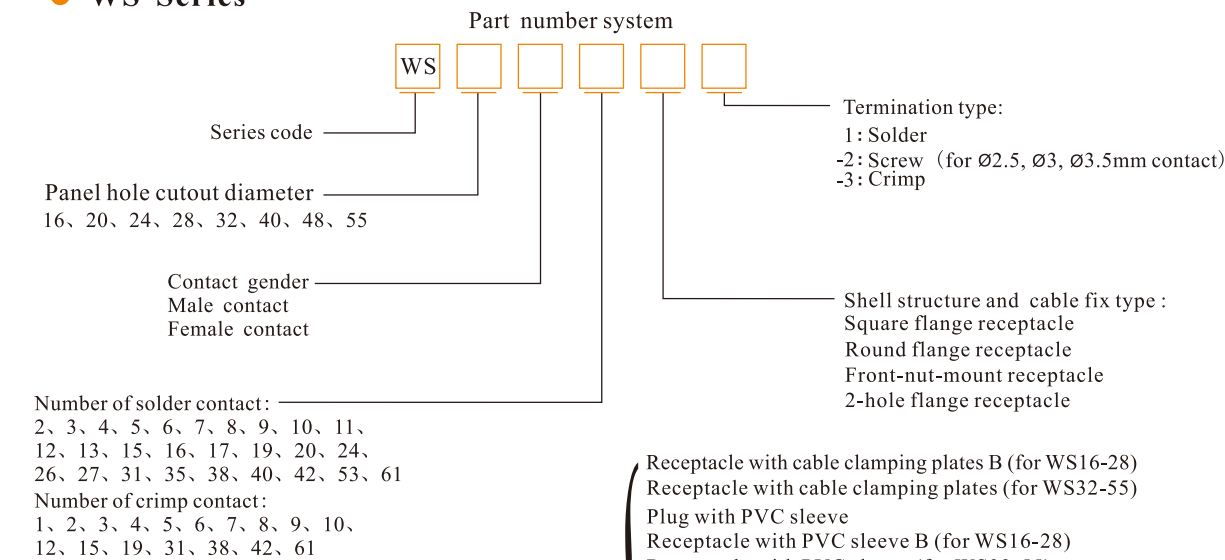




● WS Series



● Remarks : The rated current decreases according to the number of contacts, more contacts, less rated current.

| Number of contact           | 1~3 | 4~10 | 11~20 | 21~30 | 31~40 | 41~50 | 51~61 |
|-----------------------------|-----|------|-------|-------|-------|-------|-------|
| Rated current decrease rate | 0   | 10   | 20    | 30    | 40    | 50    | 60    |

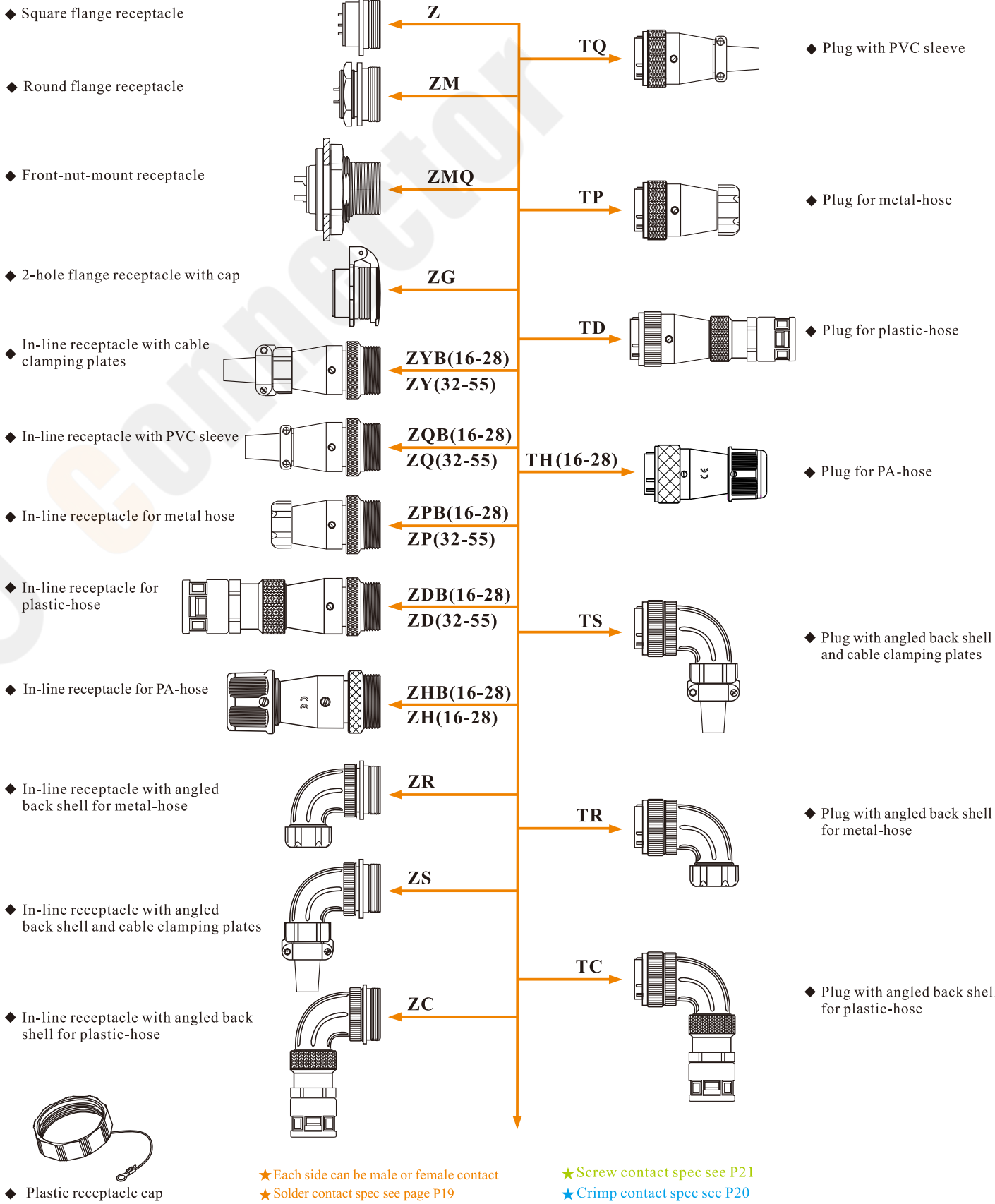
Material and spec

| Coupling          | Threaded                                                                                                |
|-------------------|---------------------------------------------------------------------------------------------------------|
| Shell material    | Zinc alloy with chrome plating                                                                          |
| Insert material   | PPS, max temperature 260 °C                                                                             |
| Contact material  | Brass with gold plating                                                                                 |
| Termination       | Solder: Ø1, Ø1.5, Ø2.5, Ø3.5, Ø5.5mm; Screw: Ø2.5, Ø3, Ø3.5mm; Crimp: Ø1, Ø1.5, Ø2.5, Ø3.5, Ø5.5, Ø10mm |
| Mating cycle      | 500                                                                                                     |
| Temperature range | -40°C ~ +85°C                                                                                           |

★ Each side can be male or female contact  
★ Solder contact spec see page P19  
★ Screw contact spec see P21  
★ Crimp contact spec see P20



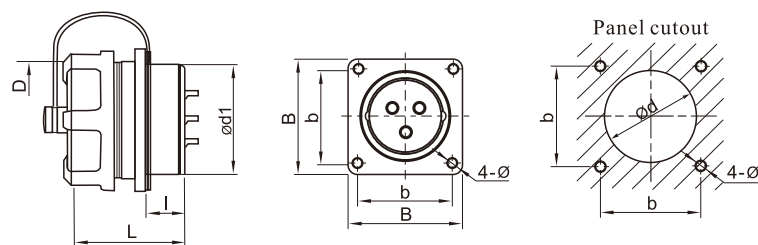
WS Series Mating diagram





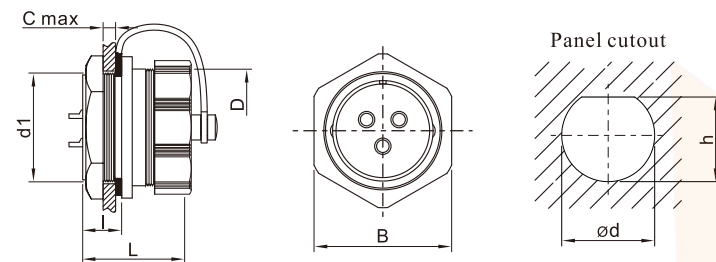


● Square flange mount receptacle: Z



| Dimension(mm) | WS16  | WS20  | WS24  | WS28  | WS32    | WS40    | WS48    | WS55    |
|---------------|-------|-------|-------|-------|---------|---------|---------|---------|
| ød1           | 15.8  | 19.8  | 23.8  | 27.8  | 31.8    | 39.8    | 47.8    | 54.8    |
| D             | M18X1 | M22X1 | M26X1 | M30X1 | M35X1.5 | M44X1.5 | M52X1.5 | M59X1.5 |
| I             | 9.7   | 10    | 10    | 10    | 14.4    | 14.2    | 14.2    | 14      |
| L             | 21.6  | 23    | 23    | 23    | 34      | 34      | 34      | 34      |
| b             | 20    | 22    | 26    | 30    | 32      | 40      | 48      | 52      |
| B             | 26    | 29    | 32    | 36    | 42      | 50      | 58      | 64      |
| ød            | 16.5  | 20.5  | 24.5  | 28.5  | 32.5    | 40.5    | 48.5    | 55.5    |
| ø             | 3.2   | 3.2   | 3.2   | 3.2   | 3.5     | 4.5     | 4.5     | 4.5     |

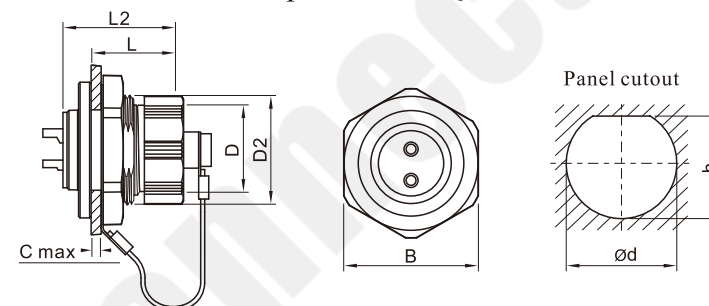
● Round flange receptacle: ZM



| Dimension(mm) | WS16  | WS20  | WS24  | WS28  |
|---------------|-------|-------|-------|-------|
| d1            | M16X1 | M20X1 | M24X1 | M28X1 |
| D             | M18X1 | M22X1 | M26X1 | M30X1 |
| C             | 5     | 5     | 5     | 5     |
| I             | 9.7   | 9.9   | 10    | 10.2  |
| L             | 22    | 23    | 23    | 23    |
| B             | 21.2  | 25.5  | 29.2  | 33.3  |
| ød            | 15.7  | 19.7  | 23.7  | 27.7  |
| h             | 15.3  | 19.3  | 23.2  | 26.9  |

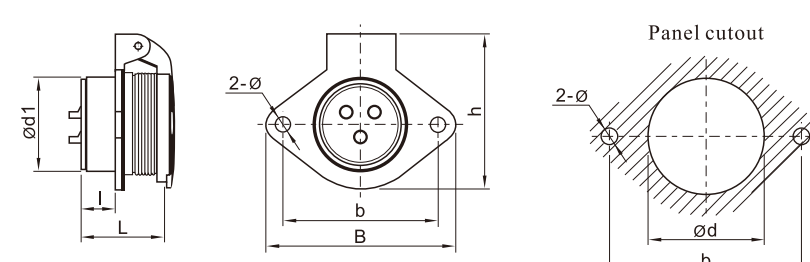


● Front-nut-mount receptacle: ZMQ



| Dimension(mm) | WS16  | WS20  | WS24  | WS28  |
|---------------|-------|-------|-------|-------|
| øD            | M18X1 | M22X1 | M26X1 | M30X1 |
| D2            | M22X1 | M26X1 | M30X1 | M34X1 |
| L             | 16    | 17    | 17    | 17    |
| L2            | 21.6  | 23    | 23    | 23    |
| C             | 5     | 5     | 5     | 5     |
| B             | 26.8  | 30.8  | 34.8  | 38.8  |
| ød            | 22    | 26    | 30    | 34    |
| h             | 20.6  | 24.6  | 28.6  | 32.6  |

● 2-hole flange receptacle with cap: ZG

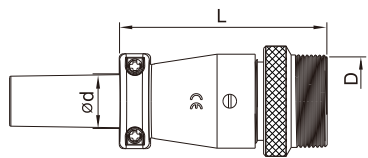


| Dimension(mm) | WS16 | WS20 | WS24 | WS28 | WS32 | WS40 | WS48 | WS55 |
|---------------|------|------|------|------|------|------|------|------|
| ød1           | 15.8 | 19.8 | 23.8 | 27.8 | 31.8 | 39.8 | 47.8 | 54.8 |
| I             | 10   | 10   | 10   | 10   | 15.4 | 14.7 | 14.3 | 14   |
| L             | 22   | 23   | 23   | 23   | 34   | 34   | 34   | 34   |
| b             | 30   | 35   | 40   | 45   | 55   | 65   | 80   | 85   |
| B             | 38   | 44   | 50   | 55   | 67   | 77   | 92   | 98   |
| h             | 32.5 | 36.5 | 40.5 | 45.5 | 52.5 | 63.5 | 74.5 | 80   |
| ød            | 16.5 | 20.5 | 24.5 | 28.5 | 32.5 | 40.5 | 48.5 | 55.5 |
| ø             | 3.5  | 4.5  | 4.5  | 4.5  | 5.5  | 5.5  | 5.5  | 6.5  |





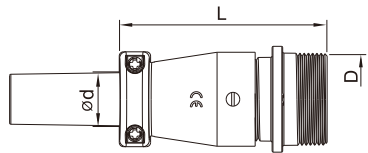
## ● In-line receptacle with PVC sleeve B: ZQB



| Dimension(mm) | WS16  | WS20  | WS24  | WS28  |
|---------------|-------|-------|-------|-------|
| D             | M18X1 | M22X1 | M26X1 | M30X1 |
| L             | 44.5  | 49    | 53    | 55    |
| ød max        | 10.5  | 13    | 13.5  | 17.5  |

P18 Optional cap size see P18  
P18 PVC sleeve dimension see P18

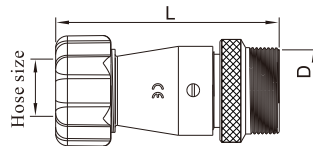
## ● In-line receptacle with PVC sleeve: ZQ



| Dimension(mm) | WS32    | WS40    | WS48    | WS55    |
|---------------|---------|---------|---------|---------|
| D             | M35X1.5 | M44X1.5 | M52X1.5 | M59X1.5 |
| L             | 70.5    | 76.5    | 85      | 97.5    |
| ød max        | 21.5    | 26      | 26      | 32      |

P18 Optional cap size see P18  
P18 PVC sleeve dimension see P18

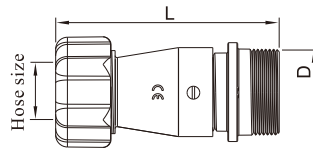
## ● In-line receptacle for metal-hose B: ZPB



| Dimension(mm) | WS16  | WS20  | WS24  | WS28  |
|---------------|-------|-------|-------|-------|
| D             | M18X1 | M22X1 | M26X1 | M30X1 |
| L             | 50    | 57.5  | 60.5  | 64.5  |
| Hose size     | 1/4"  | 3/8"  | 3/8"  | 1/2"  |

Optional cap size see P18

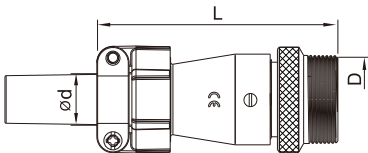
## ● In-line receptacle for metal-hose: ZP



| Dimension(mm) | WS32    | WS40    | WS48                | WS55    |
|---------------|---------|---------|---------------------|---------|
| D             | M35X1.5 | M44X1.5 | M52X1.5             | M59X1.5 |
| L             | 80      | 87      | 97                  | 113     |
| Hose size     | 3/4"    | 1"      | I: 1"<br>II: 1 1/4" | 1 1/4"  |

Optional cap size see P18

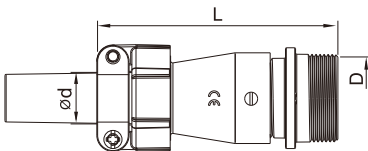
## ● In-line receptacle with cable clamping plates B: ZYB



| Dimension(mm) | WS16  | WS20  | WS24  | WS28  |
|---------------|-------|-------|-------|-------|
| D             | M18X1 | M22X1 | M26X1 | M30X1 |
| L             | 50.5  | 60.5  | 63.5  | 69    |
| ød max        | 10.4  | 13.5  | 13.5  | 17    |

Optional cap size see P18  
PVC sleeve dimension see P18

## ● In-line receptacle with cable clamping plates: ZY

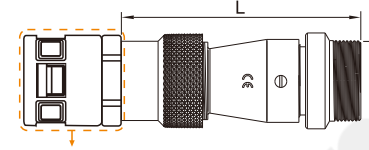


| 尺寸<br>Dimension(mm) | WS32    | WS40    | WS48            | WS55    |
|---------------------|---------|---------|-----------------|---------|
| D                   | M35X1.5 | M44X1.5 | M52X1.5         | M59X1.5 |
| L                   | 86      | 95      | 102             | 117.5   |
| ød max              | 19      | 25      | I: 24<br>II: 32 | 32      |

Optional cap size see P18  
PVC sleeve dimension see P18



## ● In-line receptacle for plastic-hose B: ZDB

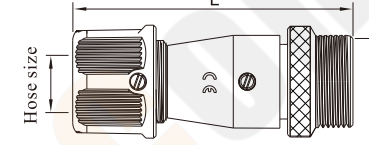


Optional plastic hose adapter

| Dimension(mm)                 | WS16       | WS20        | WS24        | WS28        |
|-------------------------------|------------|-------------|-------------|-------------|
| D                             | M18X1      | M22X1       | M26X1       | M30X1       |
| L                             | 55.5       | 64.5        | 69          | 75.5        |
| Adapter size                  | PG7        | PG11        | PG11        | PG16        |
| model of plastic hose adapter | WQG-PG7(B) | WQG-PG11(B) | WQG-PG11(B) | WQG-PG16(B) |
| Hose size                     | AD10       | AD15.8      | AD15.8      | AD21.2      |

Optional cap size see P18

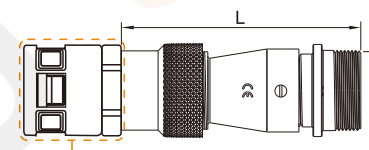
## ● In-line receptacle for PA-hose B: ZHB



| Dimension(mm) | WS16  | WS20   | WS24   | WS28   |
|---------------|-------|--------|--------|--------|
| D             | M18X1 | M22X1  | M26X1  | M30X1  |
| L             | 52.6  | 63     | 67     | 71     |
| Hose size     | AD10  | AD15.8 | AD15.8 | AD21.2 |

Optional cap size see P18

## ● In-line receptacle for plastic-hose: ZD

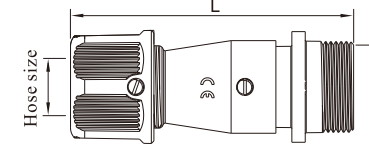


Optional plastic hose adapter

| Dimension(mm)                 | WS32        | WS40        | WS48                              | WS55        |
|-------------------------------|-------------|-------------|-----------------------------------|-------------|
| D                             | M35X1.5     | M44X1.5     | M52X1.5                           | M59X1.5     |
| L                             | 89.5        | 96.5        | 105                               | 119.5       |
| Adapter size                  | PG21        | PG29        | I: PG29<br>II: PG36               | PG36        |
| model of plastic hose adapter | WQG-PG21(B) | WQG-PG29(B) | I: WQG-PG29(B)<br>II: WQG-PG36(B) | WQG-PG36(B) |
| Hose size                     | AD28.5      | AD34.5      | I: AD34.5<br>II: AD42.5           | AD42.5      |

Optional cap size see P18

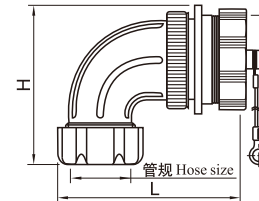
## ● In-line receptacle for PA-hose: ZH



| Dimension(mm) | WS16  | WS20   | WS24   | WS28   |
|---------------|-------|--------|--------|--------|
| D             | M18X1 | M22X1  | M26X1  | M30X1  |
| L             | 55    | 61     | 66     | 70     |
| Hose size     | AD10  | AD15.8 | AD15.8 | AD21.2 |

Optional cap size see P18

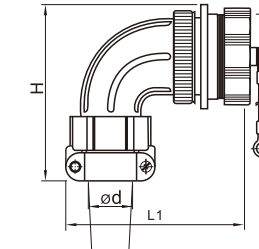
## ● In-line receptacle with angled back shell for metal-hose: ZR



| Dimension(mm) | WS20  | WS24  | WS28  | WS32    | WS40    | WS48    | WS55    |
|---------------|-------|-------|-------|---------|---------|---------|---------|
| D             | M22X1 | M26X1 | M30X1 | M35X1.5 | M44X1.5 | M52X1.5 | M59X1.5 |
| L             | 61    | 60.5  | 64.5  | 83.5    | 90.5    | 97      | 114.5   |
| H             | 48    | 51.5  | 52    | 63.5    | 74.5    | 85      | 98      |
| Hose size     | 3/8"  | 3/8"  | 1/2"  | 3/4"    | 1"      | 1"      | 1 1/4"  |

Optional cap size see P18

## ● In-line receptacle with angled back shell and cable clamping plates: ZS



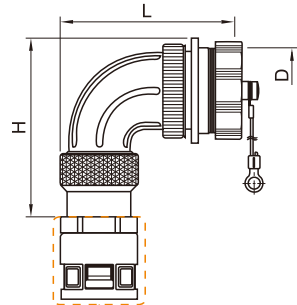
| Dimension(mm) | WS20  | WS24  | WS28  | WS32    | WS40    | WS48    | WS55    |
|---------------|-------|-------|-------|---------|---------|---------|---------|
| D             | M22X1 | M26X1 | M30X1 | M35X1.5 | M44X1.5 | M52X1.5 | M59X1.5 |
| L             | 60.5  | 60.5  | 64.5  | 82      | 89      | 95.5    | 114     |
| H             | 56.5  | 57    | 63.5  | 72      | 83.5    | 94.5    | 112.5   |
| ød max        | 13.5  | 13    | 17    | 19      | 23      | 24      | 32      |

Optional cap size see P18





## ● In-line receptacle with angled back shell for plastic-hose: ZC

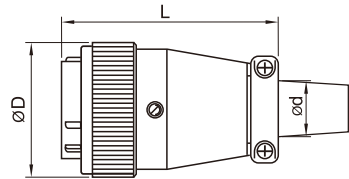


Optional plastic hose adapter

| Dimension(mm)                 | WS20        | WS24        | WS28        | WS32        | WS40        | WS48        | WS55        |
|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| D                             | M22X1       | M26X1       | M30X1       | M35X1.5     | M44X1.5     | M52X1.5     | M59X1.5     |
| L                             | 60          | 61          | 63          | 82          | 88.5        | 95          | 112         |
| H                             | 58          | 60          | 65          | 75.5        | 83          | 95.5        | 104         |
| Adapter size                  | PG11        | PG11        | PG16        | PG21        | PG29        | PG29        | PG36        |
| model of plastic hose adapter | WQG-PG11(B) | WQG-PG11(B) | WQG-PG16(B) | WQG-PG21(B) | WQG-PG29(B) | WQG-PG29(B) | WQG-PG36(B) |
| Hose size                     | AD15.8      | AD15.8      | AD21.2      | AD28.5      | AD34.5      | AD34.5      | AD42.5      |

P18 Optional cap size see P18

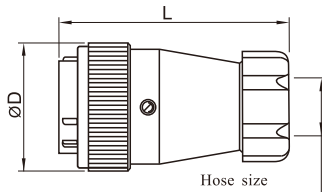
## ● Plug with PVC sleeve: TQ



| Dimension(mm) | WS16 | WS20 | WS24 | WS28 | WS32 | WS40 | WS48 | WS55 |
|---------------|------|------|------|------|------|------|------|------|
| øD            | 21.5 | 26   | 30   | 34   | 39.5 | 49.5 | 57   | 64.5 |
| L             | 44   | 49   | 53   | 55   | 69   | 76   | 85   | 97   |
| ød max        | 10.5 | 13   | 13.5 | 17.5 | 21.5 | 26   | 26   | 32   |

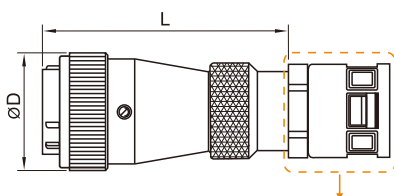
Optional cap size see P18

## ● Plug for metal-hose: TP



| Dimension(mm) | WS16 | WS20 | WS24 | WS28 | WS32 | WS40 | WS48                | WS55   |
|---------------|------|------|------|------|------|------|---------------------|--------|
| øD1           | 21.5 | 26   | 30   | 34   | 39.5 | 49.5 | 57                  | 64.5   |
| L             | 48.5 | 57   | 61   | 64   | 81   | 86   | 96.5                | 112    |
| Hose size     | 1/4" | 3/8" | 3/8" | 1/2" | 3/4" | 1"   | I: 1"<br>II: 1 1/4" | 1 1/4" |

## ● Plug for plastic-hose: TD

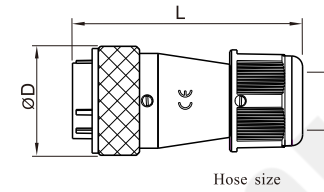


Optional plastic hose adapter

| Dimension(mm)                 | WS16       | WS20        | WS24        | WS28        | WS32        | WS40        | WS48                              | WS55        |
|-------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-----------------------------------|-------------|
| øD                            | 21.5       | 26          | 30          | 34.5        | 39.5        | 49.5        | 57                                | 64.5        |
| L                             | 56         | 64.5        | 68.5        | 73          | 88.5        | 95.5        | 105                               | 119         |
| Adapter size                  | PG7        | PG11        | PG11        | PG16        | PG21        | PG29        | I: PG29<br>II: PG36               | PG36        |
| model of plastic hose adapter | WQG-PG7(B) | WQG-PG11(B) | WQG-PG11(B) | WQG-PG16(B) | WQG-PG21(B) | WQG-PG29(B) | I: WQG-PG29(B)<br>II: WQG-PG36(B) | WQG-PG36(B) |
| Hose size                     | AD10       | AD15.8      | AD15.8      | AD21.2      | AD28.5      | AD34.5      | I: AD34.5<br>II: AD42.5           | AD42.5      |

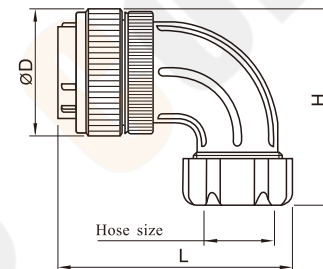


## ● Plug for PA-hose: TH



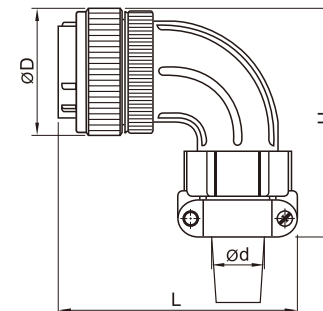
| Dimension(mm) | WS16 | WS20   | WS24   | WS28   |
|---------------|------|--------|--------|--------|
| øD            | 22   | 26.2   | 30     | 34     |
| L             | 52   | 63.5   | 66.5   | 69.5   |
| Hose size     | AD10 | AD15.8 | AD15.8 | AD21.2 |

## ● Plug with angled back shell for metal-hose: TR



| Dimension(mm) | WS20 | WS24 | WS28 | WS32 | WS40 | WS48 | WS55   |
|---------------|------|------|------|------|------|------|--------|
| øD            | 27.5 | 31   | 35   | 39   | 49   | 57   | 64.5   |
| H             | 50   | 51   | 54.5 | 63   | 73   | 89   | 97.5   |
| L             | 60   | 60   | 64   | 82   | 87.5 | 94   | 115    |
| Hose size     | 3/8" | 3/8" | 1/2" | 3/4" | 1"   | 1"   | 1 1/4" |

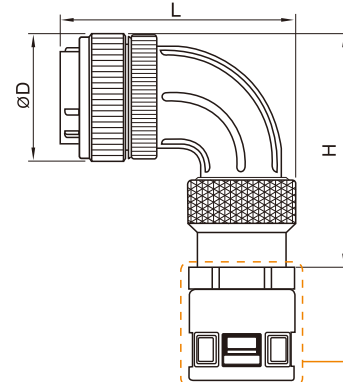
## ● Plug with angled back shell with cable clamping plates: TS



| Dimension(mm) | WS20 | WS24 | WS28 | WS32 | WS40 | WS48 | WS55 |
|---------------|------|------|------|------|------|------|------|
| øD            | 27.5 | 31   | 35   | 39   | 49.5 | 57   | 65   |
| H             | 53.5 | 56   | 61   | 67.5 | 78   | 91   | 99.5 |
| L             | 60   | 60   | 64   | 81   | 88   | 95   | 106  |
| ød max        | 13.5 | 13.5 | 16.8 | 19   | 23.5 | 24   | 32   |

P18 Optional cap size see P18

## ● Plug with right angle back shell for plastic-hose: TC



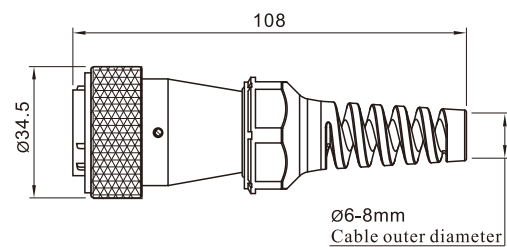
| Dimension(mm)                 | WS20        | WS24        | WS28        | WS32        | WS40        | WS48        | WS55        |
|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| øD                            | 27.5        | 31          | 35          | 39          | 49.5        | 57          | 64.5        |
| H                             | 57          | 62          | 65          | 71.5        | 82          | 96          | 104         |
| L                             | 59.5        | 60          | 63          | 81          | 88          | 94          | 112         |
| Adapter size                  | PG11        | PG11        | PG16        | PG21        | PG29        | PG29        | PG36        |
| model of plastic hose adapter | WQG-PG11(B) | WQG-PG11(B) | WQG-PG16(B) | WQG-PG21(B) | WQG-PG29(B) | WQG-PG29(B) | WQG-PG36(B) |
| Hose size                     | AD15.8      | AD15.8      | AD21.2      | AD28.5      | AD34.5      | AD34.5      | AD42.5      |

Optional plastic hose adapter

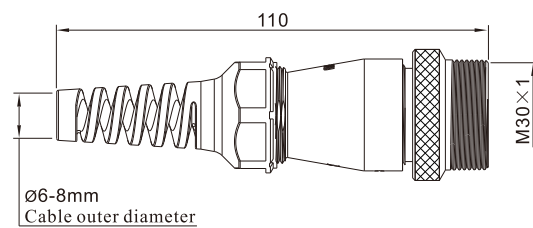




● Plug with strain relief: TX



● In-line receptacle with anti-bending sleeve B: ZXB



★ It can be produced 28 modle,other models are customizable

Solder contact spec

★ Crimp contact spec see P20

★ Screw contact spec see P21

| WS28                             | 2              | 3              | 4              | 7              | 8              | 8B                | 9                 | 10             | 10B     | 12      | 16      | 17      | 20       | 24       | 26       | 35       |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|-------------------|-------------------|----------------|---------|---------|---------|---------|----------|----------|----------|----------|
| Male contact face view           |                |                |                |                |                |                   |                   |                |         |         |         |         |          |          |          |          |
| Rated current (A)                | 50             | 50             | 25             | 25             | 25             | 60、5              | 25、5              | 25             | 10      | 10      | 10      | 10      | 5        | 5        | 5        | 5        |
| Contact diameter(mm)             | Ø3.5X2         | Ø3.5X3         | Ø2.5X4         | Ø2.5X7         | Ø2.5X8         | Ø5X2<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        |
| Termination                      | solder / screw | solder / screw | solder / screw | solder / screw | solder / screw | solder            | solder            | solder / screw | solder  | solder  | solder  | solder  | solder   | solder   | solder   | solder   |
| Wire size (mm <sup>2</sup> /AWG) | ≤10/7          | ≤10/7          | ≤4/11          | ≤4/11          | ≤4/11          | ≤16/5<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 |
| Wire size for screw termination  | ≤6/10          | ≤6/10          | ≤1.5/15        | ≤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 | Ø3.5X3 | 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  | ≤16/5<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 | 1                                                                                 | 2                                                                                 | 3                                                                                   | 4                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Male contact face view                     |  |  |  |  |
| Rated current (A)                          | 50                                                                                | 10                                                                                | 10                                                                                  | 5                                                                                   |
| Contact diameter(mm)                       | Ø3.5X1                                                                            | Ø1.5X2                                                                            | Ø1.5X3                                                                              | Ø1X4                                                                                |
| Rated voltage (AC.V)                       | 500                                                                               | 500                                                                               | 500                                                                                 | 400                                                                                 |
| Test voltage(AC.V) 1 min                   | 1500                                                                              | 1500                                                                              | 1500                                                                                | 1200                                                                                |
| Contact resistance(mΩ)                     | 0.5                                                                               | 2.5                                                                               | 2.5                                                                                 | 5                                                                                   |
| Insulation resistance (MΩ)                 | 2000                                                                              | 2000                                                                              | 2000                                                                                | 2000                                                                                |

| SF20, SA20, SP21, SY21<br>WS20, WF20, WY20, WP20 | 1                                                                                 | 2                                                                                 | 3                                                                                 | 4                                                                                 | 5                                                                                  | 7                                                                                   | 7B                                                                                  | 8                                                                                   |
|--------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Male contact face view                           |  |  |  |  |  |  |  |  |
| Rated current (A)                                | 100                                                                               | 25                                                                                | 25                                                                                | 25                                                                                | 10                                                                                 | 10                                                                                  | 5                                                                                   | 5                                                                                   |
| Contact diameter(mm)                             | Ø5.5X1                                                                            | Ø2.5X2                                                                            | Ø2.5X3                                                                            | Ø2.5X4                                                                            | Ø1.5X5                                                                             | Ø1.5X7                                                                              | Ø1X7                                                                                | Ø1X8                                                                                |
| Rated voltage (AC.V)                             | 500                                                                               | 500                                                                               | 500                                                                               | 500                                                                               | 500                                                                                | 500                                                                                 | 400                                                                                 | 400                                                                                 |
| Test voltage(AC.V) 1 min                         | 1500                                                                              | 1500                                                                              | 1500                                                                              | 1500                                                                              | 1500                                                                               | 1500                                                                                | 1200                                                                                | 1200                                                                                |
| Contact resistance(mΩ)                           | 0.3                                                                               | 1                                                                                 | 1                                                                                 | 1                                                                                 | 2.5                                                                                | 2.5                                                                                 | 5                                                                                   | 5                                                                                   |
| Insulation resistance (MΩ)                       | 2000                                                                              | 2000                                                                              | 2000                                                                              | 2000                                                                              | 2000                                                                               | 2000                                                                                | 2000                                                                                | 2000                                                                                |

| SA24, SP25, SY25<br>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>Ø1.5X2                                                                    | Ø2.5X10                                                                             | Ø1.5X15                                                                             | Ø1.5X19                                                                             |
| Rated voltage (AC.V)       | 500                                                                                 | 500                                                                                 | 500                                                                                 | 500                                                                                 | 500                                                                                 |
| Test voltage(AC.V) 1 min   | 1500                                                                                | 1500                                                                                | 1500                                                                                | 1500                                                                                | 1500                                                                                |
| Contact resistance(mΩ)     | 0.5                                                                                 | 0.5<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                                                                                  |

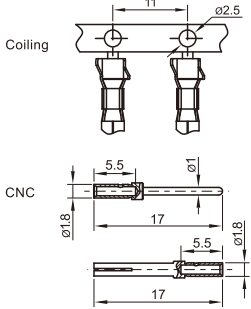
| WS55, WF55, WY55           | 38                                                                                    | 61                                                                                    |
|----------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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

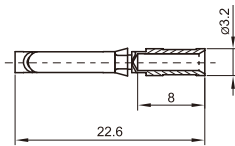
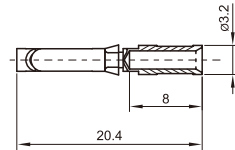
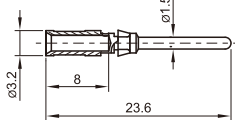
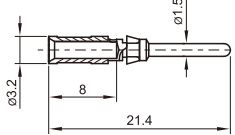


| 5A Male crimp contactFor SF, SA, SP, SY, WP, WS/WF/WY16-28 |  |                  |                                                  |                   |                  |
|------------------------------------------------------------|--|------------------|--------------------------------------------------|-------------------|------------------|
| 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            | Part number YJ1-17-0.52AU-C<br>QEC YJ1-17-0.52AU | CT-P20/28         | RT-1.0           |

| 5A Female crimp contactFor 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            | Part number YK1-17-0.52AU-C<br>QEC 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 contactFor 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           |

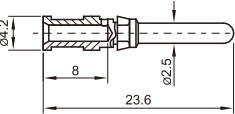
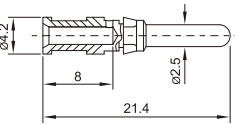
| 10A Male crimp contactFor WS/WF/WY32-55 |  |                  |                        |                   |                  |
|-----------------------------------------|--|------------------|------------------------|-------------------|------------------|
| Wire size                               |  | 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 contactFor 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 contactFor 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



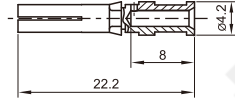
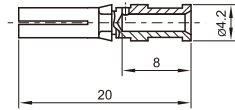
| 25A Male crimp contactFor SF, SA, SP, SY, WP, WS/WF/WY16-28 |  |                  |                        |                       |                  |
|-------------------------------------------------------------|--|------------------|------------------------|-----------------------|------------------|
| 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用于WS/WF/WY32-55型产品<br>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

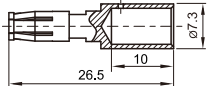
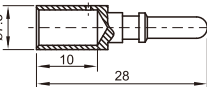
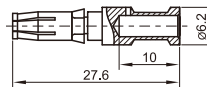
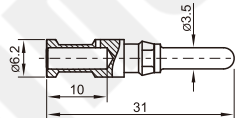


| 25A Female crimp contactFor SF, SA, SP, SY, WP, WS/WF/WY16-28 |  |                  |                          |                       |                  |
|---------------------------------------------------------------|--|------------------|--------------------------|-----------------------|------------------|
| 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 contactFor 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 contactFor 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 contacFor 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 contactFor 2 & 3 pins of SP29, SY29, SA28, WS/WF/WY28 |  |                  |                        |                   |                  |
|----------------------------------------------------------------------|--|------------------|------------------------|-------------------|------------------|
| Wire size                                                            |  | Stripping length | Male crimp contact p/n | Crimping tool p/n | Removal tool p/n |
| 4.0mm <sup>2</sup> AWG 12                                            |  | 10mm             | YJ3.5-28-4.0AU         | CT-4/10           | RT-3.5           |
| 6.0mm <sup>2</sup> AWG 10                                            |  | 10mm             | YJ3.5-28-6.0AU         | CT-4/10           | RT-3.5           |
| 10.0mm <sup>2</sup> AWG 7                                            |  | 10mm             | YJ3.5-28-10.0AU        | CT-4/10           | RT-3.5           |
| 16.0mm <sup>2</sup> AWG 5                                            |  | 10mm             | YJ3.5-28-16.0AU        | CT-4/10           | RT-3.5           |

| 50A Female crimp contactFor 2 & 3 pins of SP29, SY29, SA28, WS/WF/WY28 |  |                  |                          |                   |                  |
|------------------------------------------------------------------------|--|------------------|--------------------------|-------------------|------------------|
| Wire size                                                              |  | Stripping length | Female crimp contact p/n | Crimping tool p/n | Removal tool p/n |
| 4.0mm <sup>2</sup> AWG 12                                              |  | 10mm             | YK3.5-26.5-4.0AU         | CT-4/10           | RT-3.5           |
| 6.0mm <sup>2</sup> AWG 10                                              |  | 10mm             | YK3.5-26.5-6.0AU         | CT-4/10           | RT-3.5           |
| 10.0mm <sup>2</sup> AWG 7                                              |  | 10mm             | YK3.5-26.5-10.0AU        | CT-4/10           | RT-3.5           |
| 16.0mm <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 |

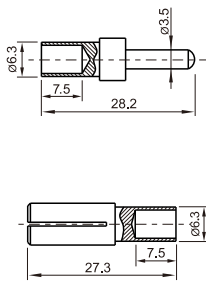


50A Crimp contact

※ Contact diameter: Ø3.5

※ Material:brass with silver plating

※ Contact resistance:0.5mΩ



50A Male crimp contact

For WS/WF/WY16/SY17/SP17/SA16/SF16

| Wire size           |       | Stripping length | Crimping tool p/n |
|---------------------|-------|------------------|-------------------|
| 10.0mm <sup>2</sup> | AWG 7 | 10mm             | YQK-70            |

50A Female crimp contact

For WS/WF/WY16/SY17/SP17/SA16/SF16

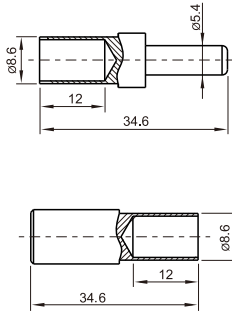
| Wire size           |       | Stripping length | Crimping tool p/n |
|---------------------|-------|------------------|-------------------|
| 10.0mm <sup>2</sup> | AWG 7 | 10mm             | YQK-70            |

100A Crimp contact

※ Contact diameter: Ø5.5

※ Material:brass with silver plating

※ Contact resistance:0.3mΩ



100A Male crimp contact

For WS/WF/WY20/SP21/SY21/SA20/SF20/WP20

| Wire size         |       | Stripping length | Crimping tool p/n |
|-------------------|-------|------------------|-------------------|
| 25mm <sup>2</sup> | AWG 3 | 10mm             | YQK-70            |

100A Female crimp contact

For WS/WF/WY20/SP21/SY21/SA20/SF20/WP20

| Wire size         |       | Stripping length | Crimping tool p/n |
|-------------------|-------|------------------|-------------------|
| 25mm <sup>2</sup> | AWG 3 | 10mm             | YQK-70            |

Crimp tool

For crimping the male / female contacts



| Part number | Crimping wire range            |
|-------------|--------------------------------|
| YQK-70      | 4-70mm <sup>2</sup> AWG 11-2/0 |



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,<br>WY24, SP25, SY25 | 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<br>SP29,SY29 | 2                                                                                 | 3                                                                                 | 7                                                                                   |
|-------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Male contact face view              |  |  |  |
| Rated current (A)                   | 50                                                                                | 50                                                                                | 25                                                                                  |
| Contact diameter(mm)                | ø3.5X2                                                                            | ø3.5X3                                                                            | ø2.5X7                                                                              |
| Rated voltage (AC.V)                | 500                                                                               | 500                                                                               | 500                                                                                 |
| Test voltage(AC.V) 1 min            | 1500                                                                              | 1500                                                                              | 1500                                                                                |
| Contact resistance(mΩ)              | 0.5                                                                               | 0.5                                                                               | 1                                                                                   |
| Insulation resistance (MΩ)          | 2000                                                                              | 2000                                                                              | 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                                                                                  |