M23 Signal Molded Cable, Straight, Male Housing+Male Thread
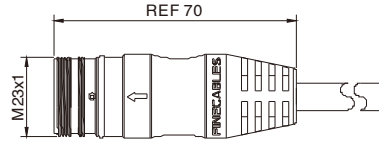
- Connector series: M23 Signal
- Contacts: Pin
- Mounting type: Straight
- Shielding: Shielded or unshielded
- Connection Type: Solder/Crimp
- Part No.: M23-MSSPST***-XXX (solder unshielded)
   M23-MSSSPST***-XXX (solder shielded)
   M23-MSSCPST***-XXX (crimp unshielded)
   M23-MSSSCPST***-XXX (crimp shielded)

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

REF 70

M23x1

c**UL**us CE RoHS IP68

■ General information

Connector overmold:	TPU	Insulation resistance:	≥100MΩ
Connector insert:	PA	Contact resistance:	≤5mΩ
Connector contacts:	Brass with gold plated	Ambient temperature:	-40℃ ~ +80℃(fixed installation)
Coupling nut/screw:	Brass with nickel plated		-20℃ ~ +80℃(flexible installation)
Seal / O-ring:	FKM or NBR	IP rating:	IP68 in locked condition
Operation cycles:	>800	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)	2500	2500	2500	1500	1500	1500	1500	1500
Overvoltage category	II							
Pollution Degree	III							

Contacts	Contact OD (mm)	Pin	Part No.	Contacts	Contact OD (mm)	Pin	Part No.
6A	2		M23-MSSPST06A-*XXX* (solder unshielded) M23-MSSSPST06A-*XXX* (solder shielded) M23-MSSCPST06A-*XXX* (crimp unshielded) M23-MSSSCPST06A-*XXX* (crimp shielded)	12A (Standard)	1		M23-MSSPST12A-*XXX* (solder unshielded) M23-MSSSPST12A-*XXX* (solder shielded) M23-MSSCPST12A-*XXX* (crimp unshielded) M23-MSSSCPST12A-*XXX* (crimp shielded)
7A	2		M23-MSSPST07A-*XXX* (solder unshielded) M23-MSSSPST07A-*XXX* (solder shielded) M23-MSSCPST07A-*XXX* (crimp unshielded) M23-MSSSCPST07A-*XXX* (crimp shielded)	12B (opposite)	1		M23-MSSPST12B-*XXX* (solder unshielded) M23-MSSSPST12B-*XXX* (solder shielded) M23-MSSCPST12B-*XXX* (crimp unshielded) M23-MSSSCPST12B-*XXX* (crimp shielded)
9A (8+1)	8 = 1, 1 = 2		M23-MSSPST09A-*XXX* (solder unshielded) M23-MSSSPST09A-*XXX* (solder shielded) M23-MSSCPST09A-*XXX* (crimp unshielded) M23-MSSSCPST09A-*XXX* (crimp shielded)	17A (Standard)	1		M23-MSSPST17A-*XXX* (solder unshielded) M23-MSSSPST17A-*XXX* (solder shielded) M23-MSSCPST17A-*XXX* (crimp unshielded) M23-MSSSCPST17A-*XXX* (crimp shielded)
9B (8+1)	8 = 1, 1 = 2		M23-MSSPST09B-*XXX* (solder unshielded) M23-MSSSPST09B-*XXX* (solder shielded) M23-MSSCPST09B-*XXX* (crimp unshielded) M23-MSSSCPST09B-*XXX* (crimp shielded)	17B (opposite)	1		M23-MSSPST17B-*XXX* (solder unshielded) M23-MSSSPST17B-*XXX* (solder shielded) M23-MSSCPST17B-*XXX* (crimp unshielded) M23-MSSSCPST17B-*XXX* (crimp shielded)
9C (6+3)	6 = 1, 3 = 2		M23-MSSPST09C-*XXX* (solder unshielded) M23-MSSSPST09C-*XXX* (solder shielded) M23-MSSCPST09C-*XXX* (crimp unshielded) M23-MSSSCPST09C-*XXX* (crimp shielded)	19A (16+3)	16 = 1, 3 = 1.5		M23-MSSPST19A-*XXX* (solder unshielded) M23-MSSSPST19A-*XXX* (solder shielded) M23-MSSCPST19A-*XXX* (crimp unshielded) M23-MSSSCPST19A-*XXX* (crimp shielded)
16A	1		M23-MSSPST16A-*XXX* (solder unshielded) M23-MSSSPST16A-*XXX* (solder shielded) M23-MSSCPST16A-*XXX* (crimp unshielded) M23-MSSSCPST16A-*XXX* (crimp shielded)				

Note: *X* refers to cable specification

■ Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm^2.
- Please refer to Page 365 for products' part number encoding rule.

M23 cables & connectors

EL.ITALIA SRL

+39 02.33611626 www.elitaliaweb.it
CONTACT US info@elitaliaweb.it