



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

• Connector series: M23 Signal

• Contacts: Pin

• Mounting type: Straight

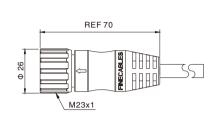
• Shielding: Shielded or unshielded

Connection Type: Solder/Crimp

• Part No.: M23-MSNPST***-XXX (solder unshielded) M23-MSNSPST***-XXX (solder shielded) M23-MSNCPST***-XXX (crimp unshielded)

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

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





c**Al**us (€ RoHS PSS



■ 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)	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)	voltage(V) 2500 2500 2500 15		1500	1500	1500	1500	1500	
Overvoltage category	II							
Pollution Degree	III							

Conta	cts	Contact OD (mm)	Pin	Part No.	Contacts		Contact OD (mm)	Pin	Part No.	
6A		2	5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	M23-MSNPST06A- <u>XXX</u> (solder unshielded) M23-MSNSPST06A- <u>XXX</u> (solder shielded) M23-MSNCPST06A- <u>XXX</u> (crimp unshielded) M23-MSNSCPST06A- <u>XXX</u> (crimp shielded)	12A (Standard)		1	(8 9 18 2 7 12 10 8 6 6 11 3 5 4 8	M23-MSNPST12A- <u>XXX</u> (solder unshielded) M23-MSNSPST12A- <u>XXX</u> (solder shielded) M23-MSNCPST12A- <u>XXX</u> (crimp unshielded) M23-MSNSCPST12A- <u>XXX</u> (crimp shielded)	
7A		2		M23-MSNPST07A-XXX (solder unshielded) M23-MSNSPST07A-XXX (solder shielded) M23-MSNCPST07A-XXX (crimp unshielded) M23-MSNSCPST07A-XXX (crimp shielded)	12B (opposite)				M23-MSNPST12B-XXX (solder unshielded) M23-MSNSPST12B-XXX (solder shielded) M23-MSNCPST12B-XXX (crimp unshielded) M23-MSNSCPST12B-XXX (crimp shielded)	
9A (8+1)	8	1	\$0 01 70 0 02 60 03			17A		110 01 100 15 00 13 02 100 15 00 13 00 03 150 10 00 05	M23-MSNPST17A-XXX (solder unshielded) M23-MSNSPST17A-XXX (solder shielded) M23-MSNCPST17A-XXX (crimp unshielded) M23-MSNSCPST17A-XXX (crimp shielded)	
(8+1) 1	2	5● ●4	M23-MSNSCPST09A-XXX (crimp shielded)	(Standard)						
9B	8	M23-MSNSPST09B-XXX (sol		M23-MSNPST09B- <u>XXX</u> (solder unshielded) M23-MSNSPST09B- <u>XXX</u> (solder shielded)	17B		4	18 011 28 12 010 30 0 17 0 01	M23-MSNPST17B- <u>XXX</u> (solder unshielded) M23-MSNSPST17B- <u>XXX</u> (solder shielded)	
(8+1) 1		2	40 05	M23-MSNCPST09B- <u>XXX</u> (crimp unshielded) M23-MSNSCPST09B- <u>XXX</u> (crimp shielded)		(opposite)		40 0 0 00 50 50 07	M23-MSNCPST17B- <u>XXX</u> (crimp unshielded) M23-MSNSCPST17B- <u>XXX</u> (crimp shielded)	
9C	6	1	M23-MSNPST09C-XXX (solder unshielded) M23-MSNSPST09C-XXX (solder shielded)		19A	16	1	110 20 10 10 10 10 10 10 10 10 10 10 10 10 10	M23-MSNPST19A- <u>XXX</u> (solder unshielded) M23-MSNSPST19A- <u>XXX</u> (solder shielded)	
(6+3)	3	2	50 PO 3	M23-MSNCPST09C- <u>XXX</u> (crimp unshielded) M23-MSNSCPST09C- <u>XXX</u> (crimp shielded)	(16+3)	3	1.5	97 (9) (9) (9)	M23-MSNCPST19A- <u>XXX</u> (crimp unshielded) M23-MSNSCPST19A- <u>XXX</u> (crimp shielded)	
16A	١	1	11@ @1 10@ 16 @ 13@2 10@ 0 @ 0 15 14 10 @ 0 70 @6	M23-MSNPST16A-XXX (solder unshielded) M23-MSNSPST16A-XXX (solder shielded) M23-MSNCPST16A-XXX (crimp unshielded) M23-MSNSCPST16A-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.

