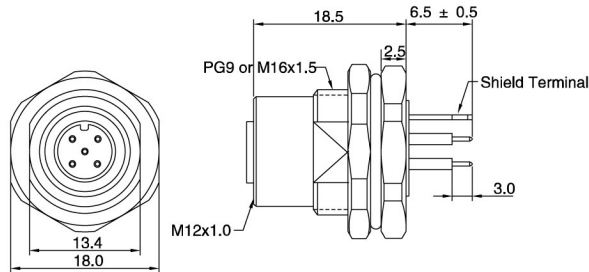# M12 Female Panel Mount, PCB Type, Front fastened, Shielded

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FBS*FF**ST-X

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

■ General information

Standard:	IEC 61076-2-101	Insulation resistance:	≥100MΩ
Ambient temperature:	-20℃ ~ +90℃	Contact resistance :	≤5mΩ
Connector insert:	PA+GF	Shielding:	Available
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	3○ ○4 ○1	3○ ○4 ○1	○PE 3○ ○2 (2+PE)		PCB version	4A	250V	250V	MB12FBSAFF03ST-X MB12FBSBFF03ST-X MB12FBSCFF03ST-X
04 pins	3○ ○4 2○ ○1	3○ ○4 2○ ○1	○PE 3○ 2○ (3+PE)	3○ ○4 2○ ○1	PCB version	4A	250V	250V	MB12FBSAFF04ST-X MB12FBSBFF04ST-X MB12FBSCFF04ST-X MB12FBSDFF04ST-X
05 pins	3○ ○4 2○ ○5	3○ ○4 2○ ○1	○PE 3○ ○4 1○ ○5 (4+PE)		PCB version	4A 2A(C-code)	60V	60V	MB12FBSAFF05ST-X MB12FBSBFF05ST-X MB12FBSCFF05ST-X
06 pins			○PE 2○ ○4 1○ ○5 (5+PE)		PCB version	2A	30V	30V	MB12FBSCFF06ST-X
08 pins	4○ 5 ○6 3○ 8 ○7 2○ ○1				PCB version	2A	30V	30V	MB12FBSAFF08ST-X
12 pins					PCB version	1.5A	30V	30V	MB12FBSAFF12ST-X
17 pins					PCB version	1.5A	30V	30V	MB12FBSAFF17ST-X

Note: X refers to Chasis-side thread size

■ Remarks

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