

IP 67

**M23**  
Power



## ● M23 for power

### Material and spec

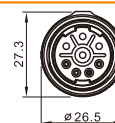
|                            |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| Shell material             | Zinc alloy with nickel plating                                                    |
| Contact material           | Brass with gold plating                                                           |
| Insert material            | PA66                                                                              |
| Insulation resistance      | $> 10^{13} \text{ m}\Omega$                                                       |
| Termination                | Crimp                                                                             |
| Temperature range          | $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$                                   |
| Mating cycle               | 1000                                                                              |
| Cable outer diameter range | I: 4-8mm (Special order)<br>II: 8-13mm (Standard)<br>III: 12-17mm (Special order) |
| IP rating                  | IP67                                                                              |
| Coupling                   | Threaded coupling                                                                 |

#### Male contact cable connector



M23DJ TK  
Number of contact

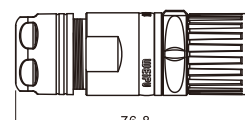
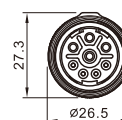
- Colour
- Gray:GY (Standard)
- Black:BK (Special order),Orange:OG (Special order)
- Blue:BU (Special order),Green:GN (Special order)
- Purple:PL (Special order)
- Cable outer diameter range
- I: 4-8mm (Special order) II: 8-13mm (Standard)
- III: 12-17mm (Special order)
- S: Shield
- U: Unshielded



#### Female contact cable connector



M23DK TK \_ \_ \_



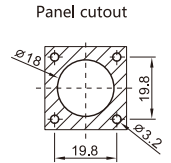
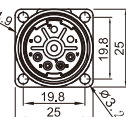
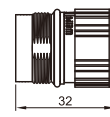


### Male contact square flange receptacle

M23DJ \_Z\_

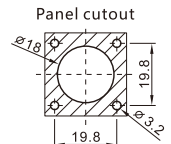
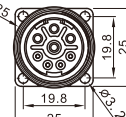
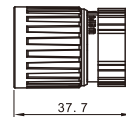
Number of contact

Colour  
Gray:GY (Standard)  
Black:BK (Special order),Orange:OG (Special order)  
Blue:BU (Special order),Green:GN (Special order)  
Purple:PL (Special order)



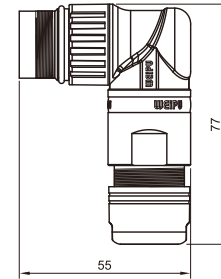
### Female contact square flange receptacle

M23DK \_Z\_



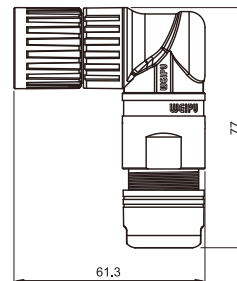
### Male contact angled cable connector

M23DJ \_TL\_ \_ \_



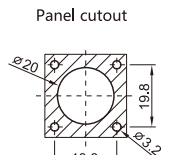
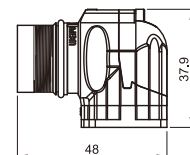
### Female contact angled cable connector

M23DK \_TL\_ \_ \_



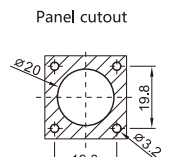
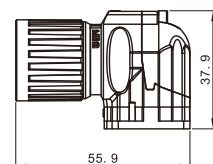
### Male contact angled square flange receptacle

M23DJ \_ZL\_



### Female contact angled square flange receptacle

M23DK \_ZL\_



M23 for power contact arrangement and spec

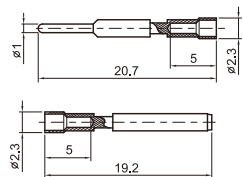
| Male contact face view                                                            | Number of contact | Contact diameter (mm) | Rated voltage (AC.V) | Rated current (A) | Test voltage (AC.V)1min |
|-----------------------------------------------------------------------------------|-------------------|-----------------------|----------------------|-------------------|-------------------------|
|  | 6(5+PE)           | ø2                    | 600                  | 28                | 4000                    |
|  | 8(3+4+PE)         | ø1×4<br>ø2×4          | 300<br>600           | 8<br>28           | 2500                    |

## M23 contact spec

### 8A Crimp contact

Contact diameter:  $\varnothing 1$

Material: Brass with gold plating



#### 8A Male crimp contact

| Wire size                         | Stripping length | Male crimp contact p/n | Crimping tool p/n |
|-----------------------------------|------------------|------------------------|-------------------|
| 0.25-1.0mm <sup>2</sup> AWG 23-17 | 4mm              | YJ1-20.7-1.0AU         | CT-W26/12         |

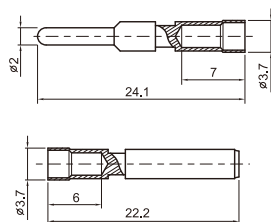
#### 8A Female crimp contact

| Wire size                         | Stripping length | Female crimp contact p/n | Crimping tool p/n |
|-----------------------------------|------------------|--------------------------|-------------------|
| 0.25-1.0mm <sup>2</sup> AWG 23-17 | 4mm              | YK1-19.2-1.0AU           | CT-W26/12         |

### 28A Crimp contact

Contact diameter:  $\varnothing 2$

Material: Brass with gold plating



#### 28A Male crimp contact

| Wire size                      | Stripping length | Male crimp contact p/n | Crimping tool p/n |
|--------------------------------|------------------|------------------------|-------------------|
| 1-2.5mm <sup>2</sup> AWG 18-13 | 7mm              | YJ2-24.1-2.5AU         | CT-W26/12         |
| 2.5-4mm <sup>2</sup> AWG 13-12 | 7mm              | YJ2-24.1-4.0AU         | CT-W26/12         |

#### 28A Female crimp contact

| Wire size                      | Stripping length | Female crimp contact p/n | Crimping tool p/n |
|--------------------------------|------------------|--------------------------|-------------------|
| 1-2.5mm <sup>2</sup> AWG 18-13 | 6mm              | YK2-22.2-2.5AU           | CT-W26/12         |
| 2.5-4mm <sup>2</sup> AWG 13-12 | 6mm              | YK2-22.2-4.0AU           | CT-W26/12         |

### 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    |

IP 67

**M23**  
Signal



## ● M23 for signal

### Material and spec

|                            |                                                                                   |                                     |
|----------------------------|-----------------------------------------------------------------------------------|-------------------------------------|
| Shell material             | Zinc alloy with nickel plating                                                    |                                     |
| Contact material           | Brass with gold plating                                                           |                                     |
| Insert material            | PA66                                                                              |                                     |
| Insulation resistance      | 9、12 pins: $>10^{10} \text{ m}\Omega$                                             | 17、19 pins: $>10^6 \text{ m}\Omega$ |
| Termination                | Crimp                                                                             |                                     |
| Temperature range          | $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$                                   |                                     |
| Mating cycle               | 1000                                                                              |                                     |
| Cable outer diameter range | I: 4-8mm (Special order)<br>II: 8-13mm (Standard)<br>III: 12-17mm (Special order) |                                     |
| IP rating                  | IP67                                                                              |                                     |
| Coupling                   | Threaded coupling                                                                 |                                     |

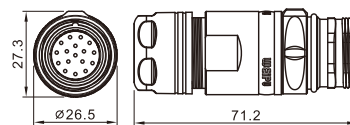
#### Male contact cable connector



M23SJ TK

Number of contact

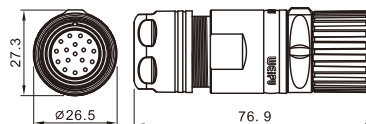
Coded chuck (See P7)  
N: Gray (Standard), S: Black (Special order)  
H: Orange (Special order), X: Blue (Special order)  
Y: Green (Special order), Z: Purple (Special order)  
Cable outer diameter range  
I: 4-8mm (Special order) II: 8-13mm (Standard)  
III: 12-17mm (Special order)  
S: Shield  
U: Unshielded



#### Female contact cable connector



M23SK TK



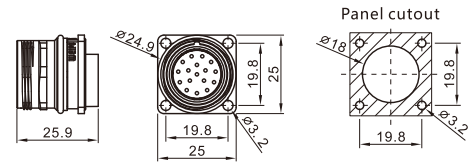


### Male contact square flange receptacle

M23SJ\_Z

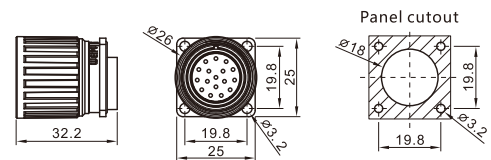
Number of contact

Coded chuck (See P7)  
N: Gray (Standard), S: Black (Special order)  
H: Orange (Special order), X: Blue (Special order)  
Y: Green (Special order), Z: Purple (Special order)



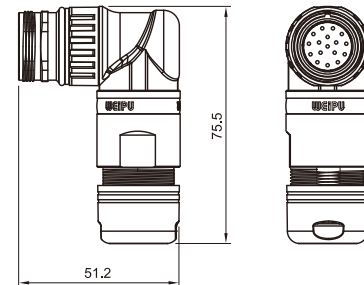
### Female contact square flange receptacle

M23SK\_Z



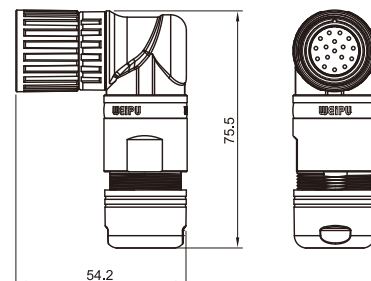
### Male contact angled cable connector

M23SJ\_TL\_



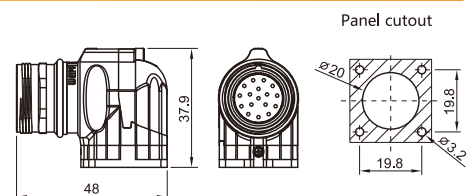
### Female contact angled cable connector

M23SK\_TL\_



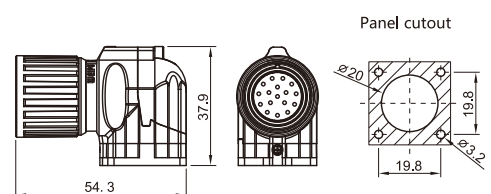
### Male contact angled square flange receptacle

M23SJ\_ZL\_

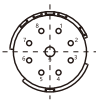
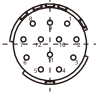
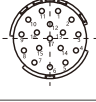
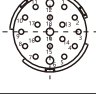


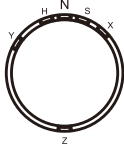
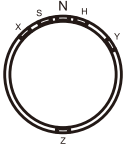
### Female contact angled square flange receptacle

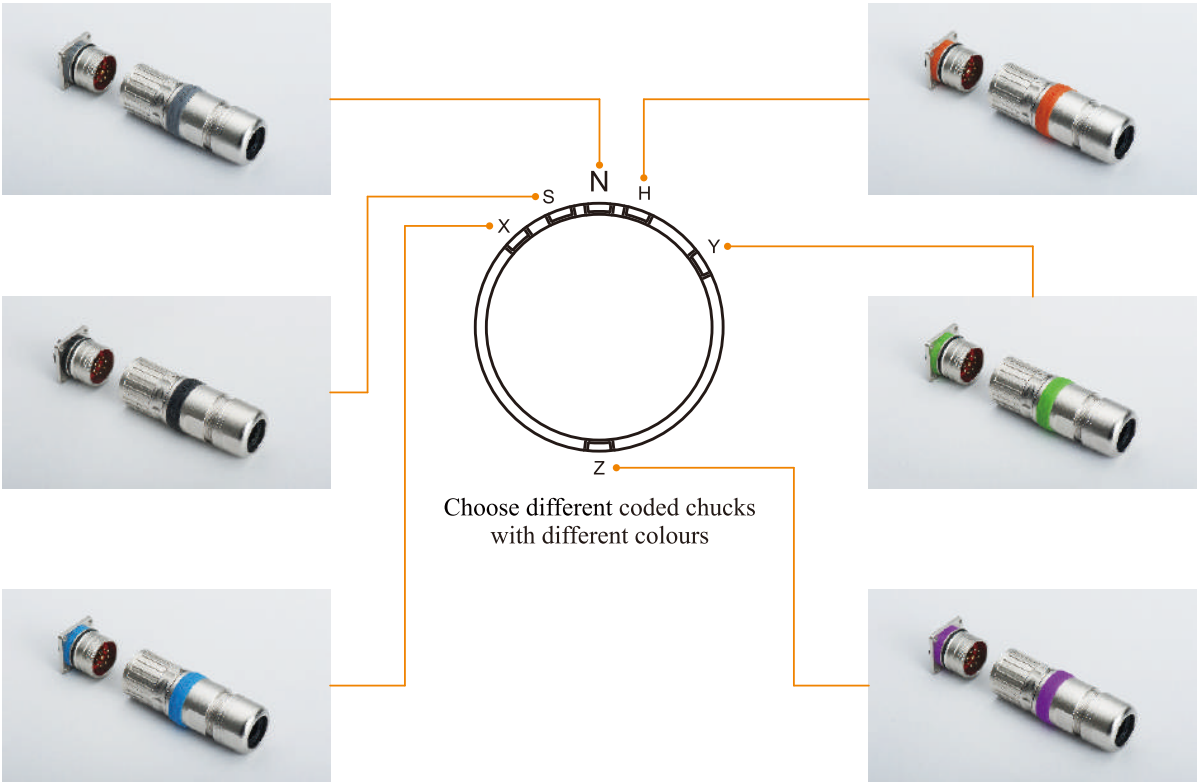
M23SK\_ZL\_



M23 for signal contact arrangement and spec

| Male contact face view                                                            | Number of contact | Contact diameter (mm) | Rated voltage (AC.V) | Rated current (A) | Test voltage (AC.V)1min |
|-----------------------------------------------------------------------------------|-------------------|-----------------------|----------------------|-------------------|-------------------------|
|  | 9(8+1)            | ø1×8<br>ø2×1          | 300                  | 8<br>20           | 2500                    |
|  | 12                | ø1×12                 | 300                  | 8                 | 2500                    |
|  | 17                | ø1×17                 | 150                  | 8                 | 1500                    |
|  | 19(16+3)          | ø1×16<br>ø1.5×3       | 150                  | 8<br>10           | 1500                    |

| Number of Contact                                                                               | Optional Angle | Coded Chuck                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9 -----                                                                                         | N,S,H,X,Y      | <br>Female contact face view<br><br>Male contact face view |
| 12 -----                                                                                        | N,S,H,X,Y,Z    |                                                                                                                                                                                                                                    |
| 17 -----                                                                                        | N,S,H,X,Y,Z    |                                                                                                                                                                                                                                    |
| 19 -----                                                                                        | N,S,H,X,Y      |                                                                                                                                                                                                                                    |
| Code N is open in original state, if you need to use another, please open the coded chuck head. |                |                                                                                                                                                                                                                                    |

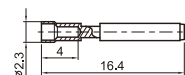
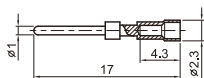


## M23 for signal contact spec

### 8A Crimp contact

Contact diameter:  $\varnothing 1$

Material: Brass with gold plating



#### 8A Male crimp contact

| Wire size                         | Stripping length | Male crimp contact p/n | Crimping tool p/n |
|-----------------------------------|------------------|------------------------|-------------------|
| 0.08-0.5mm <sup>2</sup> AWG 28-20 | 4mm              | YJ1-17-0.56AU          | CT-W32/20         |
| 0.56-1mm <sup>2</sup> AWG 20-17   | 4mm              | YJ1-17-1.0AU           | CT-W26/12         |
| 1-1.5mm <sup>2</sup> AWG 17-16    | 4mm              | YJ1-17-1.5AU           | CT-W26/12         |

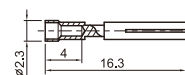
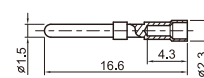
#### 8A Female crimp contact

| Wire size                         | Stripping length | Female crimp contact p/n | Crimping tool p/n |
|-----------------------------------|------------------|--------------------------|-------------------|
| 0.08-0.5mm <sup>2</sup> AWG 28-20 | 4mm              | YK1-16.4-0.56AU          | CT-W32/20         |
| 0.56-1mm <sup>2</sup> AWG 20-17   | 4mm              | YK1-16.4-1.0AU           | CT-W26/12         |
| 1-1.5mm <sup>2</sup> AWG 17-16    | 4mm              | YK1-16.4-1.5AU           | CT-W26/12         |

### 10A Crimp contact

Contact diameter:  $\varnothing 1.5$

Material: Brass with gold plating



#### 10A Male crimp contact

| Wire size                         | Stripping length | Male crimp contact p/n | Crimping tool p/n |
|-----------------------------------|------------------|------------------------|-------------------|
| 0.14-0.5mm <sup>2</sup> AWG 26-20 | 4mm              | YJ1.5-16.6-0.56AU      | CT-W26/12         |
| 0.5-1mm <sup>2</sup> AWG 20-17    | 4mm              | YJ1.5-16.6-1.0AU       | CT-W26/12         |

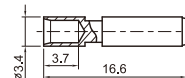
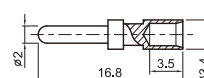
#### 10A Female crimp contact

| Wire size                         | Stripping length | Female crimp contact p/n | Crimping tool p/n |
|-----------------------------------|------------------|--------------------------|-------------------|
| 0.14-0.5mm <sup>2</sup> AWG 26-20 | 4mm              | YK1.5-16.3-0.56AU        | CT-W26/12         |
| 0.56-1mm <sup>2</sup> AWG 20-17   | 4mm              | YK1.5-16.3-1.0AU         | CT-W26/12         |

### 20A Crimp contact

Contact diameter:  $\varnothing 2$

Material: Brass with gold plating



#### 20A Male crimp contact

| Wire size                         | Stripping length | Male crimp contact p/n | Crimping tool p/n |
|-----------------------------------|------------------|------------------------|-------------------|
| 0.75-2.5mm <sup>2</sup> AWG 18-13 | 3.5mm            | YJ2-16.8-2.5AU         | CT-W26/12         |

#### 20A Female crimp contact

| Wire size                         | Stripping length | Female crimp contact p/n | Crimping tool p/n |
|-----------------------------------|------------------|--------------------------|-------------------|
| 0.75-2.5mm <sup>2</sup> AWG 18-13 | 3.5mm            | YK2-16.6-2.5AU           | CT-W26/12         |

### 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    |