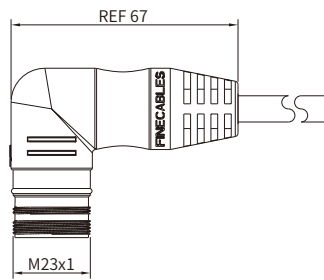


## M23 Right Angle Connector, Molded Cable, Male Unshielded, Coupling screw/nut

Coupling screw



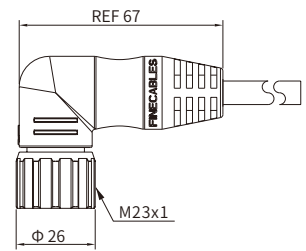
CE RoHS



Coupling nut



CE RoHS



### Specifications

Contacts	6A	7A	9A	9B	9C	12A	12B	16A	17A	17B	19A
Pin layout(Male)											
Connector overmold	TPU										
Connector insert	PA										
Connector contacts	Brass with gold plated										
Coupling nut/screw	Brass with nickel plated										
Seal/O-ring	FKM or NBR										
Mating Endurance	>800										
Insulation resistance	≥100MΩ										
Contact resistance	≤5mΩ										
Ambient temperature	-25°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation)										
Shielding	Unavailable										
IP rating	IP67, IP68 in locked condition										
Cable OD range	2.0~13mm										
Number of positions	6,7		9(8+1)/(6+3)				12	16	17		19(16+3)
Contacts	6,7		8 / 6		1 / 3		12	16	17		16 3
Contact OD(mm)	2.0(14AWG)		1.0(18AWG)		2.0(14AWG)		1.0(18AWG)		1.0(18AWG)		1.0(18AWG) 1.5(16AWG)
Rated current @ 20°C(A)	20		8		20		8		8		8 10
Rated Voltage(V)	300		300		300		300		160		160 160
Impulse voltage(V)	2500		2500		2500		1500		1500		1500 1500
Overvoltage category	II										
Pollution Degree	III										
Default wire colors	Refer to page 474										

### Part Number

Pins	Cable length	Connection Type	Coupling screw				Coupling nut			
			PVC		PUR		PVC		PUR	
			M23-MSSPRA06A-C30	M23-MSSPRA06A-A30	M23-MSNPRA06A-C30	M23-MSNPRA06A-A30	M23-MSSPRA07A-C30	M23-MSSPRA07A-A30	M23-MSNPRA07A-C30	M23-MSNPRA07A-A30
6A	3m	solder	M23-MSSPRA06A-C30	M23-MSSPRA06A-A30	M23-MSNPRA06A-C30	M23-MSNPRA06A-A30	M23-MSSPRA07A-C30	M23-MSSPRA07A-A30	M23-MSNPRA07A-C30	M23-MSNPRA07A-A30
	3m	crimp	M23-MSSCPRA06A-C30	M23-MSSCPRA06A-A30	M23-MSNCPRA06A-C30	M23-MSNCPRA06A-A30	M23-MSSPRA07A-C30	M23-MSSPRA07A-A30	M23-MSNCPRA07A-C30	M23-MSNCPRA07A-A30
7A	3m	solder	M23-MSSPRA07A-C30	M23-MSSPRA07A-A30	M23-MSNPRA07A-C30	M23-MSNPRA07A-A30	M23-MSSPRA09A-C30	M23-MSSPRA09A-A30	M23-MSNPRA09A-C30	M23-MSNPRA09A-A30
	3m	crimp	M23-MSSCPRA07A-C30	M23-MSSCPRA07A-A30	M23-MSNCPRA07A-C30	M23-MSNCPRA07A-A30	M23-MSSPRA09A-C30	M23-MSSPRA09A-A30	M23-MSNCPRA09A-C30	M23-MSNCPRA09A-A30
9A	3m	solder	M23-MSSPRA09A-C30	M23-MSSPRA09A-A30	M23-MSNPRA09A-C30	M23-MSNPRA09A-A30	M23-MSSPRA09B-C30	M23-MSSPRA09B-A30	M23-MSNPRA09B-C30	M23-MSNPRA09B-A30
	3m	crimp	M23-MSSCPRA09A-C30	M23-MSSCPRA09A-A30	M23-MSNCPRA09A-C30	M23-MSNCPRA09A-A30	M23-MSSPRA09B-C30	M23-MSSPRA09B-A30	M23-MSNCPRA09B-C30	M23-MSNCPRA09B-A30
9B	3m	solder	M23-MSSPRA09B-C30	M23-MSSPRA09B-A30	M23-MSNPRA09B-C30	M23-MSNPRA09B-A30	M23-MSSPRA09C-C30	M23-MSSPRA09C-A30	M23-MSNPRA09C-C30	M23-MSNPRA09C-A30
	3m	crimp	M23-MSSCPRA09B-C30	M23-MSSCPRA09B-A30	M23-MSNCPRA09B-C30	M23-MSNCPRA09B-A30	M23-MSSPRA09C-C30	M23-MSSPRA09C-A30	M23-MSNCPRA09C-C30	M23-MSNCPRA09C-A30
9C	3m	solder	M23-MSSPRA09C-C30	M23-MSSPRA09C-A30	M23-MSNPRA09C-C30	M23-MSNPRA09C-A30	M23-MSSPRA12A-C30	M23-MSSPRA12A-A30	M23-MSNPRA12A-C30	M23-MSNPRA12A-A30
	3m	crimp	M23-MSSCPRA09C-C30	M23-MSSCPRA09C-A30	M23-MSNCPRA09C-C30	M23-MSNCPRA09C-A30	M23-MSSPRA12A-C30	M23-MSSPRA12A-A30	M23-MSNCPRA12A-C30	M23-MSNCPRA12A-A30
12A	3m	solder	M23-MSSPRA12A-C30	M23-MSSPRA12A-A30	M23-MSNPRA12A-C30	M23-MSNPRA12A-A30	M23-MSSPRA12B-C30	M23-MSSPRA12B-A30	M23-MSNPRA12B-C30	M23-MSNPRA12B-A30
	3m	crimp	M23-MSSCPRA12A-C30	M23-MSSCPRA12A-A30	M23-MSNCPRA12A-C30	M23-MSNCPRA12A-A30	M23-MSSPRA12B-C30	M23-MSSPRA12B-A30	M23-MSNCPRA12B-C30	M23-MSNCPRA12B-A30
12B	3m	solder	M23-MSSPRA12B-C30	M23-MSSPRA12B-A30	M23-MSNPRA12B-C30	M23-MSNPRA12B-A30	M23-MSSPRA16A-C30	M23-MSSPRA16A-A30	M23-MSNPRA16A-C30	M23-MSNPRA16A-A30
	3m	crimp	M23-MSSCPRA12B-C30	M23-MSSCPRA12B-A30	M23-MSNCPRA12B-C30	M23-MSNCPRA12B-A30	M23-MSSPRA16A-C30	M23-MSSPRA16A-A30	M23-MSNCPRA16A-C30	M23-MSNCPRA16A-A30
16A	3m	solder	M23-MSSPRA16A-C30	M23-MSSPRA16A-A30	M23-MSNPRA16A-C30	M23-MSNPRA16A-A30	M23-MSSPRA17A-C30	M23-MSSPRA17A-A30	M23-MSNPRA17A-C30	M23-MSNPRA17A-A30
	3m	crimp	M23-MSSCPRA16A-C30	M23-MSSCPRA16A-A30	M23-MSNCPRA16A-C30	M23-MSNCPRA16A-A30	M23-MSSPRA17A-C30	M23-MSSPRA17A-A30	M23-MSNCPRA17A-C30	M23-MSNCPRA17A-A30
17A	3m	solder	M23-MSSPRA17A-C30	M23-MSSPRA17A-A30	M23-MSNPRA17A-C30	M23-MSNPRA17A-A30	M23-MSSPRA17B-C30	M23-MSSPRA17B-A30	M23-MSNPRA17B-C30	M23-MSNPRA17B-A30
	3m	crimp	M23-MSSCPRA17A-C30	M23-MSSCPRA17A-A30	M23-MSNCPRA17A-C30	M23-MSNCPRA17A-A30	M23-MSSPRA17B-C30	M23-MSSPRA17B-A30	M23-MSNCPRA17B-C30	M23-MSNCPRA17B-A30
17B	3m	solder	M23-MSSPRA17B-C30	M23-MSSPRA17B-A30	M23-MSNPRA17B-C30	M23-MSNPRA17B-A30	M23-MSSPRA19A-C30	M23-MSSPRA19A-A30	M23-MSNPRA19A-C30	M23-MSNPRA19A-A30
	3m	crimp	M23-MSSCPRA17B-C30	M23-MSSCPRA17B-A30	M23-MSNCPRA17B-C30	M23-MSNCPRA17B-A30	M23-MSSPRA19A-C30	M23-MSSPRA19A-A30	M23-MSNCPRA19A-C30	M23-MSNCPRA19A-A30
19A	3m	solder	M23-MSSPRA19A-C30	M23-MSSPRA19A-A30	M23-MSNPRA19A-C30	M23-MSNPRA19A-A30				
	3m	crimp	M23-MSSCPRA19A-C30	M23-MSSCPRA19A-A30	M23-MSNCPRA19A-C30	M23-MSNCPRA19A-A30				