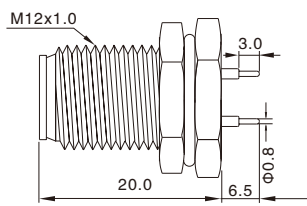# M12 Male Panel Mount, PCB Type, Front fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MB*FF**ST-0

   * refers to coding type
   ** refers to pins number

M12x1.0   3.0   Φ0.8
H17   20.0   6.5

c**UL**us CE 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	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○ ○3 1○ (2+PE)		PCB version	4A	250V	250V	MB12MBAFF03ST-0 MB12MBBFF03ST-0 MB12MBCFF03ST-0
04 pins	4○ ○3 1○ ○2	4○ ○3 1○ ○2	PE○ 1○ ○3 1○ ○2 (3+PE)	4○ ○ ○ 1○	PCB version	4A	250V	250V	MB12MBAFF04ST-0 MB12MBBFF04ST-0 MB12MBCFF04ST-0 MB12MBDFF04ST-0
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-0 MB12MBBFF05ST-0 MB12MBCFF05ST-0
06 pins			PE○ 4○ ○2 5○○○1 (5+PE)		PCB version	2A	30V	30V	MB12MBCFF06ST-0
08 pins	6○ ○ ○3 1○ ○ ○				PCB version	2A	30V	30V	MB12MBAFF08ST-0
12 pins	○ ○5 ○○○○ ○○○○ (○○○)				PCB version	1.5A	30V	30V	MB12MBAFF12ST-0
17 pins	(○○○○ ○○○○○ ○○○○○ ○○○)				PCB version	1.5A	30V	30V	MB12MBAFF17ST-0

■ Remarks

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