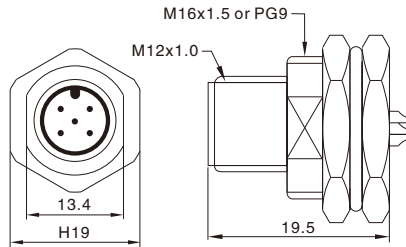# M12 Male Panel Mount, Solder, Front fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MS*FF**ST-X

  *   refers to coding type
  ** refers to pins number
  X refers to Chasis-side thread size

M16x1.5 or PG9
M12x1.0
13.4
H19
19.5

c UL us C E RoHS IP68

■ General information

Standard:	IEC 61076-2-101	Insulation resistance:	≥100MΩ
Ambient temperature:	-20℃ ~ +90℃	Contact resistance :	≤5mΩ
Connector insert:	TPU	Shielding:	Unavailable
Connector contacts:	Brass with gold plated	IP rating:	IP68 in locked condition
Connector nut/screw:	Brass with nickel plated	Panel cut-out:	Refer to page 287
Seal / O-ring:	Epoxy resin / FKM	Mating endurance:	>500 cycles

■ Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm²	
03 pins	(image)	(image)	(image) (2+PE)		Solder version	4A	250V	250V	22AWG	0.34	MB12MSAFF03ST-X MB12MSBFF03ST-X MB12MSCFF03ST-X
04 pins	(image)	(image)	(image) (3+PE)	(image)	Solder version	4A	250V	250V	22AWG	0.34	MB12MSAFF04ST-X MB12MSBFF04ST-X MB12MSCFF04ST-X MB12MSDFF04ST-X
05 pins	(image)	(image)	(image) (4+PE)		Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12MSAFF05ST-X MB12MSBFF05ST-X MB12MSCFF05ST-X
06 pins			(image) (5+PE)		Solder version	2A	30V	30V	24AWG	0.25	MB12MSCFF06ST-X
08 pins	(image)				Solder version	2A	30V	30V	24AWG	0.25	MB12MSAFF08ST-X
12 pins	(image)				Solder version	1.5A	30V	30V	26AWG	0.14	MB12MSAFF12ST-X
17 pins	(image)				Solder version	1.5A	30V	30V	26AWG	0.14	MB17MSAFF17ST-X

Note: *X* refers to Chasis-side thread size

■ Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 cables & connectors