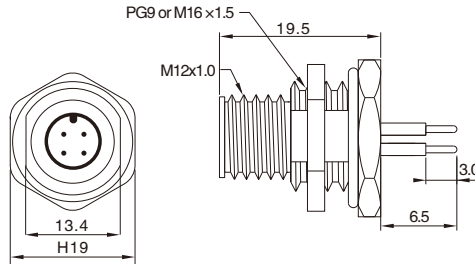# M12 Male Panel Mount, PCB Type, Front fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MB*FF**ST-X

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

PG9 or M16×1.5
M12x1.0
19.5
3.0
6.5
13.4
H19

M12 cables & connectors

■ General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20℃ ~ +90℃
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥100MΩ
Contact resistance :	≤5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 287
PCB layout:	Refer to page 286
Mating endurance:	>500 cycles

■ Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Part No.
	A	B	C	D			A/C	D/C	
03 pins	(4 3 1)	(4 3 1)	PE 2 (2+PE) 3		PCB version	4A	250V	250V	MB12MBAFF03ST-_X_ MB12MBBFF03ST-_X_ MB12MBCFF03ST-_X_
04 pins	(4 3 1 2)	(4 3 1 2)	PE 1 2 3 (3+PE)	(4)	PCB version	4A	250V	250V	MB12MBAFF04ST-_X_ MB12MBBFF04ST-_X_ MB12MBCFF04ST-_X_ MB12MBDFF04ST-_X_
05 pins	(4 3 1 5 2)	(4 3 1 5 2)	PE 4 2 5 1 (4+PE)		PCB version	4A 2A (C-code)	60V	60V	MB12MBAFF05ST-_X_ MB12MBBFF05ST-_X_ MB12MBCFF05ST-_X_
06 pins			PE 4 2 5 1 (5+PE)		PCB version	2A	30V	30V	MB12MBCFF06ST-_X_
08 pins	(6 3)				PCB version	2A	30V	30V	MB12MBAFF08ST-_X_
12 pins	(5 2)				PCB version	1.5A	30V	30V	MB12MBAFF12ST-_X_
17 pins	(○)				PCB version	1.5A	30V	30V	MB12MBAFF17ST-_X_

Note: _X_ refers to Chasis-side thread size

■ Remarks

• Please refer to Page 96 for products' part number encoding rule.