

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) II: 8-13mm (Standard) III: 12-17mm (Special order)
IP rating	IP67
Coupling	Threaded coupling

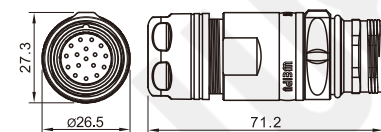
Male contact
cable connector

M23SJ TK

Number of contact

— (P01-07)
N, S
H, X
Y, Z

— Cable outer diameter range
I: 4-8mm (Special order) II: 8-13mm (Standard)
III: 12-17mm (Special order)
— S: Shield
U: Unshielded

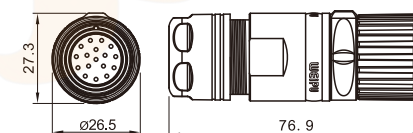


Coded chuck (See P01-07)
N: Gray (Standard), S:Black (Special order)
H: Orange (Special order), X: Blue (Special order)
Y: Green (Special order), Z: Purple (Special order)



Female contact
cable connector

M23SK TK

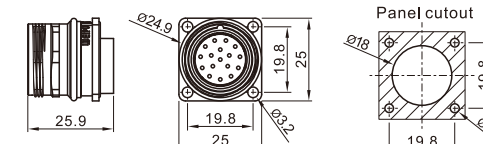


Male contact
square flange receptacle

M23SJ_Z_

Number of contact.

└ (P01-07页)
N, S
H, X
Y, Z



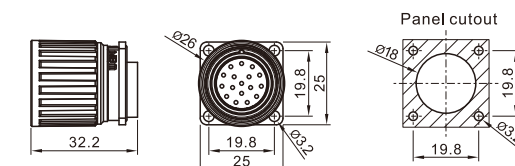
Coded chuck (See P01-07)

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



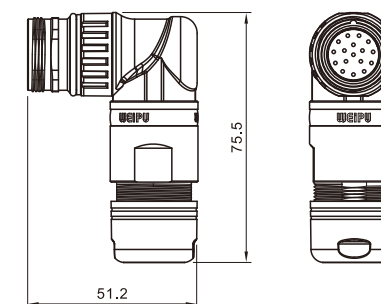
Female contact
square flange receptacle

M23SK Z



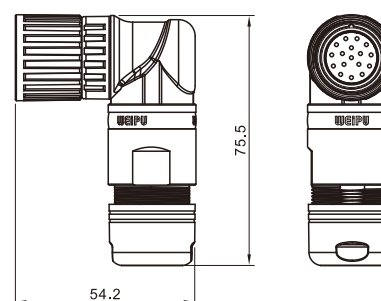
Male contact
angled cable connector

M23SJ TL

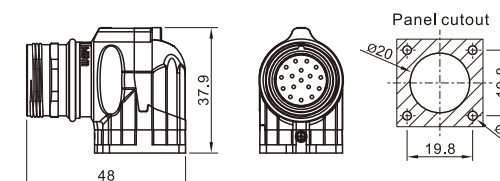


Female contact
angled cable connector

M23SK_TL____

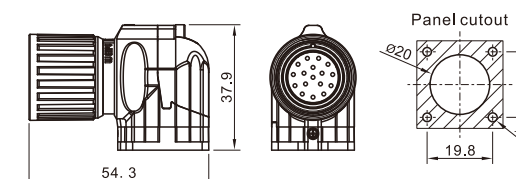
Male contact angled
square flange receptacle

M23SJ ZL



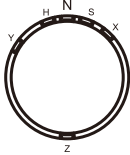
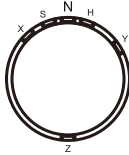
Female contact angled
square flange receptacle

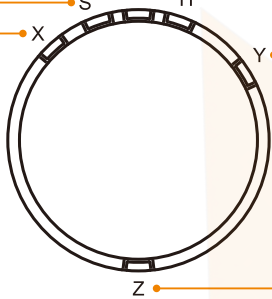
M23SK ZL



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 Ø2×1	300	8 20	2500
	12	Ø1×12	300	8	2500
	17	Ø1×17	150	8	1500
	19(16+3)	Ø1×16 Ø1.5×3	150	8 10	1500

Number of Contact	Optional Angle	Coded Chuck
9	N, S, H, X, Y	  Male contact face view Female 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.		

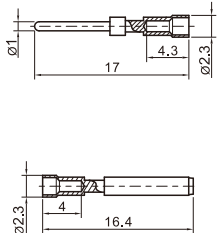


Choose different coded chucks with different colours

M23 for signal contact spec

8A Crimp contact

- ※ Contact diameter: Ø1
- ※ Material: Brass with gold plating

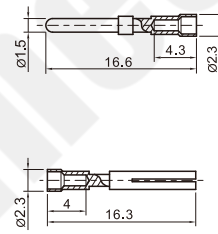


Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.08-0.5mm ² AWG 28-20	4mm	YJ1-17-0.56AU	CTW-0.14/4
0.56-1mm ² AWG 20-17	4mm	YJ1-17-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4mm	YJ1-17-1.5AU	CTW-0.14/4

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.08-0.5mm ² AWG 28-20	4mm	YK1-16.4-0.56AU	CTW-0.14/4
0.56-1mm ² AWG 20-17	4mm	YK1-16.4-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4mm	YK1-16.4-1.5AU	CTW-0.14/4

10A Crimp contact

- ※ Contact diameter: Ø1.5
- ※ Material: Brass with gold plating

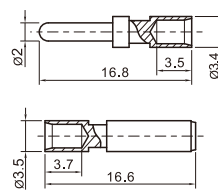


Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.14-0.5mm ² AWG 26-20	4mm	YJ1.5-16.6-0.56AU	CTW-0.14/4
0.5-1mm ² AWG 20-17	4mm	YJ1.5-16.6-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4mm	YJ1.5-16.6-1.5AU	CTW-0.14/4

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.14-0.5mm ² AWG 26-20	4mm	YK1.5-16.3-0.56AU	CTW-0.14/4
0.56-1mm ² AWG 20-17	4mm	YK1.5-16.3-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4mm	YK1.5-16.3-1.5AU	CTW-0.14/4

20A Crimp contact

- ※ Contact diameter: Ø2
- ※ Material: Brass with gold plating



Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.75-2.5mm ² AWG 18-13	3.5mm	YJ2-16.8-2.5AU	CTW-0.14/4

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.75-2.5mm ² AWG 18-13	3.5mm	YK2-16.6-2.5AU	CTW-0.14/4

Crimp tool

For crimping the male / female contacts



Part number	Crimping wire range
CTW-0.14/4	0.08-4mm ² AWG 28-11