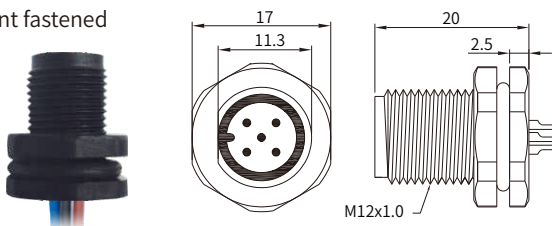


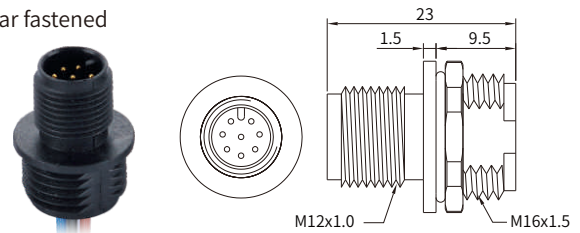
# M12 A-coding (Sensor and Actuator)

## M12 A-coding Straight Connector, Panel Mount, Plastic Solder

Front fastened



Rear fastened



### Specifications

Contacts	4	5	8
Pin layout(Male)			
Standard	IEC 61076-2-101		
Ambient temperature	-15°C~+85°C (flexible installation), -30°C~+85°C (fixed installation)		
Customized temperature	-25°C ~ +85°C (flexible installation), -40°C ~ +85°C (fixed installation)		
Connector insert	PA+GF		
Connector contacts	Brass with gold plated		
Coupling nut/screw	PA+GF		
Seal/O-ring	Epoxy resin / FKM		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Earth tag/pin	Unavailable		
IP rating	IP67, IP68 in locked condition		
Mating endurance	>500 cycles		
Rated current	4 A		2A
Rated voltage	250V AC/DC	60V AC/DC	30V AC/DC
Wire gauge	0.34mm <sup>2</sup> (AWG22)		0.25mm <sup>2</sup> (AWG24)
Panel cut-out	Refer to page 384		

### Part Number

Pins	Cable length	Front fastened	Rear fastened
		M12x1.0	M16x1.5
4	0.1m	MB12MSAFP04ST-03401	MB12MSARP04ST-23401
	0.3m	MB12MSAFP04ST-03403	MB12MSARP04ST-23403
5	0.1m	MB12MSAFP05ST-03401	MB12MSARP05ST-23401
	0.3m	MB12MSAFP05ST-03403	MB12MSARP05ST-23403
8	0.1m	MB12MSAFP08ST-02501	MB12MSARP08ST-22501
	0.3m	MB12MSAFP08ST-02503	MB12MSARP08ST-22503

### Default wire colors

Pin No.				
Pin 1	BN	BN	BN	WH
Pin 2		WH	WH	BN
Pin 3	BU	BU	BU	GN
Pin 4	BK	BK	BK	YE
Pin 5			GY	GY
Pin 6				PK
Pin 7				BU
Pin 8				RD