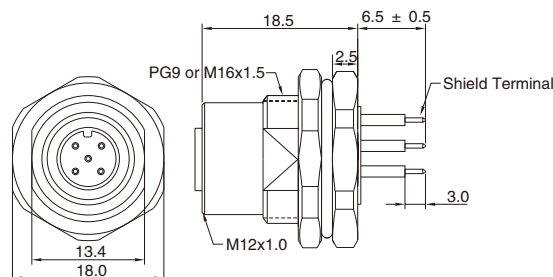# M12 Female Panel Mount, PCB Type, Front Fastened, with Shielded Terminal

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

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

PG9 or M16x1.5 — Shield Terminal
18.5 6.5 ± 0.5 2.5 3.0
13.4 18.0 M12x1.0

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-s MB12FBSBFF03ST-X-s MB12FBSCFF03ST-X-s
04 pins	(3 4 2 1)	(3 4 2 1)	PE (3 1) (2) (3+PE)	(3 4 2 1)	PCB version	4A	250V	250V	MB12FBSAFF04ST-X-s MB12FBSBFF04ST-X-s MB12FBSCFF04ST-X-s MB12FBSDFF04ST-X-s
05 pins	(3 4 2 5 1)	(3 4 2 5 1)	PE (3 4 1 5) (4+PE)		PCB version	4A 2A (C-code)	60V	60V	MB12FBSAFF05ST-X-s MB12FBSBFF05ST-X-s MB12FBSCFF05ST-X-s
06 pins			PE (2 3 4 1 5) (5+PE)		PCB version	2A	30V	30V	MB12FBSCFF06ST-X-s
08 pins	(4 5 6 3 7 2 8 1)				PCB version	2A	30V	30V	MB12FBSAFF08ST-X-s
12 pins	(12 pin layout)				PCB version	1.5A	30V	30V	MB12FBSAFF12ST-X-s
17 pins	(17 pin layout)				PCB version	1.5A	30V	30V	MB12FBSAFF17ST-X-s

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

Remarks

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