



IP67

M23X
Signal



● M23X for signal

Material and spec

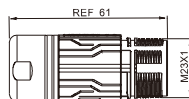
Shell material	Zinc alloy with nickel plating	
Contact material	Brass with gold plating	
Insert material	PBT	
Insulation resistance	9、12 pins: $>10^{10}\Omega$	17、19 pins: $>10^6\Omega$
Termination	Crimp	
Temperature range	$-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$	
Mating cycle	1000	
Cable outer diameter range	I: 4.5-8mm II: 8-13mm III: 12-15mm	
IP rating	IP67	
Coupling	Threaded coupling	



Male contact
cable connector
M23XSJ_TK

Number of contact

Cable outer diameter range
I: 4.5-8mm
II: 8-13mm
III: 12-15mm



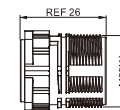
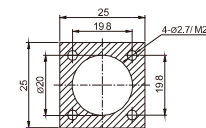
Female contact
cable connector
M23XSK_TK_



Male contact
square flange receptacle

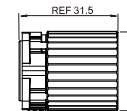
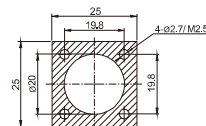
M23XSJ_Z

Number of contact



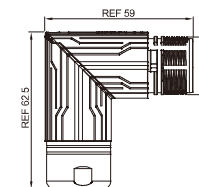
Female contact
square flange receptacle

M23XSK_Z



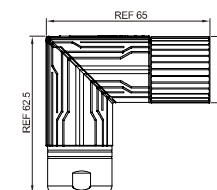
Male contact
angled cable connector

M23XSJ_TL_



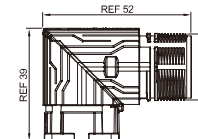
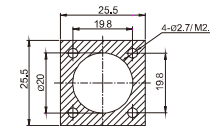
Female contact
angled cable connector

M23XSK_TL_



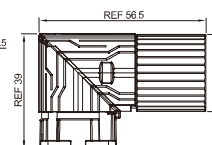
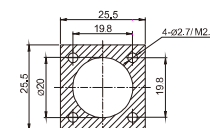
Male contact angled
square flange receptacle

M23XSJ_ZL



Female contact angled
square flange receptacle

M23XSK_ZL



M23X 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	
12	----- N, S, H, X, Y, Z	Male contact face view
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.		Female contact face view

M23X for signal contact spec

8A Crimp contact																	
※ Contact diameter: Ø1 ※ Material: Brass with gold plating		8A Male crimp contact															
		<table><tr><th>Wire size</th><th>Stripping length</th><th>Male crimp contact p/n</th><th>Crimping tool p/n</th></tr><tr><td>0.08-0.5mm² AWG 28-20</td><td>4.5mm</td><td>YJ1-21-0.5AU</td><td>CTW-0.14/4</td></tr><tr><td>0.56-1mm² AWG 20-17</td><td>4.5mm</td><td>YJ1-21-1.0AU</td><td>CTW-0.14/4</td></tr><tr><td>1-1.5mm² AWG 17-16</td><td>4.5mm</td><td>YJ1-21-1.5AU</td><td>CTW-0.14/4</td></tr></table>	Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	0.08-0.5mm ² AWG 28-20	4.5mm	YJ1-21-0.5AU	CTW-0.14/4	0.56-1mm ² AWG 20-17	4.5mm	YJ1-21-1.0AU	CTW-0.14/4	1-1.5mm ² AWG 17-16	4.5mm	YJ1-21-1.5AU
Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n														
0.08-0.5mm ² AWG 28-20	4.5mm	YJ1-21-0.5AU	CTW-0.14/4														
0.56-1mm ² AWG 20-17	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															
		<table><tr><th>Wire size</th><th>Stripping length</th><th>Female crimp contact p/n</th><th>Crimping tool p/n</th></tr><tr><td>0.08-0.5mm² AWG 28-20</td><td>4.5mm</td><td>YK1-14-0.5AU</td><td>CTW-0.14/4</td></tr><tr><td>0.56-1mm² AWG 20-17</td><td>4.5mm</td><td>YK1-14-1.0AU</td><td>CTW-0.14/4</td></tr><tr><td>1-1.5mm² AWG 17-16</td><td>4.5mm</td><td>YK1-14-1.5AU</td><td>CTW-0.14/4</td></tr></table>	Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	0.08-0.5mm ² AWG 28-20	4.5mm	YK1-14-0.5AU	CTW-0.14/4	0.56-1mm ² AWG 20-17	4.5mm	YK1-14-1.0AU	CTW-0.14/4	1-1.5mm ² AWG 17-16	4.5mm	YK1-14-1.5AU
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n														
0.08-0.5mm ² AWG 28-20	4.5mm	YK1-14-0.5AU	CTW-0.14/4														
0.56-1mm ² AWG 20-17	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 diameter: Ø1.5 ※ Material: Brass with gold plating		10A Male crimp contact															
		<table><tr><th>Wire size</th><th>Stripping length</th><th>Male crimp contact p/n</th><th>Crimping tool p/n</th></tr><tr><td>0.14-0.5mm² AWG 26-20</td><td>4.5mm</td><td>YJ1.5-20.8-0.5AU</td><td>CTW-0.14/4</td></tr><tr><td>0.5-1mm² AWG 20-17</td><td>4.5mm</td><td>YJ1.5-20.8-1.0AU</td><td>CTW-0.14/4</td></tr><tr><td>1-1.5mm² AWG 17-16</td><td>4.5mm</td><td>YJ1.5-20.8-1.5AU</td><td>CTW-0.14/4</td></tr></table>	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
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															
		<table><tr><th>Wire size</th><th>Stripping length</th><th>Female crimp contact p/n</th><th>Crimping tool p/n</th></tr><tr><td>0.14-0.5mm² AWG 26-20</td><td>4.5mm</td><td>YK1.5-14-0.5AU</td><td>CTW-0.14/4</td></tr><tr><td>0.56-1mm² AWG 20-17</td><td>4.5mm</td><td>YK1.5-14-1.0AU</td><td>CTW-0.14/4</td></tr><tr><td>1-1.5mm² AWG 17-16</td><td>4.5mm</td><td>YK1.5-14-1.5AU</td><td>CTW-0.14/4</td></tr></table>	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	0.56-1mm 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
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														
0.56-1mm 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 diameter: Ø2 ※ Material: Brass with gold plating		20A Male crimp contact															
		<table><tr><th>Wire size</th><th>Stripping length</th><th>Male crimp contact p/n</th><th>Crimping tool p/n</th></tr><tr><td>0.75-2.5mm² AWG 18-13</td><td>6.5mm</td><td>YJ2-22-2.5AU</td><td>CTW-0.14/4</td></tr></table>	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							
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															
		<table><tr><th>Wire size</th><th>Stripping length</th><th>Female crimp contact p/n</th><th>Crimping tool p/n</th></tr><tr><td>0.75-2.5mm² AWG 18-13</td><td>6.5mm</td><td>YK2-14-2.5AU</td><td>CTW-0.14/4</td></tr></table>	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							
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														

Crimping tool

For crimping the male / female contacts		Part number	Crimping wire range	
		CTW-0.14/4	0.14-4mm²	AWG 25-11