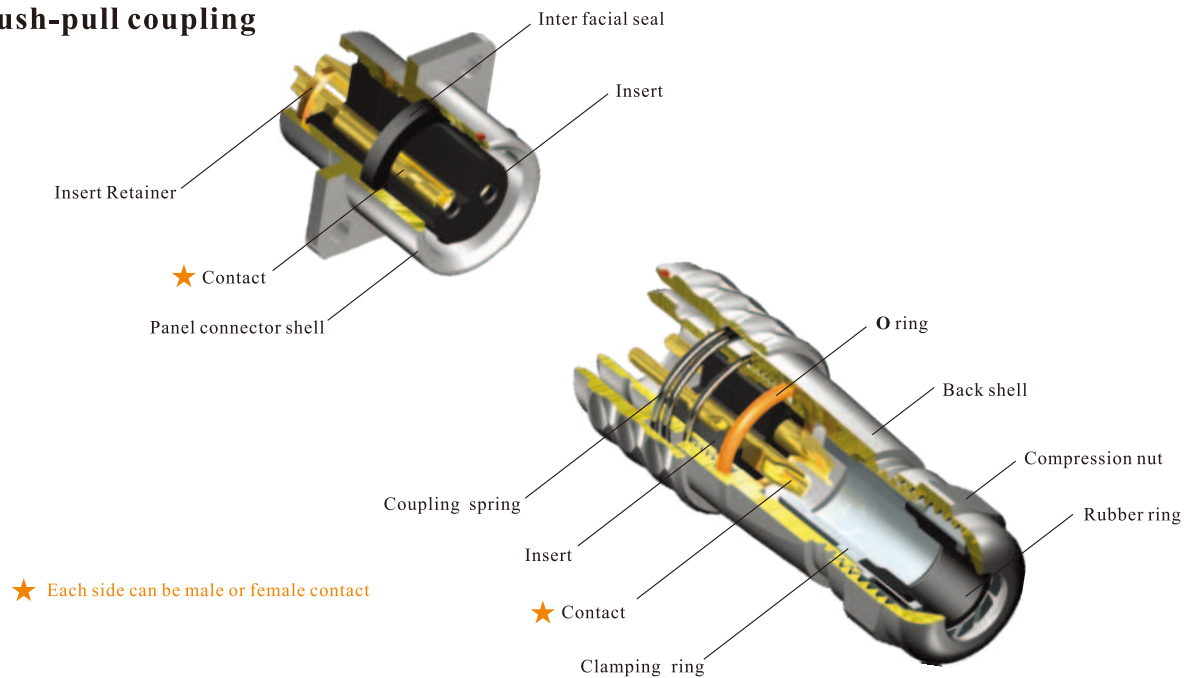




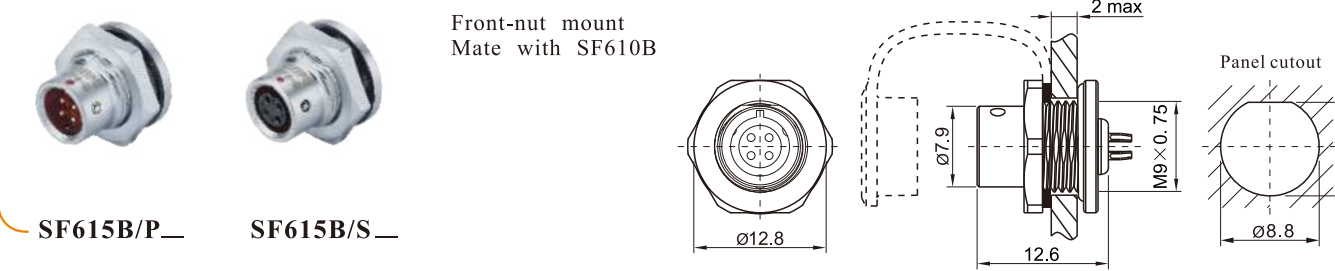
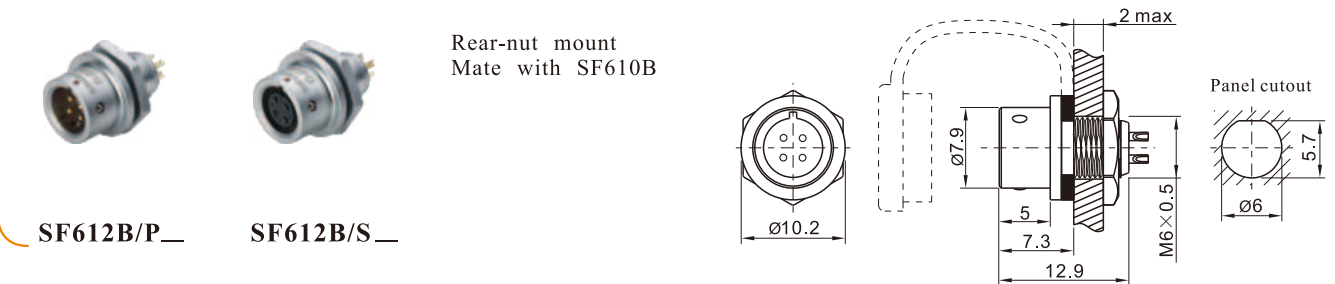
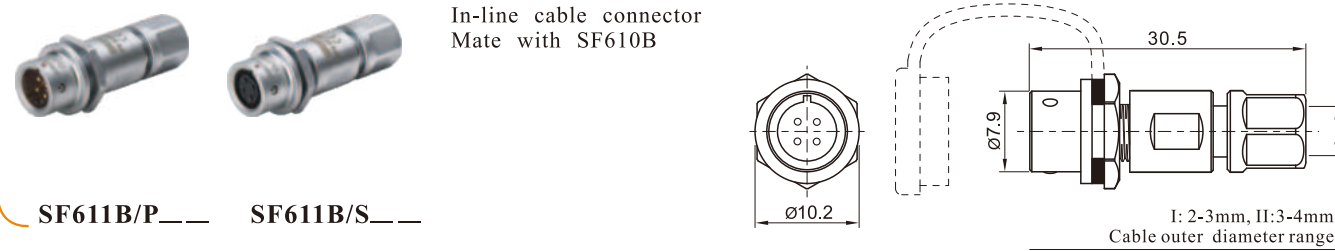
- SF Series IP67
- Push-pull coupling



### 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<br>Crimp: SF16, SF20<br>Screw: SF20 (Ø2.5mm contact)                                                                           |
| Cable outer diameter range | SF6: I: 2-3mm, II:3-4mm<br>SF8: I: 3-4mm, II:4-5mm<br>SF10: I: 3-4mm, II:4-6.5mm<br>SF12: I: 4-6.5mm, II: 5-8mm<br>SF16 I: 5-8mm, II:8-12mm<br>SF20 I: 5-9mm, II:8-12mm |
| IP rating                  | IP67                                                                                                                                                                    |
| Mating cycle               | 500                                                                                                                                                                     |
| Temperature range          | -40℃ ~+85℃                                                                                                                                                              |
| Insulation resistance      | 2000MΩ                                                                                                                                                                  |

### SF6 Series



### 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 |

## SF8 Series

SF  
8

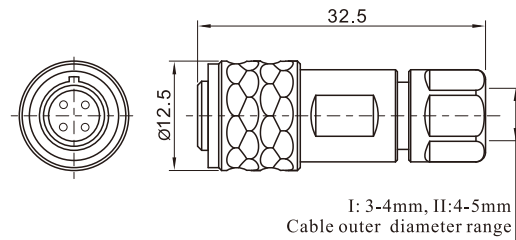
Cable connector  
Mate with SF811B, SF812B,  
SF815B

SF810B/P

SF810B/S

Male contact

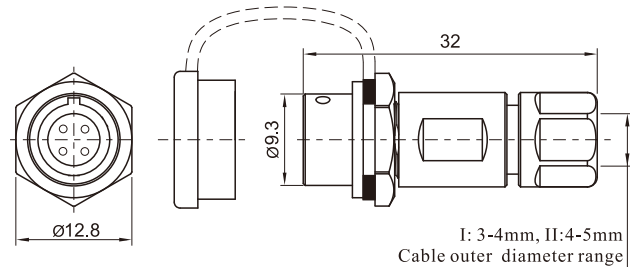
Cable outer diameter range  
I: 3-4mm, II: 4-5mm  
Number of contact  
Female contact



In-line cable connector  
Mate with SF810B

SF811B/P

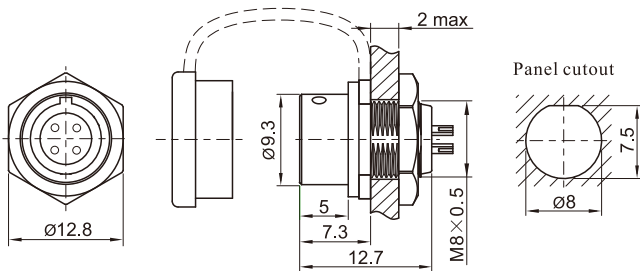
SF811B/S



Rear-nut mount  
Mate with SF810B

SF812B/P

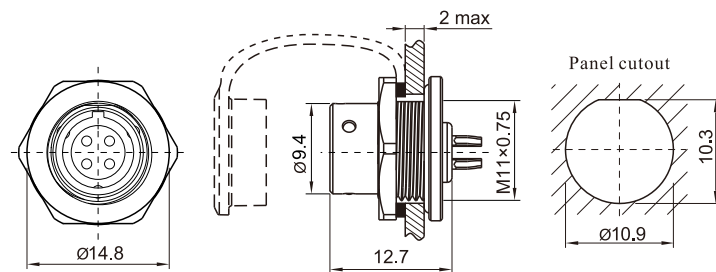
SF812B/S



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

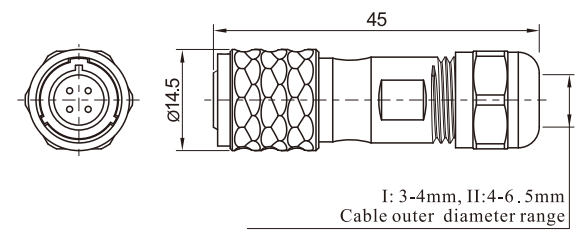
Cable connector  
Mate with SF1011, SF1012,  
SF1015

SF1010/P

SF1010/S

Male contact

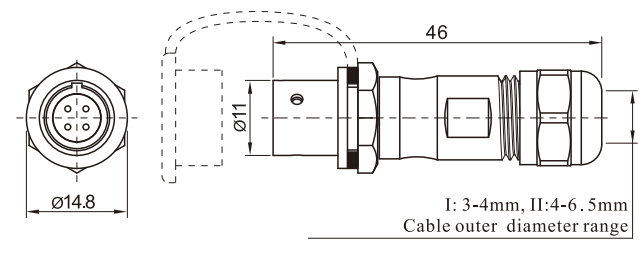
Cable outer diameter range  
I: 3-4mm, II: 4-6.5mm  
Number of contact  
Female contact



In-line cable connector  
Mate with SF1010

SF1011/P

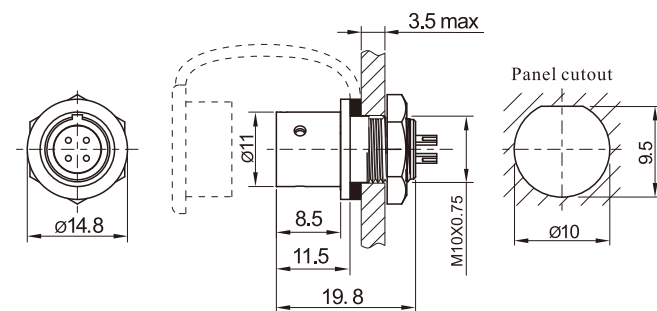
SF1011/S



Rear-nut mount  
Mate with SF1010

SF1012/P

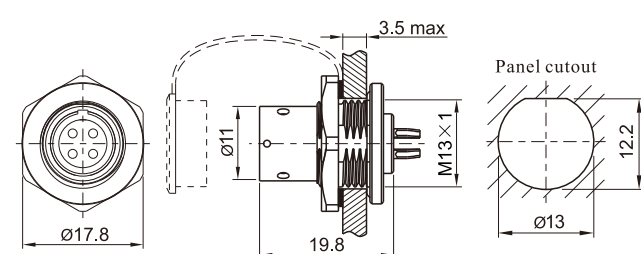
SF1012/S



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

02

SF  
12

**SF1210 / P** — **SF1210 / S**

Male contact

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

**SF1211 / P** — **SF1211 / S**

In-line cable connector  
Mate with SF1210, SF1214

**SF1212 / P** — **SF1212 / S**

Rear-nut mount  
Mate with SF1210, SF1214

Number of contact

**SF1213 / P** — **SF1213 / S**

Square flange  
Mate with SF1210, SF1214

**SF1214 / P** — **SF1214 / S**

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

**SF1215 / P** — **SF1215 / S**

Front-nut mount  
Mate with SF1210, SF1214

SF12 Series

02

SF  
12

**SF1210 / P** — **SF1210 / S**

Male contact

(U): LISTED  
Number of contact  
Female contact

**SF1211 / P** — **SF1211 / S**

In-line cable connector  
Mate with SF1210, SF1214

**SF1212 / P** — **SF1212 / S**

Rear-nut mount  
Mate with SF1210, SF1214

(U): LISTED  
Number of contact

**SF1213 / P** — **SF1213 / S**

Square flange  
Mate with SF1210, SF1214

**SF1214 / P** — **SF1214 / S**

Angled cable connector  
Mate with SF1211, SF1212, SF1213

(U): LISTED

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   |

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 |

SF16 Series

02

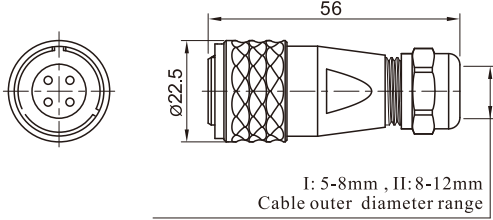


Cable connector  
Mate with SF1611, SF1612,  
SF1613, SF1615

SF  
16

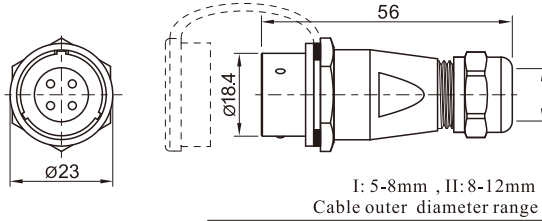
SF1610 / P \_ \_ \_ SF1610 / S \_ \_ \_

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

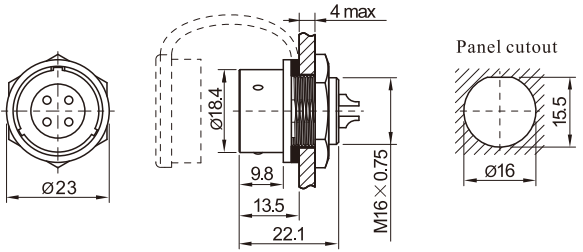
SF1611 / P \_ \_ \_ SF1611 / S \_ \_ \_



Rear-nut mount  
Mate with SF1610

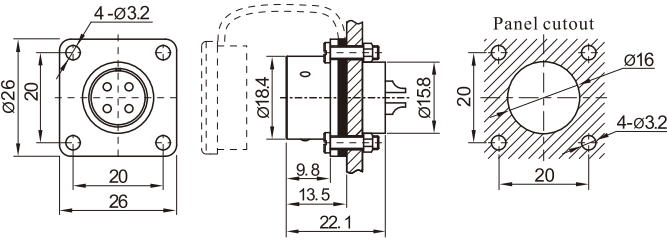
SF1612 / P \_ \_ SF1612 / S \_ \_

1: solder, 3: crimp  
Number of contact



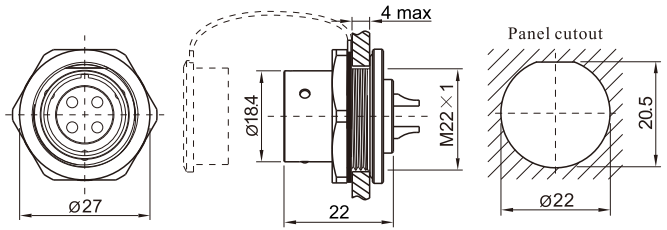
Square flange  
Mate with SF1610

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

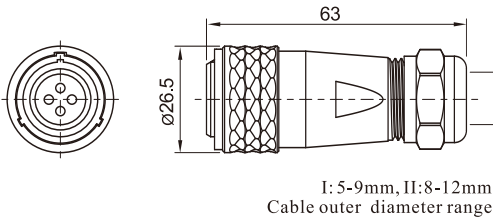
SF  
20



Cable connector  
Mate with SF2011, SF2012,  
SF2013, SF2015

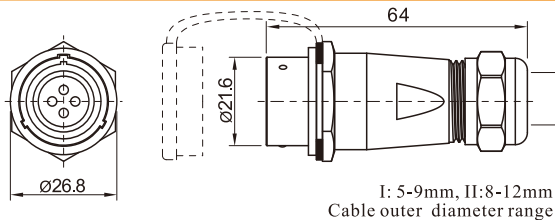
SF2010 / P \_ \_ \_ SF2010 / S \_ \_ \_

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

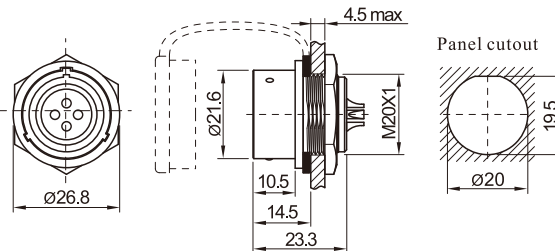
SF2011 / P \_ \_ \_ SF2011 / S \_ \_ \_



Rear-nut mount  
Mate with SF2010

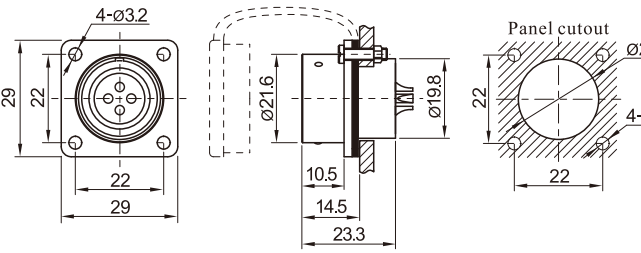
SF2012 / P \_ \_ SF2012 / S \_ \_

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



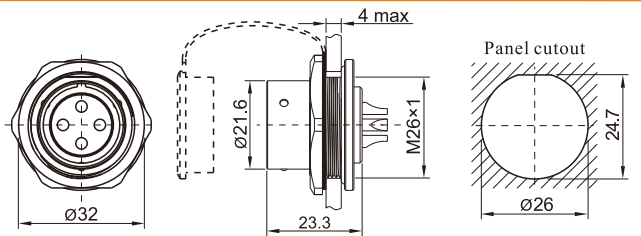
Square flange  
Mate with SF2010

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<br>5           | 30<br>5           | 10     | 10     | 5        | 5        | 5        |
| Contact diameter(mm)                      | Ø2.5X2         | Ø2.5X3         | Ø2.5X4         | Ø1.5X5 | Ø2.5X4<br>Ø1X2    | Ø3X2<br>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<br>5            | 1<br>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<br>≤0.75/18 | ≤4/11<br>≤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<br>25           | 5<br>30           | 10     | 10     | 5        | 5        | 5        |
| Contact diameter(mm)       | Ø2.5×2 | Ø2.5×3 | Ø2.5×4 | Ø1.5×5 | Ø1X2<br>Ø2.5X4    | Ø1X4<br>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<br>1            | 5<br>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<br>≤4/11 | ≤0.75/18<br>≤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<br>25           | 10      | 10      | 5<br>30           | 5        |
| Contact diameter(mm)       | Ø2.5X2 | Ø2.5X3 | Ø2.5X4 | Ø1X5<br>Ø2.5X4    | Ø1.5X10 | Ø1.5X12 | Ø1X9<br>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<br>1            | 2.5     | 2.5     | 5<br>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<br>≤4/11 | ≤2/14   | ≤2/14   | ≤0.75/18<br>≤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<br>Ø1X6      | Ø2.5X4<br>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<br>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<br>≤0.75/18 | ≤4/11<br>≤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<br>50         | 10<br>50         | 10<br>50         | 10<br>25         | 25      | 25      | 25      | 10<br>25         | 10      |
| Contact diameter(mm)       | Ø3.5X4 | Ø1.5X2<br>Ø3.5X4 | Ø1.5X5<br>Ø3.5X3 | Ø1.5X4<br>Ø3.5X4 | Ø1.5X5<br>Ø2.5X5 | Ø2.5X10 | Ø2.5X11 | Ø2.5X12 | Ø1.5X9<br>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<br>0.5       | 2.5<br>0.5       | 2.5<br>0.5       | 2.5<br>1         | 1       | 1       | 1       | 2.5<br>1         | 2.5     |
| Insulation resistance (MΩ) | 2000   | 2000             | 2000             | 2000             | 2000             | 2000    | 2000    | 2000    | 2000             | 2000    |
| Wire size(mm²/AWG)         | ≤10/7  | ≤2/14<br>≤10/7   | ≤2/14<br>≤10/7   | ≤2/14<br>≤10/7   | ≤2/14<br>≤4/11   | ≤4/11   | ≤4/11   | ≤4/11   | ≤2/14<br>≤4/11   | ≤2/14   |

| WS40、WF40、WY40             | 5      | 9                | 15      | 26                | 31      | 52        |
|----------------------------|--------|------------------|---------|-------------------|---------|-----------|
| Male contact face view     |        |                  |         |                   |         |           |
| Rated current (A)          | 50     | 25<br>50         | 10      | 10<br>25          | 10      | 5         |
| Contact diameter(mm)       | Ø3.5X5 | Ø2.5X5<br>Ø3.5X4 | Ø1.5X15 | Ø1.5X22<br>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<br>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<br>≤10/7   | ≤2/14   | ≤2/14<br>≤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<br>25          | 10<br>25          | 10      |
| Contact diameter(mm)       | Ø5.5X5 | Ø3.5X7 | Ø2.5X20 | Ø1.5X26<br>Ø2.5X1 | Ø1.5X33<br>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<br>≤4/11    | ≤2/14<br>≤4/11    | ≤2/14   |

| WS55、WF55、WY55             | 4                  | 7                | 40                 | 53                | 61      |
|----------------------------|--------------------|------------------|--------------------|-------------------|---------|
| Male contact face view     |                    |                  |                    |                   |         |
| Rated current (A)          | 50<br>150          | 50<br>100        | 10<br>25           | 10<br>25          | 10      |
| Contact diameter(mm)       | Ø3.5X1<br>Ø10X3    | Ø3.5X1<br>Ø5.5X6 | Ø1.5X25<br>Ø2.5X15 | Ø1.5X48<br>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<br>0.2         | 0.5<br>0.3       | 2.5<br>1           | 2.5<br>1          | 2.5     |
| Insulation resistance (MΩ) | 2000               | 2000             | 2000               | 2000              | 2000    |
| Wire size(mm²/AWG)         | ≤10/7<br>≤70/(2/0) | ≤10/7<br>≤25/3   | ≤2/14<br>≤4/11     | ≤2/14<br>≤4/11    | ≤2/14   |

| SF16, SA16, SP17, SY17<br>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<br>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<br>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<br>10          | 25      | 10      | 10      |
| Contact diameter(mm)       | Ø3.5X4 | Ø3.5X4<br>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<br>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    |

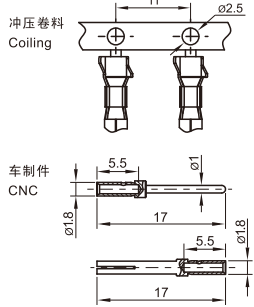
| WS48、WF48、WY48             | 31      | 42      |
|----------------------------|---------|---------|
| Male contact face view     |         |         |
| Rated current (A)          | 25      | 10      |
| Contact diameter(mm)       | Ø2.5X31 | Ø1.5X42 |
| Rated voltage (AC.V)       | 500     | 500     |
| 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

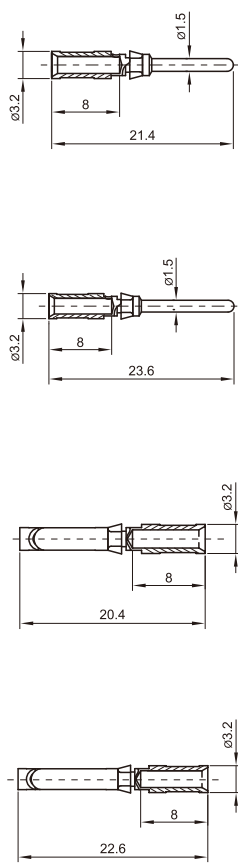


| 5A Male crimp contact              |  |                  |                                  |                   | For SF, SA, SP, SY, WP, WS/ WF/ WY16-28 |
|------------------------------------|--|------------------|----------------------------------|-------------------|-----------------------------------------|
| Wire size                          |  | Stripping length | Male crimp contact p/n           | Crimping tool p/n | Removal tool p/n                        |
| 0.20-0.52mm <sup>2</sup> AWG 24-20 |  | 5.5mm            | YJ1-17-0.52AU-C<br>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            | YK1-17-0.52AU-C<br>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 <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                                  |

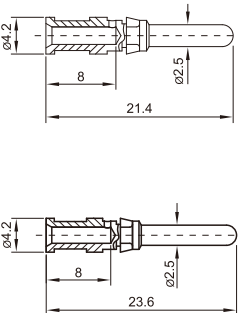
| 10A Male crimp contact             |  |                  |                        |                   | For WS/ WF/ WY32-55 |
|------------------------------------|--|------------------|------------------------|-------------------|---------------------|
| Wire size                          |  | Stripping 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: Ø2.5
- ※ Material: Brass with gold plating
- ※ Contact resistance:1mΩ



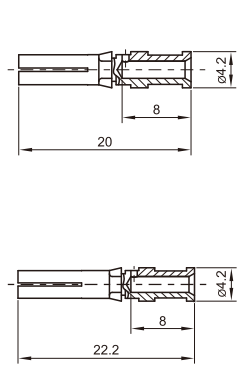
| 25A Male crimp contact         |  |                  |                        |                       | For SF, SA, SP, SY, WP, WS/ WF/ WY16-28 |
|--------------------------------|--|------------------|------------------------|-----------------------|-----------------------------------------|
| Wire size                      |  | Stripping length | Male crimp contact p/n | Crimping tool p/n     | Removal tool p/n                        |
| 0.75-1.0mm <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<br>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<br>CT-4/10 | RT-2.5              |

Crimp contact

25A Crimp contact

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

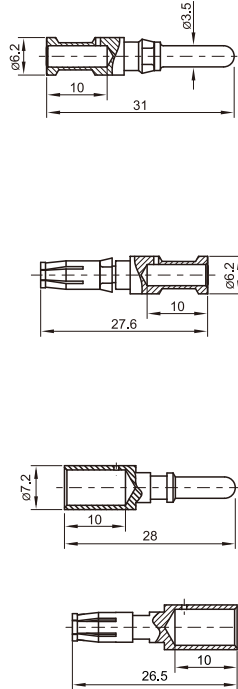


| 25A Female crimp contact       |  |                  |                          |                       | For SF, SA, SP, SY, WP, WS/ WF/ WY16-28 |
|--------------------------------|--|------------------|--------------------------|-----------------------|-----------------------------------------|
| Wire size                      |  | Stripping length | Female crimp contact p/n | Crimping tool p/n     | Removal tool p/n                        |
| 0.75-1.0mm <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<br>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<br>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 <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<br>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<br>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                                    |

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 <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,<br>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<br>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<br>32                                                                            |
| Contact diameter(mm)       | ø3.5X5                                                                              | ø2.5X5<br>ø3.5X4                                                                    |
| Rated voltage (AC.V)       | 500                                                                                 | 500                                                                                 |
| Test voltage(AC.V) 1 min   | 1500                                                                                | 1500                                                                                |
| Contact resistance(mΩ)     | 0.5                                                                                 | 1<br>0.5                                                                            |
| Insulation resistance (MΩ) | 2000                                                                                | 2000                                                                                |
| Wire size (mm² / AWG)      | ≤6/10                                                                               | ≤1.5/15<br>≤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<br>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,<br>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,<br>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                                                                                  |