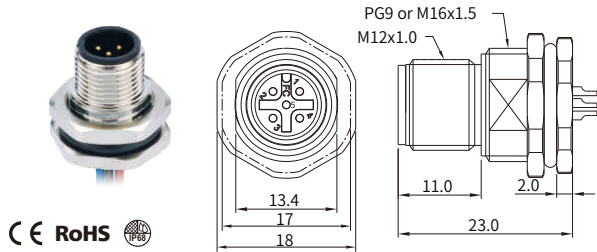


# M12 A-coding (Sensor and Actuator)

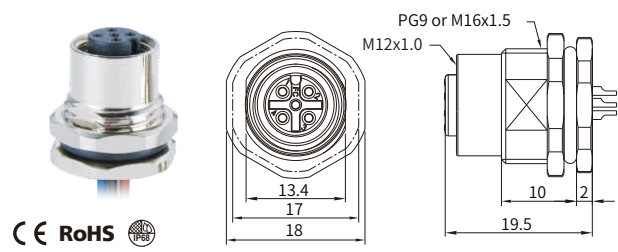


## M12 A-coding Straight Connector, Panel Mount, Solder, Front fastened

Male



Female



### Specifications

Contacts	3	4	5	8	12	17
Certification	cULUS CYJV2(CYJV8).E321413		cULUS CYJV(CYJV7).E321413		cULUS CYJV(CYJV7).E321413	
Pin layout(Male)						
Pin layout(Female)						
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	TPU					
Connector contacts	Brass with gold plated					
Coupling nut/screw	Brass with nickel plated					
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		1.5A	
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)		0.14mm <sup>2</sup> (AWG26)	
Panel cut-out	Refer to page 384					

### Part Number

Pins	Cable length	Male		Female	
		M16x1.5	PG9	M16x1.5	PG9
3	0.1m	MB12MSAFF03ST-23401	MB12MSAFF03ST-33401	MB12FSAFF03ST-23401	MB12FSAFF03ST-33401
	0.3m	MB12MSAFF03ST-23403	MB12MSAFF03ST-33403	MB12FSAFF03ST-23403	MB12FSAFF03ST-33403
4	0.1m	MB12MSAFF04ST-23401	MB12MSAFF04ST-33401	MB12FSAFF04ST-23401	MB12FSAFF04ST-33401
	0.3m	MB12MSAFF04ST-23403	MB12MSAFF04ST-33403	MB12FSAFF04ST-23403	MB12FSAFF04ST-33403
5	0.1m	MB12MSAFF05ST-23401	MB12MSAFF05ST-33401	MB12FSAFF05ST-23401	MB12FSAFF05ST-33401
	0.3m	MB12MSAFF05ST-23403	MB12MSAFF05ST-33403	MB12FSAFF05ST-23403	MB12FSAFF05ST-33403
8	0.1m	MB12MSAFF08ST-22501	MB12MSAFF08ST-32501	MB12FSAFF08ST-22501	MB12FSAFF08ST-32501
	0.3m	MB12MSAFF08ST-22503	MB12MSAFF08ST-32503	MB12FSAFF08ST-22503	MB12FSAFF08ST-32503
12	0.1m	MB12MSAFF12ST-21401	MB12MSAFF12ST-31401	MB12FSAFF12ST-21401	MB12FSAFF12ST-31401
	0.3m	MB12MSAFF12ST-21403	MB12MSAFF12ST-31403	MB12FSAFF12ST-21403	MB12FSAFF12ST-31403
17	0.1m	MB12MSAFF17ST-21401	MB12MSAFF17ST-31401	MB12FSAFF17ST-21401	MB12FSAFF17ST-31401
	0.3m	MB12MSAFF17ST-21403	MB12MSAFF17ST-31403	MB12FSAFF17ST-21403	MB12FSAFF17ST-31403

### Default wire colors

Pin No.						
Pin 1	BN	BN	BN	WH	WH	13. WH/GN
Pin 2		WH	WH	BN	BN	14. BN/GN
Pin 3	BU	BU	BU	GN	GN	15. WH/YE
Pin 4	BK	BK	BK	YE	YE	16. YE/BN
Pin 5			GY	GY	GY	17. WH/GY
Pin 6				PK	PK	YE
Pin 7				BU	BU	BK
Pin 8				RD	RD	GY
Pin 9					OR	RD
Pin 10					TP	VT
Pin 11					BK	GY/PK
Pin 12					VT	RD/BU