

M23X/Q Series Newly Upgraded Power & Signal Connector

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● Product characteristics

- Convenient and reliable installation of inserts, upgraded removable pin feature;
- Removable grounding insert;
- 330-degree rotatable design for angled plug and socket;
- Termination: Crimp (Solder pin is customizable).



● M23X Series - Feature Overview



Threaded structure: Internal thread, locked by rotation

● M23Q Series - Feature Overview



Bayonet structure: Internal bayonet coupling, quick locking

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Threaded coupling, superior sealing

Locking: Align the "WEIPU" marks on plug and receptacle, insert, then rotate to couple.

Opening: Rotate to uncouple.

Advantage: Superior sealing and coupling performance, resists loosening over long-term use, withstands harsh environments.



Bayonet coupling, easy installation

Locking: Align the "WEIPU" marks on plug and receptacle, insert fully, then rotate to "CLOSE".

Opening: Rotate to "OPEN" and pull out directly.

Advantage: Industrial-grade anti-vibration, quick connect/disconnect, high assembly efficiency, combining reliability with convenience.

M23X



IP67

IP RATING

M23X Threaded coupling

M23Q



IP67

IP RATING

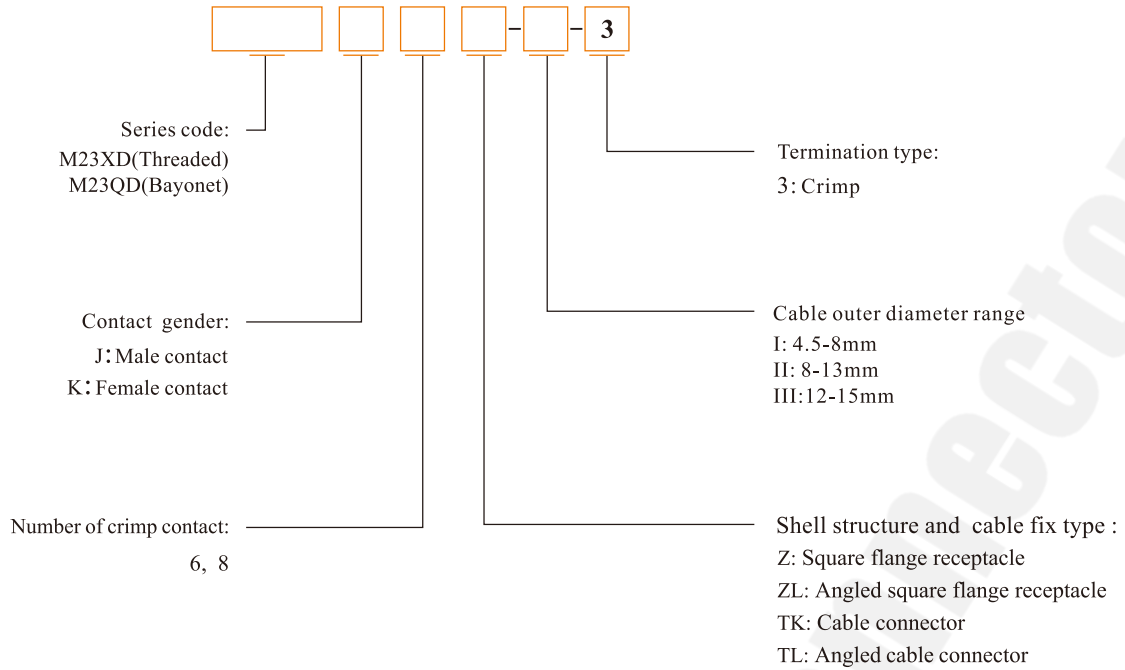
M23Q Bayonet coupling

● M23X/Q Series

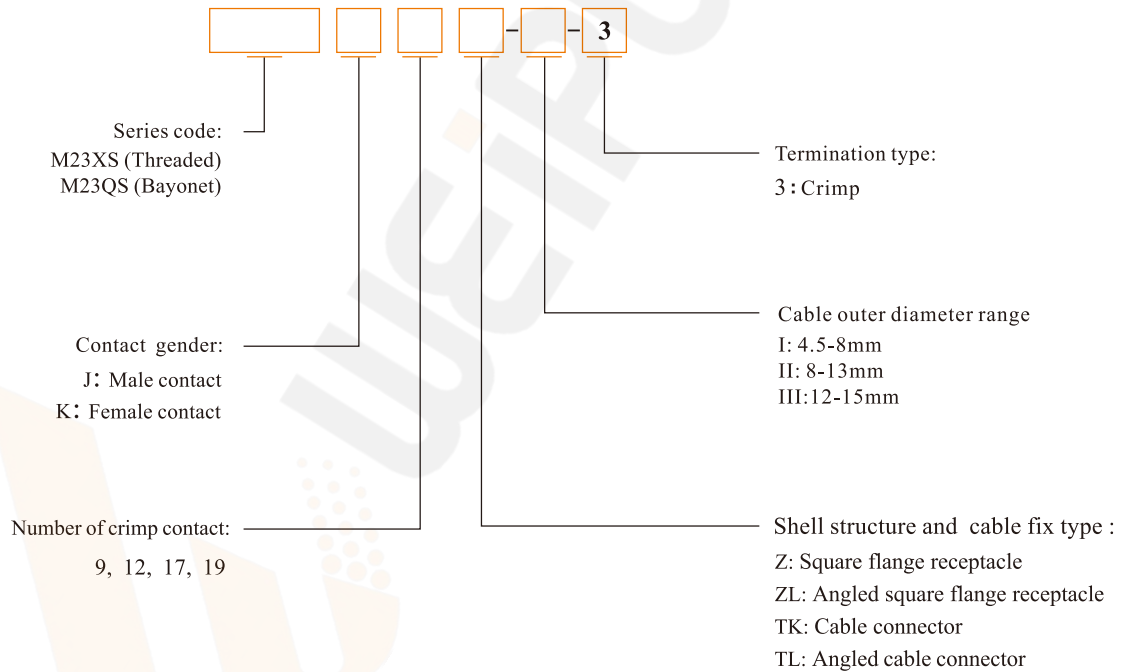
Material and spec

Parameter	M23X		M23Q	
Shell material	Zinc alloy with nickel plating			
Contact material	Brass with gold plating			
Insert material	power	signal	power	signal
	PA66	PBT	PA66	PBT
Insulation resistance	power	signal	power	signal
	$>10^{13}\text{ m}\Omega$	9.12 pins: $>10^{10}\text{ m}\Omega$ 17.19 pins: $>10^6\text{ m}\Omega$	$>10^{13}\text{ m}\Omega$	9.12 pins: $>10^{10}\text{ m}\Omega$ 17.19 pins: $>10^6\text{ m}\Omega$
Termination	Crimp			
Working temperature range	$-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$			
Mating cycle	1000			
Cable outer diameter range	I: 4.5-8mm, II: 8-13mm, III: 12-15mm			
IP rating	IP67 (mated)			
Coupling	Threaded coupling		Bayonet coupling	

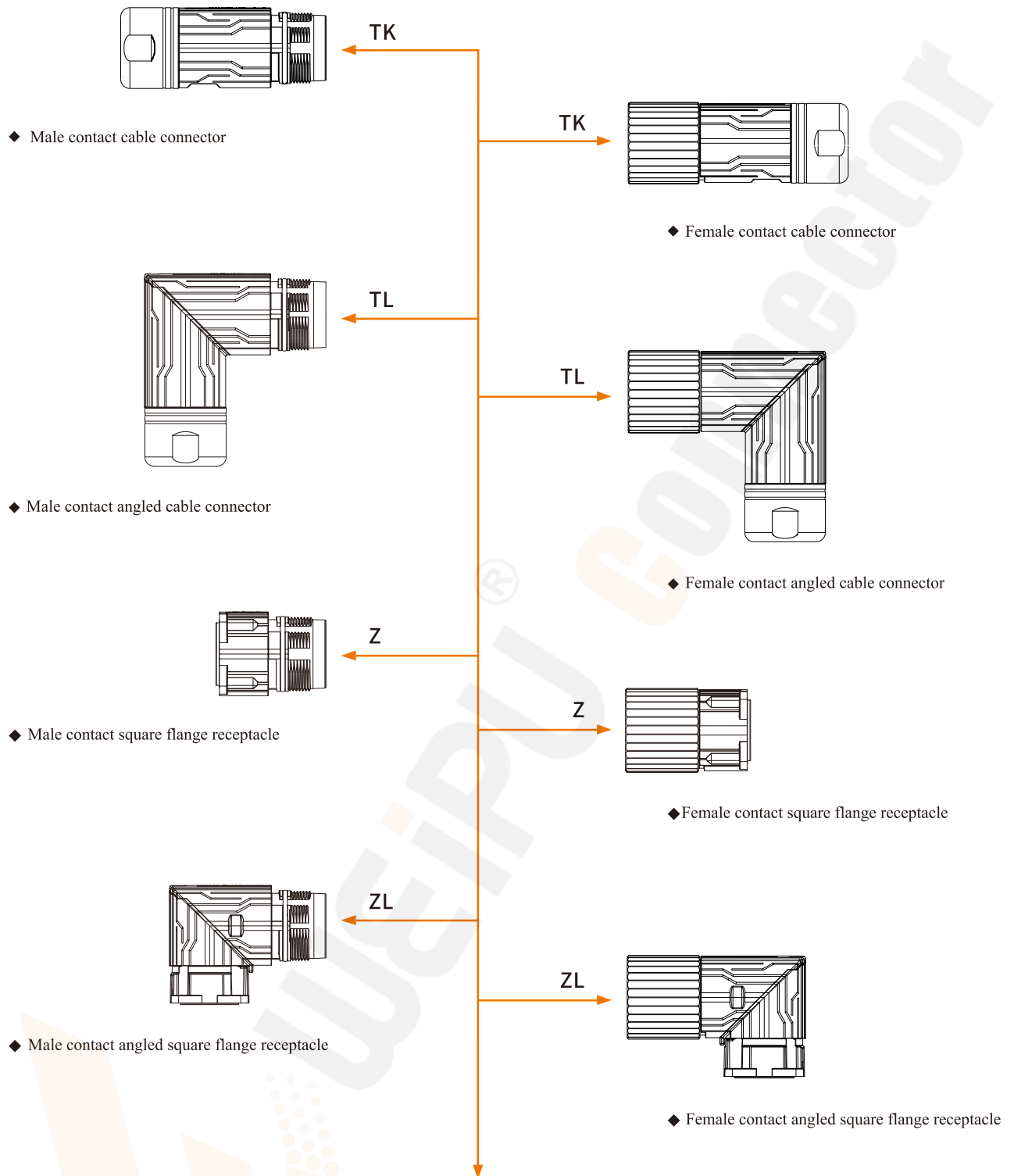
● M23X/Q Part number system- for Power



● M23X/Q Part number system-for Signal



● M23X Series threaded coupling Mating diagram

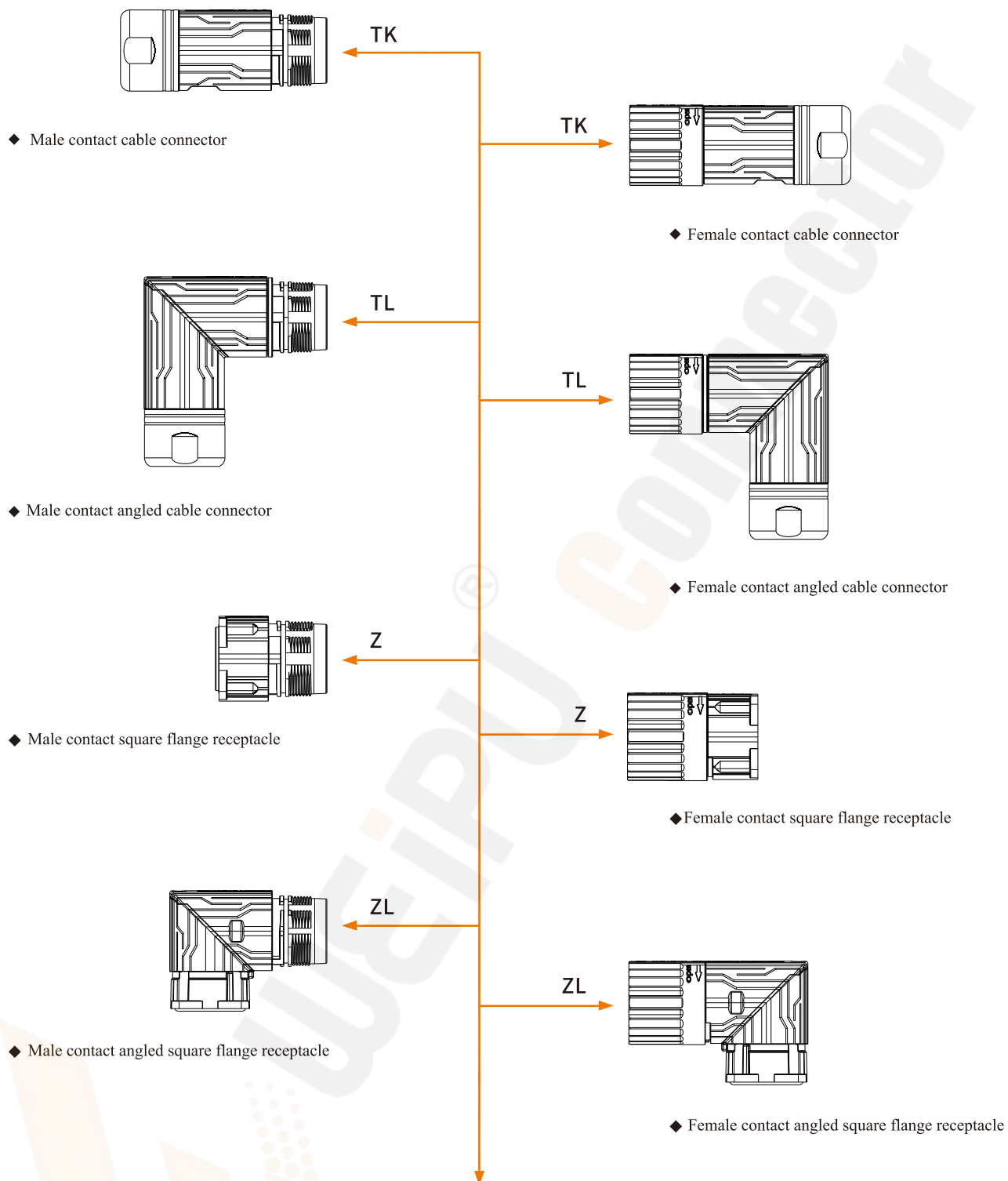


★ IP rating marked is for after mated

★ Crimp contact spec see P22

● M23Q Series bayonet coupling Mating diagram

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★ IP rating marked is for after mated

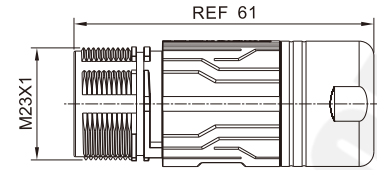
★ Crimp contact spec see P22



Male contact cable connector

Bayonet coupling

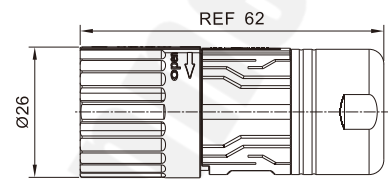
M23QSJ_TK_-3



Female contact cable connector

Bayonet coupling

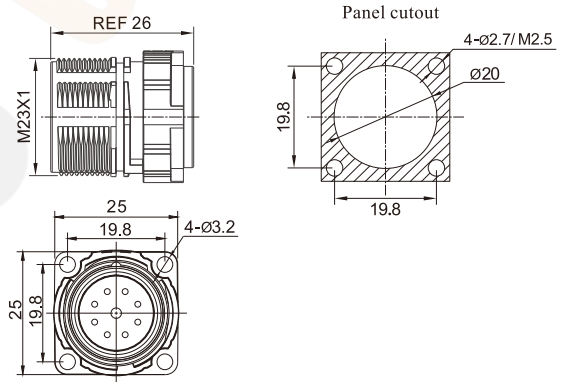
M23QSK_TK_-3



Male contact square flange receptacle

Bayonet coupling

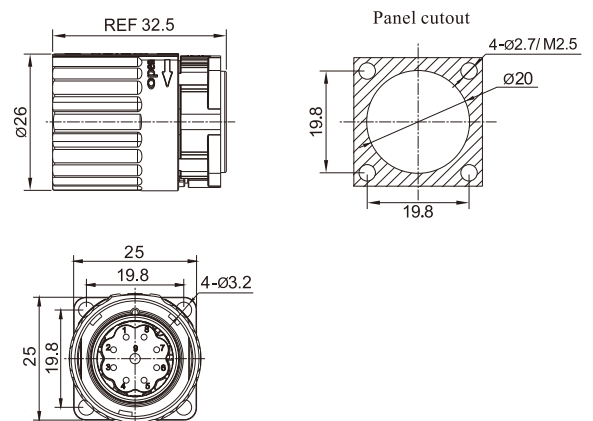
M23QSJ_Z-3



Female contact square flange receptacle

Bayonet coupling

M23QSK_Z-3

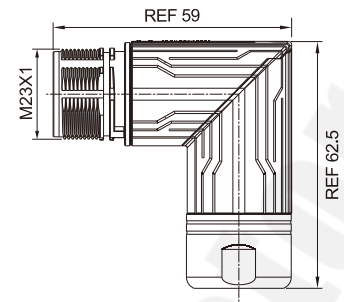




M23QSJ_TL_-3

Male contact angled cable connector

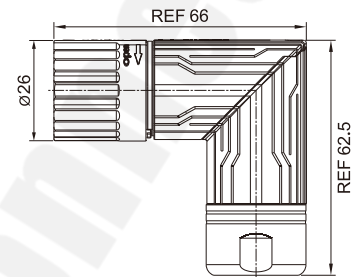
Bayonet coupling



M23QSK_TL_-3

Female contact angled cable connector

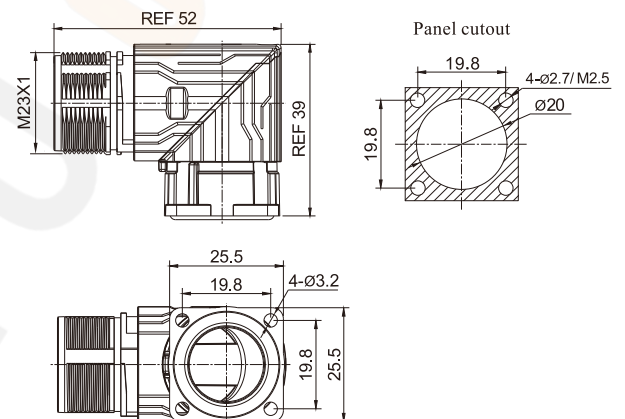
Bayonet coupling



M23QSJ_ZL-3

Male contact angled square flange receptacle

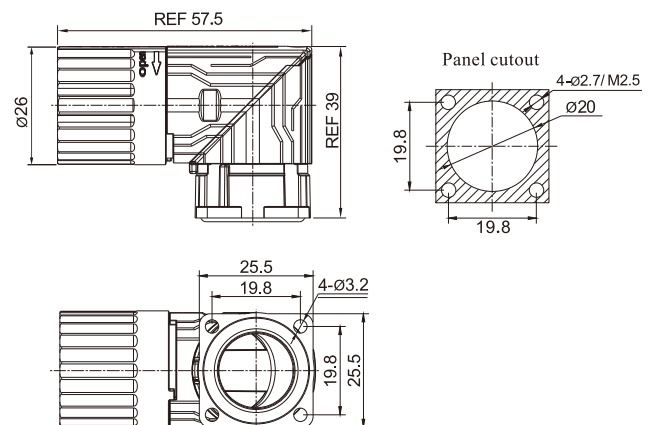
Bayonet coupling



M23QSK_ZL-3

Female contact angled square flange receptacle

Bayonet coupling



M23X/Q 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

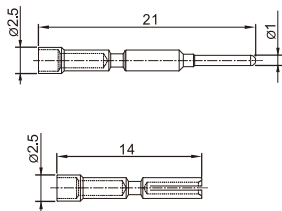
M23X/Q for signal contact spec

8A Crimp contact

※ Contact resistance: 5mΩ

※ Contact diameter: Ø1

※ Material: Brass with gold plating



8A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.14-0.37mm ² AWG 26-22	4.5mm	YJ1-21-0.5AU	CTW-0.14/4
0.5-1mm ² AWG 20-18	4.5mm	YJ1-21-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4.5mm	YJ1-21-1.5AU	CTW-0.14/4

8A Female crimp contact

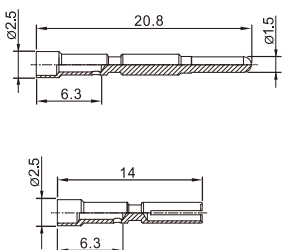
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.14-0.37mm ² AWG 26-22	4.5mm	YK1-14-0.5AU	CTW-0.14/4
0.5-1mm ² AWG 20-18	4.5mm	YK1-14-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4.5mm	YK1-14-1.5AU	CTW-0.14/4

10A Crimp contact

※ Contact resistance: 2.5mΩ

※ Contact diameter: Ø1.5

※ 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 ² AWG 26-20	4.5mm	YJ1.5-20.8-0.5AU	CTW-0.14/4
0.5-1mm ² AWG 20-17	4.5mm	YJ1.5-20.8-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4.5mm	YJ1.5-20.8-1.5AU	CTW-0.14/4

10A Female crimp contact

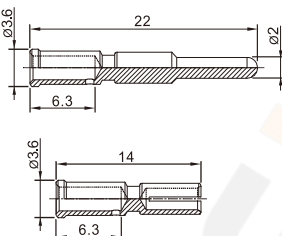
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.14-0.5mm ² AWG 26-20	4.5mm	YK1.5-14-0.5AU	CTW-0.14/4
0.5-1mm ² AWG 20-17	4.5mm	YK1.5-14-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4.5mm	YK1.5-14-1.5AU	CTW-0.14/4

20A Crimp contact

※ Contact resistance: 2.5mΩ

※ Contact diameter: Ø2

※ 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 ² AWG 18-13	6.5mm	YJ2-22-2.5AU	CTW-0.14/4

20A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.75-2.5mm ² AWG 18-13	6.5mm	YK2-14-2.5AU	CTW-0.14/4

Crimp tool

For crimping the male / female contacts



Part number	Crimping wire range
CTW-0.14/4	0.14-4mm ² AWG 25-11