



M23 Signal Molded Cable, Straight, Female Housing+Female Thread

• Connector series: M23 Signal

Contacts: Socket

• Mounting type: Straight

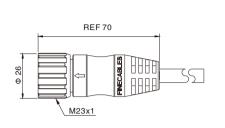
• Shielding: Shielded or unshielded

Connection Type: Solder/Crimp

• Part No.: M23-MSNSST***-XXX (solder unshielded) M23-MSNSSST***-XXX (solder shielded) M23-MSNCSST***-XXX (crimp unshielded)

*** refers to pins number XXX refers to cable specification

M23-MSNSCSST***-XXX (crimp shielded)









■ General information

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
Operation cycles:	>800

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature:	-40°C ~ $+80$ °C(fixed installation)
	-20°C ~ $+80$ °C(flexible installation)
IP rating:	IP68 in locked condition
Cable OD range:	2.0~13

■ Electrical data & Mechanical data

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)	Contact OD(mm) 2.0(14AWG) 1.0(18AWG)		2.0(14AWG)	1.0(18AWG)	1.0(18AWG) 1.0(18AWG)		1.0(18AWG)	1.5(16AWG)
Rated current @ 20℃(A)	20	8	20	8	8	8	8	10
Rated Voltage(V)	300	300	300	300	160	160	160	160
Impulse voltage(V)	mpulse voltage(V) 2500 2500 2500 1500		1500	1500	1500	1500	1500	
Overvoltage category	II							
Pollution Degree	III							

Conta	cts	Contact OD (mm)	Socket	Part No.	Contacts		Contact OD (mm)	Socket	Part No.		
6A		2	0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	M23-MSNSST06A- <u>XXX</u> (solder unshielded) M23-MSNSSST06A- <u>XXX</u> (solder shielded) M23-MSNCSST06A- <u>XXX</u> (crimp unshielded) M23-MSNSCSST06A- <u>XXX</u> (crimp shielded)	12A (Standard)		1	0 9 8 2 10 12 7 0 0 0 0 3 11 6 0 4 5 0	M23-MSNSST12A- <u>XXX</u> (solder unshielded) M23-MSNSSST12A- <u>XXX</u> (solder shielded) M23-MSNCSST12A- <u>XXX</u> (crimp unshielded) M23-MSNSCSST12A- <u>XXX</u> (crimp shielded)		
7A		2		M23-MSNSST07A-XXX (solder unshielded) M23-MSNSSST07A-XXX (solder shielded) M23-MSNCSST07A-XXX (crimp unshielded) M23-MSNSCSST07A-XXX (crimp shielded)	12B (opposite		12B (opposite)		1	7 12 10 2 0 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0	M23-MSNSST12B-XXX (solder unshielded) M23-MSNSSST12B-XXX (solder shielded) M23-MSNCSST12B-XXX (crimp unshielded) M23-MSNSCSST12B-XXX (crimp shielded)
9A	9A 8 1			M23-MSNSST09A- <u>XXX</u> (solder unshielded) M23-MSNSSST09A- <u>XXX</u> (solder shielded)	17A		1	10 011 20 11 0 00 10 01 0 00 40 0 0 00	M23-MSNSST17A- <u>XXX</u> (solder unshielded) M23-MSNSSST17A- <u>XXX</u> (solder shielded)		
(8+1) 1 2		40 05	M23-MSNCSST09A- <u>XXX</u> (crimp unshielded) M23-MSNSCSST09A- <u>XXX</u> (crimp shielded)	(Standard)		'	0 0 0 os	M23-MSNCSST17A- <u>XXX</u> (crimp unshielded) M23-MSNSCSST17A- <u>XXX</u> (crimp shielded)			
9B	M23-MSNSSST09B-XXX (so		M23-MSNSST09B- <u>XXX</u> (solder unshielded) M23-MSNSSST09B- <u>XXX</u> (solder shielded)	17B			10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	M23-MSNSST17B- <u>XXX</u> (solder unshielded) M23-MSNSSST17B- <u>XXX</u> (solder shielded)			
(8+1) 1 2		2	50 04	M23-MSNCSST09B- <u>XXX</u> (crimp unshielded) M23-MSNSCSST09B- <u>XXX</u> (crimp shielded)	(opposite)		1	8 8 8	M23-MSNCSST17B- <u>XXX</u> (crimp unshielded) M23-MSNSCSST17B- <u>XXX</u> (crimp shielded)		
9C	6	M23-		M23-MSNSST09C- <u>XXX</u> (solder unshielded) M23-MSNSSST09C- <u>XXX</u> (solder shielded)	19A	19A 16	1	0 0 0 0	M23-MSNSST19A- <u>XXX</u> (solder unshielded) M23-MSNSSST19A- <u>XXX</u> (solder shielded)		
(6+3)	3	2	9.5	M23-MSNCSST09C- <u>XXX</u> (crimp unshielded) M23-MSNSCSST09C- <u>XXX</u> (crimp shielded)	(16+3)	3	1.5		M23-MSNCSST19A-XXX (crimp unshielded) M23-MSNSCSST19A-XXX (crimp shielded)		
16A	١	1	20 10 10 00 00 00 00 00 00 00 00 00 00 00	M23-MSNSST16A-XXX (solder unshielded) M23-MSNSSST16A-XXX (solder shielded) M23-MSNCSST16A-XXX (crimp unshielded) M23-MSNSCSST16A-XXX (crimp shielded)							

Note: \underline{X} refers to cable specification

■ Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 365 for products' part number encoding rule.

