	5	5
Contact diameter(mm)	Ø2.5×2	Ø2.5×3	Ø2.5×4	Ø1.5×5	Ø1X2 Ø2.5X4	Ø1X4 Ø3X2	Ø1.5×7	Ø1.5×8	Ø1×9	Ø1×12	Ø1×15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance(mΩ)	1	1	1	2.5	5 1	5 1	2.5	2.5	5	5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤4/11	≤4/11	≤4/11	≤2/14	≤0.75/18 ≤4/11	≤0.75/18 ≤4/11	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18

WS24、WF24、WY24	2	3	4	9	10	12	12B	19
Male contact face view								
Rated current (A)	25	25	25	5 25	10	10	5 30	5
Contact diameter(mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1X5 Ø2.5X4	Ø1.5X10	Ø1.5X12	Ø1X9 Ø3X3	Ø1X19
Rated voltage (AC.V)	500	500	500	500	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200
Contact resistance(mΩ)	1	1	1	5 1	2.5	2.5	5 1	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤4/11	≤4/11	≤4/11	≤0.75/18 ≤4/11	≤2/14	≤2/14	≤0.75/18 ≤4/11	≤0.75/18

WS28、WF28、WY28	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60.5	25.5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	Ø3.5X2	Ø3.5X2	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
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤16/6 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

Solder contact spec

WS32、WF32、WY32	4	6	8	8B	10	10B	11	12	13	19
Male contact face view										
Rated current (A)	50	10 50	10 50	10 50	10 25	25	25	25	10 25	10
Contact diameter(mm)	Ø3.5X4	Ø1.5X2 Ø3.5X4	Ø1.5X5 Ø3.5X3	Ø1.5X4 Ø3.5X4	Ø1.5X5 Ø2.5X5	Ø2.5X10	Ø2.5X11	Ø2.5X12	Ø1.5X9 Ø2.5X4	Ø1.5X19
Rated voltage (AC.V)	500V	500V	500V	500V	500V	500V	500V	500V	500V	500V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V
Contact resistance(mΩ)	0.5	2.5 0.5	2.5 0.5	2.5 0.5	2.5 1	1	1	1	2.5 1	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤10/7	≤2/14 ≤10/7	≤2/14 ≤10/7	≤2/14 ≤10/7	≤2/14 ≤4/11	≤4/11	≤4/11	≤4/11	≤2/14 ≤4/11	≤2/14

WS40、WF40、WY40	5	9	15	26	31	52
Male contact face view						
Rated current (A)	50	25 50	10	10 25	10	5
Contact diameter(mm)	Ø3.5X5	Ø2.5X5 Ø3.5X4	Ø1.5X15	Ø1.5X22 Ø2.5X4	Ø1.5X31	Ø1X52
Rated voltage (AC.V)	500	500	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1200
Contact resistance(mΩ)	0.5	1 0.5	2.5	2.5、1	2.5	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤10/7	≤4/11 ≤10/7	≤2/14	≤2/14 ≤4/11	≤2/14	≤0.75/ 18

WS48、WF48、WY48	5	7	20	27	38	42
Male contact face view						
Rated current (A)	100	50	25	10 25	10 25	10
Contact diameter(mm)	Ø5.5X5	Ø3.5X7	Ø2.5X20	Ø1.5X26 Ø2.5X1	Ø1.5X33 Ø2.5X5	Ø1.5X42
Rated voltage (AC.V)	500	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.3	0.5	1	2.5、1	2.5、1	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤25/3	≤10/7	≤4/11	≤2/14 ≤4/11	≤2/14 ≤4/11	≤2/14

WS55、WF55、WY55	4	7	40	53	61
Male contact face view					
Rated current (A)	50 150	50 100	10 25	10 25	10
Contact diameter(mm)	Ø3.5X1 Ø10X3	Ø3.5X1 Ø5.5X6	Ø1.5X25 Ø2.5X15	Ø1.5X48 Ø2.5X5	Ø1.5X61
Rated voltage (AC.V)	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.5 0.2	0.5 0.3	2.5 1	2.5 1	2.5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000
Wire size(mm²/AWG)	≤10/7 ≤70/(2/0)	≤10/7 ≤25/3	≤2/14 ≤4/11	≤2/14 ≤4/11	≤2/14

SF16, SA16, SP17, SY17 WS16, WF16, WY16	2	3	4
Male contact face view			
Rated current (A)	10	10	5
Contact diameter(mm)	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

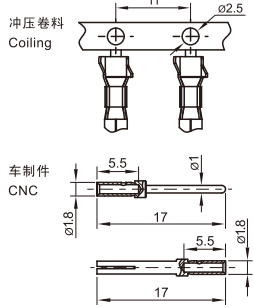
WS48、WF48、WY48	31	42
Male contact face view		
Rated current (A)	25	10
Contact diameter(mm)	Ø2.5X31	Ø1.5X42
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	1	2.5
Insulation resistance (MΩ)	2000	2000

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

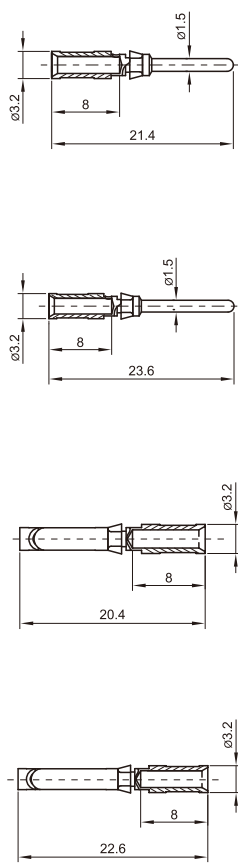


5A Male crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm ² AWG 24-20		5.5mm	YJ1-17-0.52AU-C YJ1-17-0.52AU	CT-P20/28	RT-1.0

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

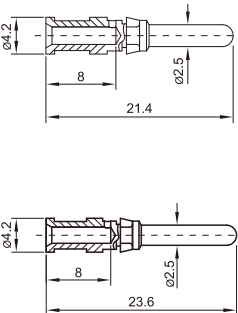
10A Male crimp contact					For WS/WF/WY32-55
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22		8mm	YJ1.5-23.6-0.37AU	CT-P20/28	RT-1.5
0.5mm ² AWG 20		8mm	YJ1.5-23.6-0.5AU	CT-P20/28	RT-1.5
0.75-1.0mm ² AWG 18		8mm	YJ1.5-23.6-1.0AU	CTW-0.14/4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



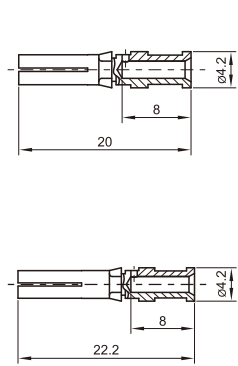
25A Male crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18		8mm	YJ2.5-21.4-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16		8mm	YJ2.5-21.4-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14		8mm	YJ2.5-21.4-2.5AU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

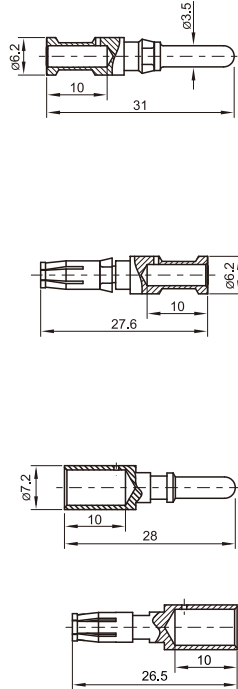


25A Female crimp contact					For SF, SA, SP, SY, WP, WS/WF/WY16-28
Wire size		Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18		8mm	YK2.5-20-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16		8mm	YK2.5-20-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14		8mm	YK2.5-20-2.5AU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