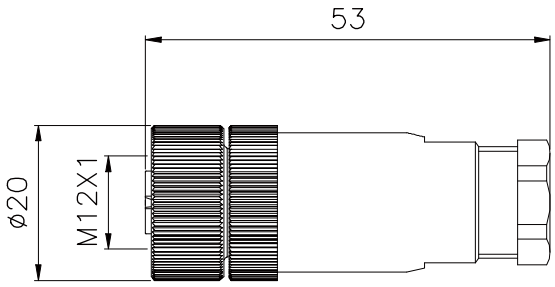
M 12

- M12 connector is the most various and most wildly used series
- It is available for 2 3 4 5 6 8 12 17pin
- It is including A/B/C/D/S/T/X code type connector
- It including various types:
  overmold cable
  panel mount assembly splitter type,
  RJ45 converter, terminal type and protect caps
- Waterproof degree can be reach: IP67,IP68,IP69K
- M12 data connector, transfer speed can be 10 Gbps

M12 female straight assembly plastic plug connector



Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	Ø4mm~Ø8mm

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

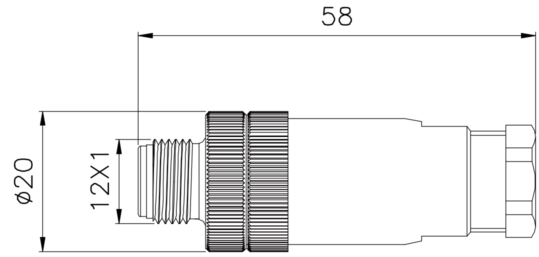
M12P-□A-□-S-□-□-□

- □ (pin number)
- □ (code type (except A type))
- □ (cable material③)
- □ (cable length)
- □ (others)

Ⓑ Customomized

M12P-□A-□-S-□-□

- □ (pin number)
- □ (code type (except A type))
- □ (customized item number)
- □ (others)

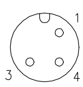
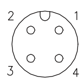
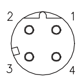
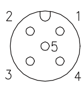
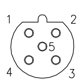
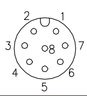
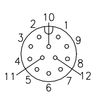


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	Ø4mm~Ø8mm

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12P -☐A-☐-P-☐-☐-☐

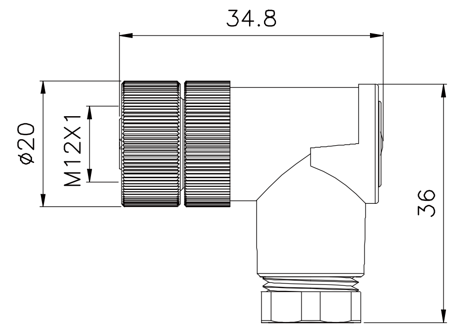
pin number; code type (except A type); cable material③; cable length; others

Ⓑ Customomized

M12P -☐A-☐-P-☐-☐

pin number; code type (except A type); customized item number; others

M12 female angled assembly plastic plug connector

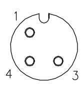
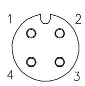
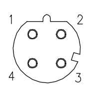
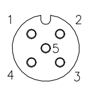
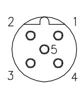
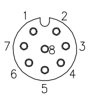
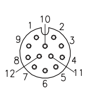


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	Ø4mm~Ø8mm

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

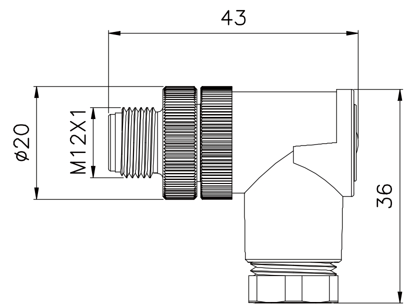
M12P -□D-□-S-□-□-□

code type (except A type)
cable length
others
pin number
cable material③

Ⓑ Customomized

M12P -□D-□-S-□-□

others
pin number
customized item number
code type (except A type)

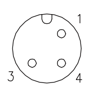
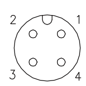
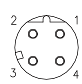
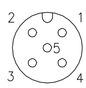
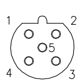
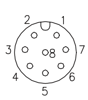
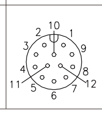


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	Ø4mm~Ø8mm

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12P -☐-D-☐-P-☐-☐-☐

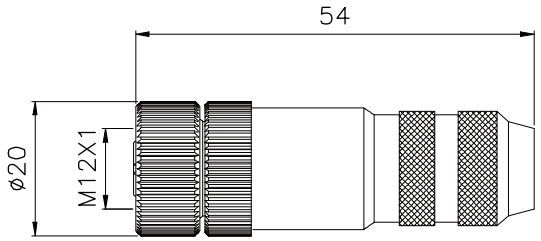
pin number; code type (except A type); cable material③; cable length; others

Ⓑ Customomized

M12P -☐- D -☐-P-☐-☐

pin number; code type (except A type); customized item number; others

M12 female straight assembly metal plug connector



Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	Ø4mm~Ø8mm

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

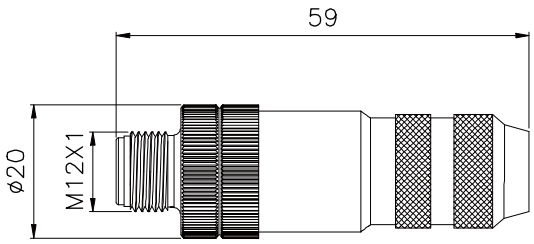
M12G-[ ]-A-[ ]-S-[ ]-[ ]-[ ]

- [ ] pin number
- [ ] code type (except A type)
- [ ] cable material③
- [ ] cable length
- [ ] others

Ⓑ Customomized

M12G-[ ]-A-[ ]-S-[ ]-[ ]

- [ ] pin number
- [ ] code type (except A type)
- [ ] customized item number
- [ ] others

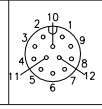


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12G-[ ]-A-[ ]-P-[ ]-[ ]-[ ]

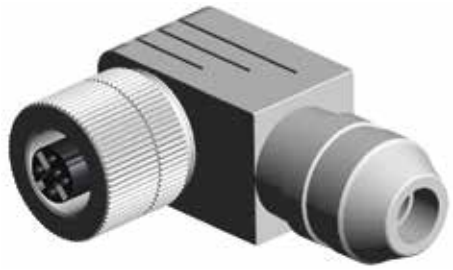
pin number; code type (except A type); cable material③; cable length; others

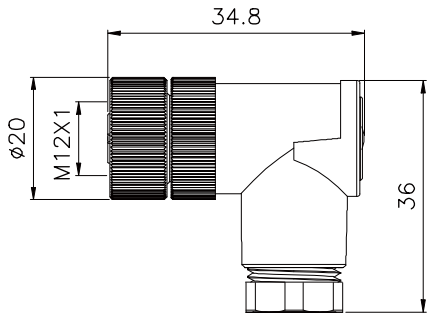
Ⓑ Customomized

M12G-[ ]-A-[ ]-P-[ ]-[ ]

pin number; code type (except A type); customized item number; others

M12 female angled assembly metal plug connector





Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	Ø4mm~Ø8mm

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

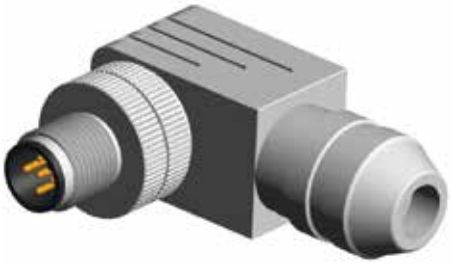
M12G-□-D-□-S-□-□-□

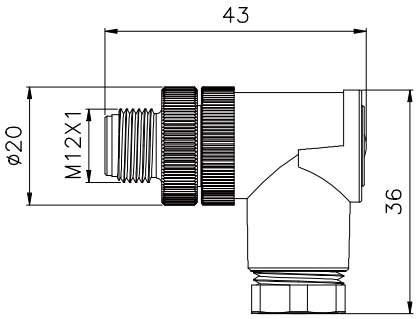
- □ (pin number)
- □ (code type (except A type))
- □ (cable material③)
- □ (cable length)
- □ (others)

Ⓑ Customomized

M12G-□-D-□-S-□-□

- □ (pin number)
- □ (code type (except A type))
- □ (customized item number)
- □ (others)



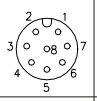
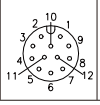


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12G-□-D-□-P-□-□-□

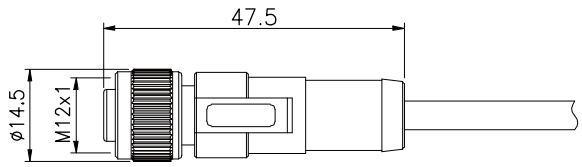
- pin number
- code type (except A type)
- cable material③
- cable length
- others

Ⓑ Customomized

M12G-□-D-□-P-□-□

- pin number
- code type (except A type)
- customized item number
- others

M12 female straight overmold plug connector

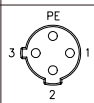
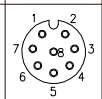


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

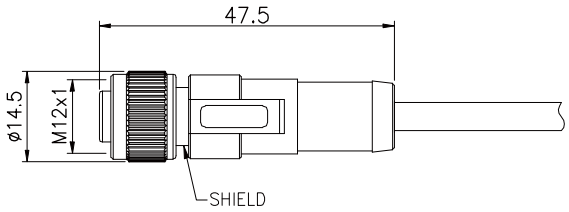
M12-□-A-□-S-□-□-□

- □ pin number
- □ code type (except A type)
- □ cable material①
- □ cable length
- □ others

Ⓑ Customomized

M12-□-A-□-S-□-□

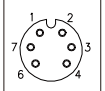
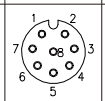
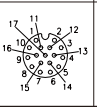
- □ pin number
- □ code type (except A type)
- □ customized item number
- □ others



Technical parameters

Shell material	Copper/Zinc	Insulation resistance	≥100mΩ
Core material	PA66	Contact resistance	≤10mΩ
Overmold material	PVC/TPU①	Degree of protection	IP67/IP68
Terminal material	Phosphor copper	Mating cycle	≥500次
Temperature	−40℃～+80℃	Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-A1-□-S-□-□-□

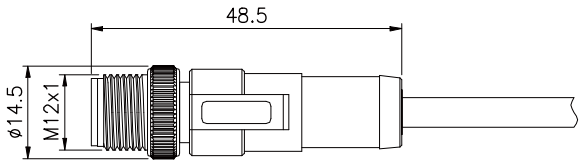
- pin number
- code type (except A type)
- cable material②
- cable length
- others

Ⓑ Customomized

M12-□-A1-□-S-□-□

- pin number
- code type (except A type)
- customized item number
- others

M12 male straight overmold plug connector

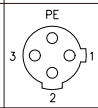
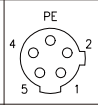
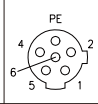
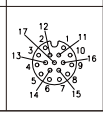


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut
4					4A	250V	250V	22	0.34	PVC/PUR	- Custom Made - Strip & Tin ends
5					4A	60V	60V	22	0.34	PVC/PUR	- Your other needs
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

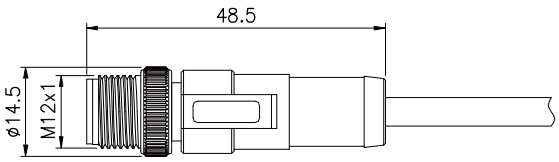
M12-□-A-□-P-□-□-□

- pin number
- code type (except A type)
- cable material②
- cable length
- others

Ⓑ Customomized

M12-□-A-□-P-□-□

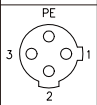
- pin number
- code type (except A type)
- customized item number
- others



Technical parameters

Shell material	Copper/Zinc	Insulation resistance	≥100mΩ
Core material	PA66	Contact resistance	≤10mΩ
Overmold material	PVC/TPU①	Degree of protection	IP67/IP68
Terminal material	Phosphor copper	Mating cycle	≥500次
Temperature	−40℃～+80℃	Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-A1-□-P-□-□-□

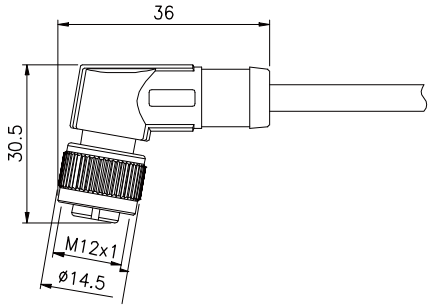
- pin number
- code type (except A type)
- cable material①
- cable length
- others

Ⓑ Customomized

M12 -□-A1-□-P-□-□

- pin number
- code type (except A type)
- customized item number
- others

M12 female angled overmold plug connector

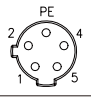


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-A-□-P-□-□-□

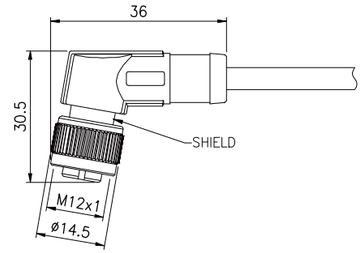
- □ (1st): pin number
- □ (2nd): code type (except A type)
- □ (3rd): cable material③
- □ (4th): cable length
- □ (5th): others

Ⓑ Customomized

M12-□-A-□-P-□-□

- □ (1st): pin number
- □ (2nd): code type (except A type)
- □ (3rd): customized item number
- □ (4th): others

M12 female angled overmold plug connector(shield)



Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type A	B	C	D	rated current	rated voltage A/C	D/C	cable size AWG	mm²	cable material	Ends avaible
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-D1-□-S-□-□-□

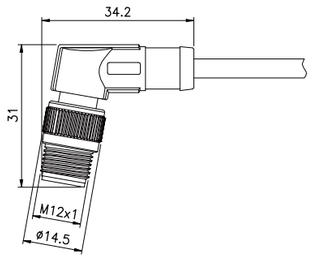
pin number; code type (except A type); cable material①; cable length; others

Ⓑ Customomized

M12 -□-D1-□-S-□-□

pin number; code type (except A type); customized item number; others

M12 male angled overmold plug connector



Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type A	B	C	D	rated current	rated voltage A/C	D/C	cable size AWG	mm²	cable material	Ends avaible
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-D-□-P-□-□-□

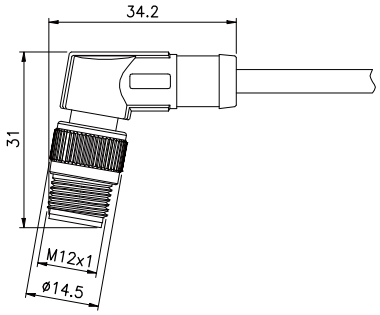
pin number; code type (except A type); cable material①; cable length; others

Ⓑ Customomized

M12 -□-D-□-P-□-□

pin number; code type (except A type); customized item number; others

M12 male angled overmold plug connector

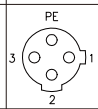
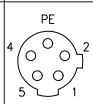
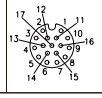


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

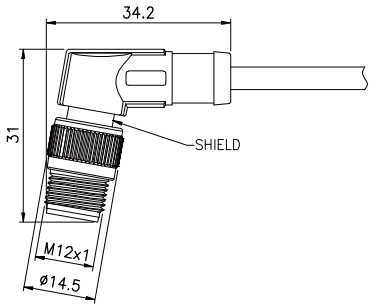
M12-□-D-□-P-□-□-□

- code type (except A type)
- cable length
- others
- pin number
- cable material③

Ⓑ Customomized

M12 -□-D-□-P-□-□

- others
- pin number
- customized item number
- code type (except A type)

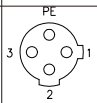
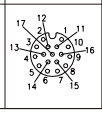


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-D1-□-P-□-□-□

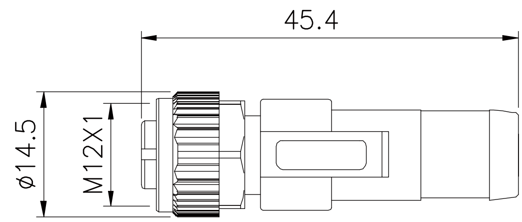
- pin number
- code type (except A type)
- cable material①
- cable length
- others

Ⓑ Customomized

M12 -□-D1-□-P-□-□

- pin number
- code type (except A type)
- customized item number
- others

M12 female Terminating resistor connector

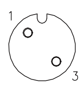
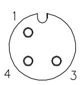
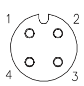
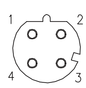
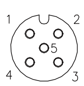
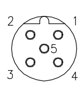
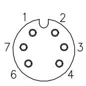
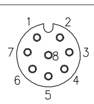


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	60V	60V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	

Order method

Ⓐ Regular type

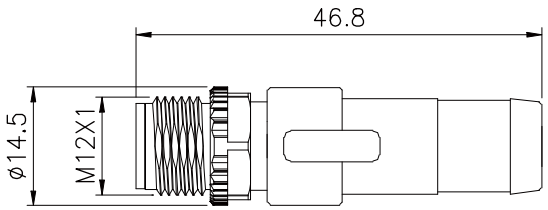
M12-☐-O-☐-P-☐-☐-☐

pin number; code type (except A type); cable material③; cable length; others

Ⓑ Customomized

M12 -☐-O-☐-P-☐-☐

pin number; code type (except A type); customized item number; others



Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	60V	60V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-O-□-P-□-□-□

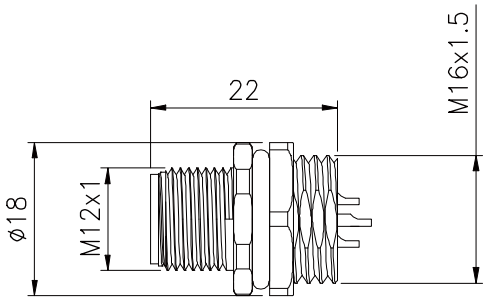
- pin number
- code type (except A type)
- cable material③
- cable length
- others

Ⓑ Customomized

M12 -□-O-□-P-□-□

- pin number
- code type (except A type)
- customized item number
- others

M12 male front mount socket connector

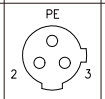
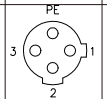
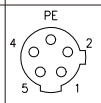
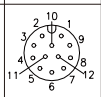


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

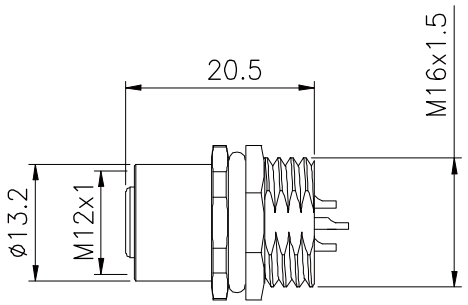
M12-□-B-□-P-□-□-□

- pin number
- code type (except A type)
- cable material②
- cable length
- others

Ⓑ Customomized

M12 -□-B-□-P-□-□

- pin number
- code type (except A type)
- customized item number
- others

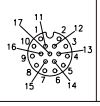


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-B-□-S-□-□-□

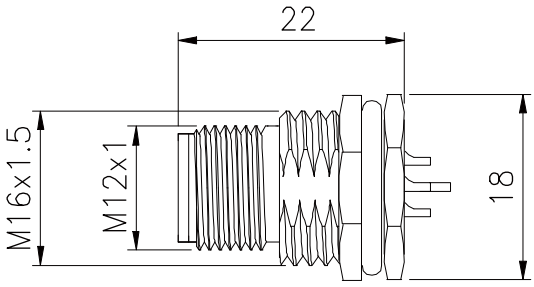
- □ (pin number)
- □ (code type (except A type))
- □ (cable material ③)
- □ (cable length)
- □ (others)

Ⓑ Customomized

M12 -□-B-□-S-□-□

- □ (pin number)
- □ (code type (except A type))
- □ (customized item number)
- □ (others)

M12 male back mount socket connector

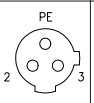
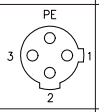
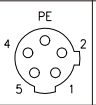
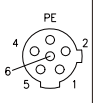
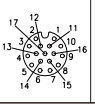


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

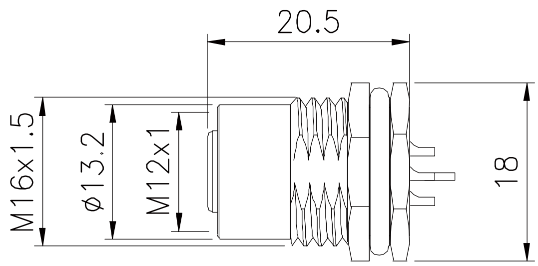
M12-□-F-□-P-□-□-□

- □ (1st): pin number
- □ (2nd): code type (except A type)
- □ (3rd): cable material①
- □ (4th): cable length
- □ (5th): others

Ⓑ Customomized

M12-□-F-□-P-□-□

- □ (1st): pin number
- □ (2nd): code type (except A type)
- □ (3rd): customized item number
- □ (4th): others

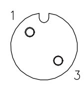
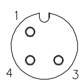
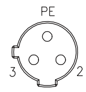
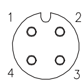
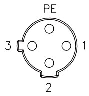
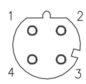
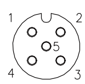
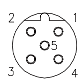
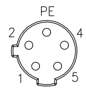
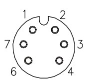
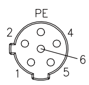
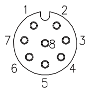
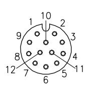
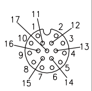


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU[1]
Terminal material	Phosphor copper
Temperature	—40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-☐-F-☐-S-☐-☐-☐

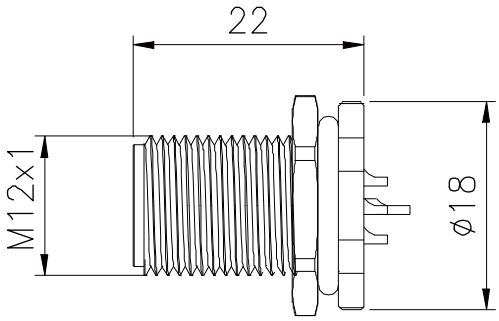
- pin number
- code type (except A type)
- cable material[3]
- cable length
- others

Ⓑ Customomized

M12 -☐- F -☐-S-☐-☐

- pin number
- code type (except A type)
- customized item number
- others

M12 male back mount PCB socket connector

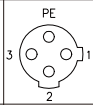
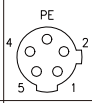
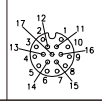


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

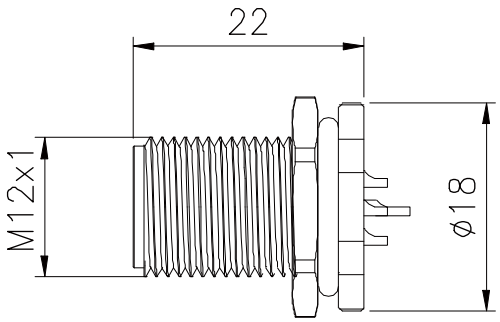
M12-□-F2-□-P-□-□-□

- pin number
- code type (except A type)
- cable material③
- cable length
- others

Ⓑ Customomized

M12 -□-F2-□-P-□-□

- pin number
- code type (except A type)
- customized item number
- others

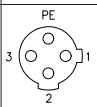
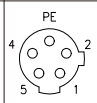
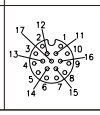


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut
4					4A	250V	250V	22	0.34	PVC/PUR	- Custom Made - Strip & Tin ends
5					4A	60V	60V	22	0.34	PVC/PUR	- Your other needs
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-F2-□-P-□-□-□

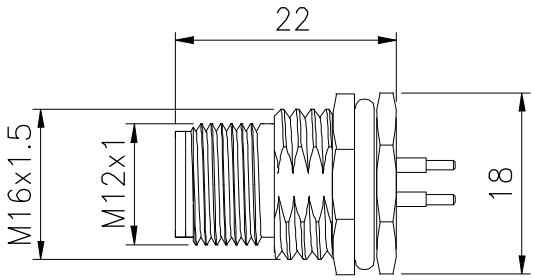
- pin number
- code type (except A type)
- cable material①
- cable length
- others

Ⓑ Customomized

M12-□-F2-□-P-□-□

- pin number
- code type (except A type)
- customized item number
- others

M12 male back mount PCB socket connector

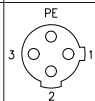
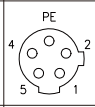
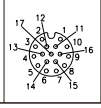


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

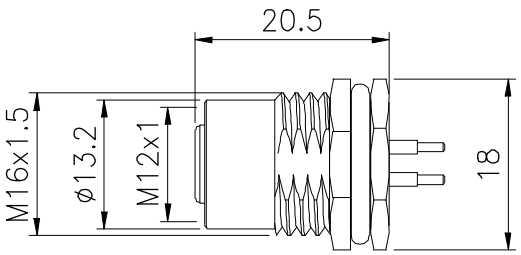
M9-□-F1-□-P

- □ (before F1): pin number
- □ (after F1): code type (except A type)

Ⓑ Customomized

M9-□-F1-□-P-□-□

- □ (after M9): pin number
- □ (after F1): code type (except A type)
- □ (after P): customized item number
- □ (last): others

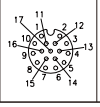


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12 -[ ]-F1-[ ]-S

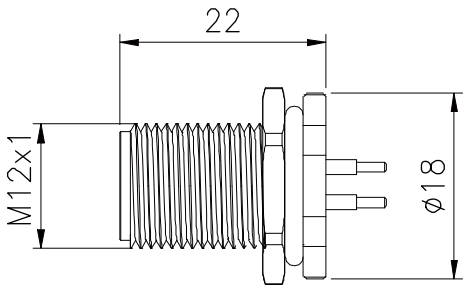
- [ ] (pin number)
- [ ] (code type (except A type))

Ⓑ Customomized

M12-[ ]-F1-[ ]-S-[ ]-[ ]

- [ ] pin number
- [ ] code type (except A type)
- [ ] customized item number
- [ ] others

M12 male back mount PCB socket connector

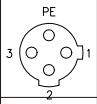


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut
4					4A	250V	250V	22	0.34	PVC/PUR	- Custom Made - Strip & Tin ends - Your other needs
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

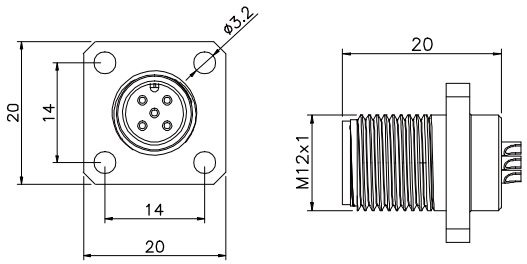
M12 -[ ]-F3-[ ]-S

- [ ] (pin number)
- [ ] (code type (except A type))

Ⓑ Customomized

M12-[ ]- F3-[ ]-S-[ ]-[ ]

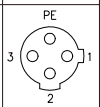
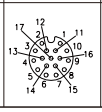
- [ ] pin number
- [ ] code type (except A type)
- [ ] customized item number
- [ ] others



Technical parameters

Shell material	Copper/Zinc	Insulation resistance	≥100mΩ
Core material	PA66	Contact resistance	≤10mΩ
Overmold material	PVC/TPU①	Degree of protection	IP67/IP68
Terminal material	Phosphor copper	Mating cycle	≥500次
Temperature	−40℃～+80℃	Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-H-□-P-□-□-□

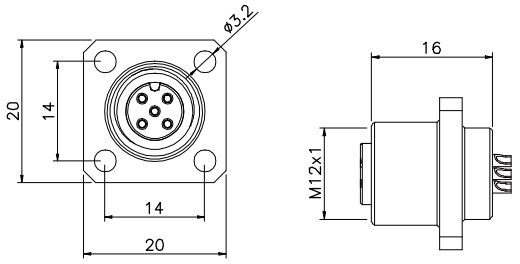
- code type (except A type)
- cable length
- others
- pin number
- cable material②

Ⓑ Customomized

M12 -□-H-□-P-□-□

- pin number
- customized item number
- others
- code type (except A type)

M12 female square flange socket connector



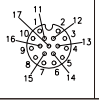
Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

M12

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

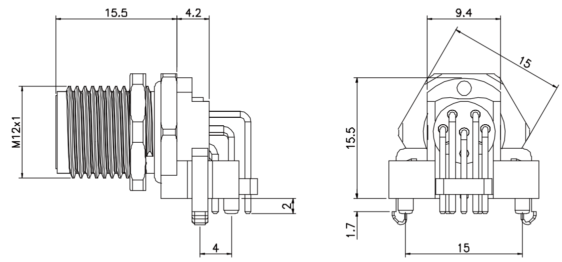
M12-□-H-□-S-□-□-□

pin number; code type (except A type); cable material③; cable length; others

Ⓑ Customomized

M12 -□-H-□-S-□-□

pin number; code type (except A type); customized item number; others

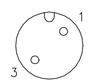
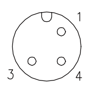
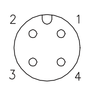
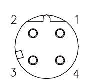
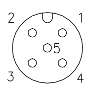
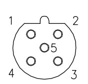
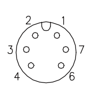
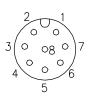
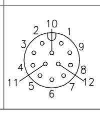


M12

Technical parameters

Shell material	Copper/Zinc	Insulation resistance	≥100mΩ
Core material	PA66	Contact resistance	≤10mΩ
Overmold material	PVC/TPU[1]	Degree of protection	IP67/IP68
Terminal material	Phosphor copper	Mating cycle	≥500次
Temperature	－40℃～＋80℃	Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-[ ]-L-[ ]-P-[ ]-[ ]-[ ]

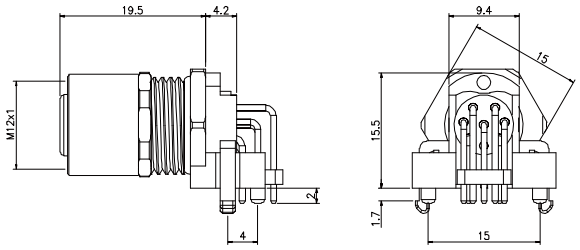
pin number; code type (except A type); cable material[3]; cable length; others

Ⓑ Customomized

M12 -[ ]-L -[ ]-P-[ ]-[ ]

pin number; code type (except A type); customized item number; others

M12 female angled PCB socket connector

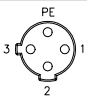


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-L-□-S-□-□-□

- pin number
- code type (except A type)
- cable material ③
- cable length
- others

Ⓑ Customomized

M12-□-L-□-S-□-□

- pin number
- code type (except A type)
- customized item number
- others

Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	

Order method

Ⓐ Regular type

M12P - [ ] - T - [ ]

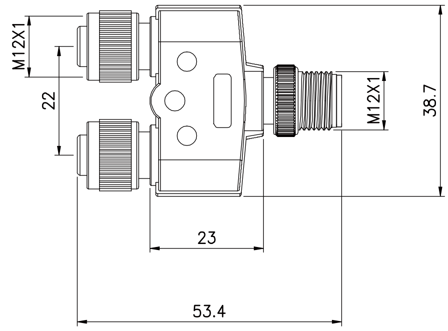
- [ ] (after T): code type (except A type)
- [ ] (after M12P): pin number

Ⓑ Customomized

M12 - [ ] - T - [ ] - [ ] - [ ]

- [ ] (after M12): pin number
- [ ] (after T): code type (except A type)
- [ ]: customized item number
- [ ]: others

M12 Y type splitter connector

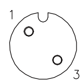
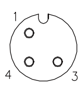
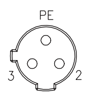
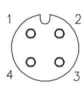
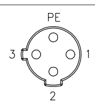
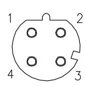
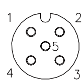
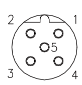
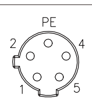
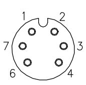
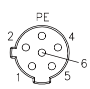
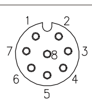


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	－40℃～＋80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	

Order method

Ⓐ Regular type

M12P -☐- Y -☐

code type (except A type)

pin number

Ⓑ Customomized

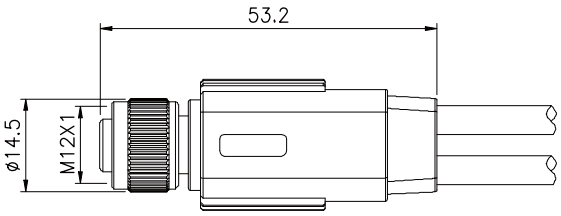
M12 -☐- Y -☐ -☐ -☐

others

pin number

customized item number

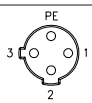
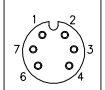
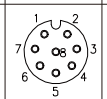
code type (except A type)



Technical parameters

Shell material	Copper/Zinc	Insulation resistance	≥100mΩ
Core material	PA66	Contact resistance	≤10mΩ
Overmold material	PVC/TPU①	Degree of protection	IP67/IP68
Terminal material	Phosphor copper	Mating cycle	≥500次
Temperature	−40℃～+80℃	Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	
3					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

M12-□-Y-□-S-□-□-□

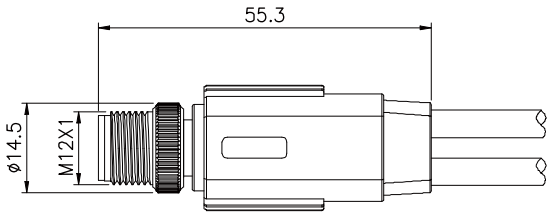
- pin number
- code type (except A type)
- cable material③
- cable length
- others

Ⓑ Customomized

M12 -□-Y-□-S-□-□

- pin number
- code type (except A type)
- customized item number
- others

M12 male Y type splitter overmold cable connector

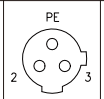
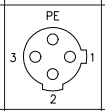
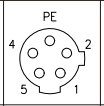
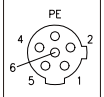
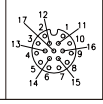


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
2					4A	250V	250V	22	0.34	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
3					4A	250V	250V	22	0.34	PVC/PUR	
4					4A	250V	250V	22	0.34	PVC/PUR	
5					4A	60V	60V	22	0.34	PVC/PUR	
6					2A	30V	30V	24	0.25	PVC/PUR	
8					2A	30V	30V	24	0.25	PVC/PUR	
12					1.5A	30V	30V	26	0.14	PVC/PUR	
17					1.5A	30V	30V	26	0.14	PVC/PUR	

Order method

Ⓐ Regular type

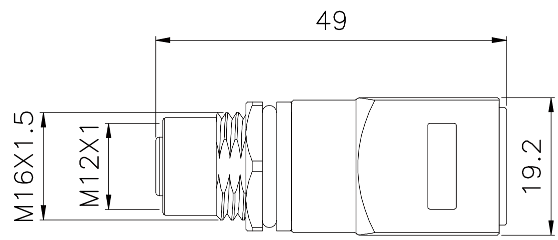
M12-□-Y-□-P-□-□-□

- pin number
- code type (except A type)
- cable material③
- cable length
- others

Ⓑ Customomized

M12-□-Y-□-P-□-□

- pin number
- code type (except A type)
- customized item number
- others

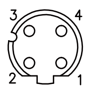
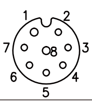


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～＋80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
4					4A	250V	250V	22	0.34		- Teflon Cable option - Ends cut - Custom Made
8					2A	30V	30V	24	0.25		- Strip & Tin ends - Your other needs

Order method

Ⓐ Regular type

M12 -☐-A-☐-S/RJ45

code type (except A type)

pin number

Ⓑ Customomized

M12 -☐- T -☐-S/RJ45-☐-☐

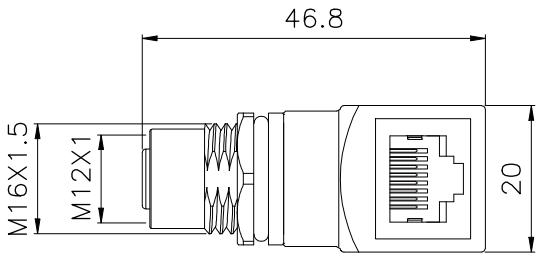
others

pin number

customized item number

code type (except A type)

M12 female/RJ45 angled adapter connector

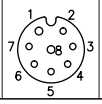


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
4					4A	250V	250V	22	0.34		- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
8					2A	30V	30V	24	0.25		

Order method

Ⓐ Regular type

M12 -□- D -□- -S/RJ45

code type (except A type)

pin number

Ⓑ Customomized

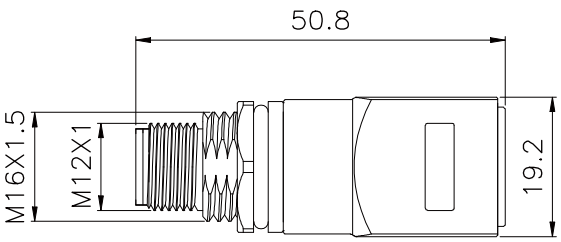
M12 -□- D -□- -S/RJ45- □ - □

pin number

code type (except A type)

customized item number

others



Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
4					4A	250V	250V	22	0.34		- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
8					2A	30V	30V	24	0.25		

Order method

Ⓐ Regular type

M12 - ☐ - A - ☐ - P/RJ45

☐ (before A): pin number

☐ (after A): code type (except A type)

Ⓑ Customomized

M12 - ☐ - A - ☐ - P/RJ45 - ☐ - ☐

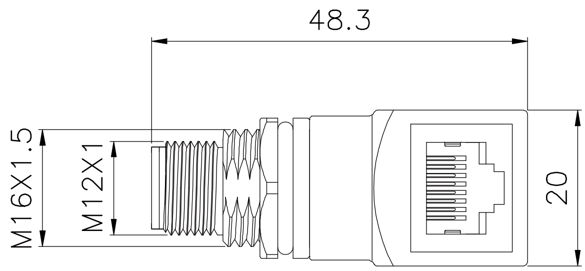
☐ (after M12): pin number

☐ (after A): code type (except A type)

☐ (after P/RJ45): customized item number

☐ (last): others

M12 male/RJ45 angled adapter connector

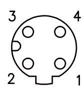
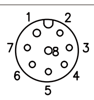


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Electric parameter

pin number	code type				rated current	rated voltage		cable size		cable material	Ends avaible
	A	B	C	D		A/C	D/C	AWG	mm²		
4					4A	250V	250V	22	0.34		- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends - Your other needs
8					2A	30V	30V	24	0.25		

Order method

Ⓐ Regular type

M12 -☐-D-☐-P/RJ45

code type (except A type)

pin number

Ⓑ Customomized

M12 -☐- D-☐- P/RJ45-☐-☐

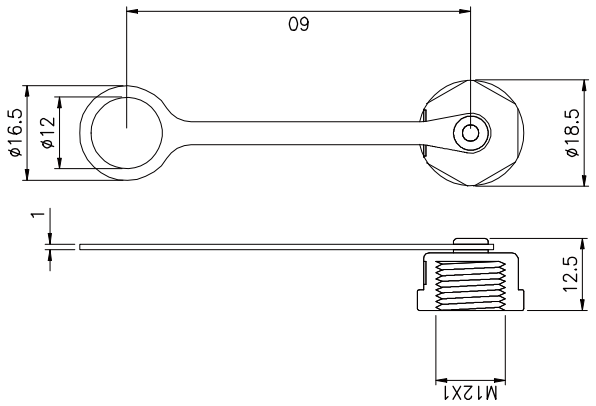
pin number

code type (except A type)

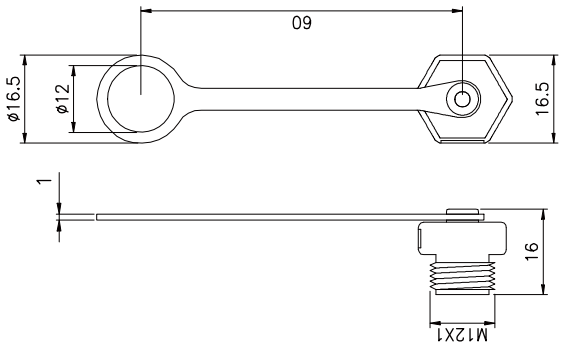
customized item number

others

M12 dust cap (internal thread)



M12 dust cap (external thread)



Technical parameters

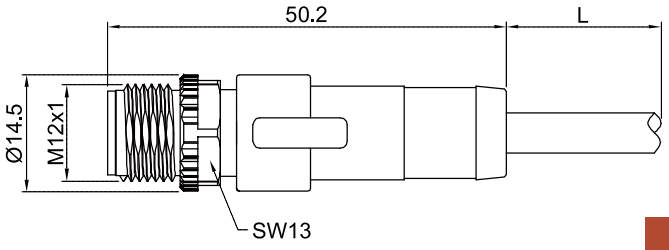
Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−40℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤10mΩ
Degree of protection	IP67/IP68
Mating cycle	≥500次
Cable diameter	

Order method

Ⓐ internal thread M12-L1	Ⓑ external thread M12-L2

M12 male straight overmold plug connector （X code)



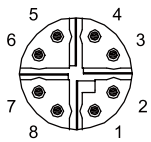
M12

Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−20℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤ 5mΩ
Degree of protection	IP67/IP68
Implementation standard	IEC61076-2-109
Agreement	CAT6A Ethernet

Electric parameter

pin number	code type	rated current	rated voltage		cable size		cable material	Ends avaible
	X		A/C	D/C	AWG	mm²		
8		0.5A	50V	60V	26～24	0.14～0.25	PVC/PUR	- Teflon Cable option - Ends cut - Custom Made - Strip & Tin ends

Order method

Ⓐ Regular type

M12-8A-X-P-□/□-□-□

overmold material; cable material②; cable length; others

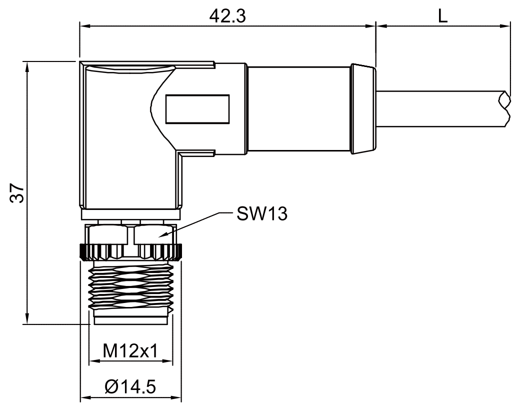
Ⓑ Customomized

M12-8A-X-P-□ □

customized item number; others

Noted

X code is for 10 Gigabit ethernet, it meets CAT6 and Ethernet standard

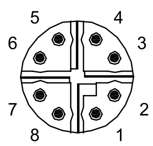


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−20℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤ 5mΩ
Degree of protection	IP67/IP68
Implementation standard	IEC61076-2-109
Agreement	CAT6A Ethernet

Electric parameter

pin number	code type	rated current	rated voltage		cable size		cable material	Ends avaible
	X		A/C	D/C	AWG	mm²		
8		0.5A	50V	60V	26～24	0.14～0.25	PVC/PUR	- Cat 5 & Cat 6 - RJ45 8P8C & RJ12 - Custom Made - Strip & Tin ends

Order method

Ⓐ Regular type

M12-8D-X-P-□/□-□-□

overmold material, cable material③, cable length, others

Ⓑ Customomized

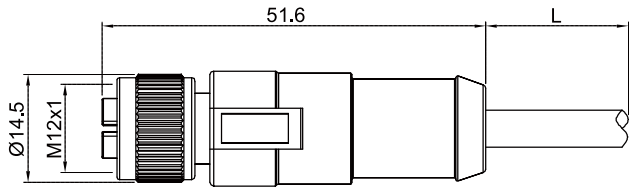
M12-8D-X-P-□ □

customized item number, others

Noted

X code is for 10 Gigabit ethernet, it meets CAT6 and Ethernet standard

M12 female straight overmold plug connector （X code)

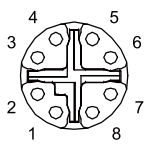


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−20℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤ 5mΩ
Degree of protection	IP67/IP68
Implementation standard	IEC61076-2-109
Agreement	CAT6A Ethernet

Electric parameter

pin number	code type	rated current	rated voltage		cable size		cable material	Ends avaible
	X		A/C	D/C	AWG	mm²		
8		0.5A	50V	60V	26～24	0.14～0.25	PVC/PUR	- Cat 5 & Cat 6 - RJ45 8P8C & RJ12 - Custom Made - Strip & Tin ends

Order method

Ⓐ Regular type

M12-8A-X-S-□/□-□-□

overmold material ; cable material① ; cable length ; others

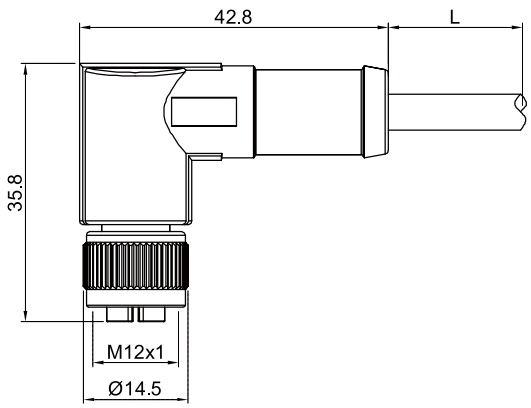
Ⓑ Customomized

M12-8A-X-S-□ □

customized item number ; others

Noted

X code is for 10 Gigabit ethernet, it meets CAT6 and Ethernet standard

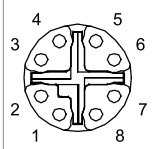


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−20℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤ 5mΩ
Degree of protection	IP67/IP68
Implementation standard	IEC61076-2-109
Agreement	CAT6A Ethernet

Electric parameter

pin number	code type	rated current	rated voltage		cable size		cable material	Ends avaible
	X		A/C	D/C	AWG	mm²		
8		0.5A	50V	60V	26～24	0.14～0.25	PVC/PUR	- Cat 5 & Cat 6 - RJ45 8P8C & RJ12 - Custom Made - Strip & Tin ends

Order method

Ⓐ Regular type

M12-8D-X-S-□/□-□-□

- overmold material
- cable material②
- cable length
- others

Ⓑ Customomized

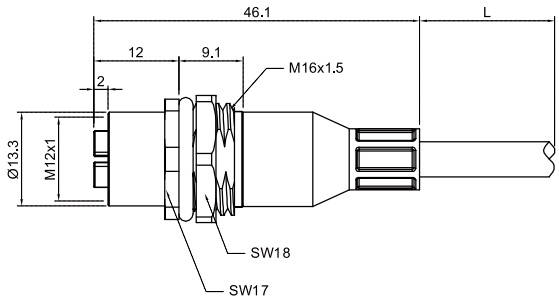
M12-8D-X-S-□ □

- customized item number
- others

Noted

X code is for 10 Gigabit ethernet, it meets CAT6 and Ethernet standard

M12 female front mount socket connector（X code)

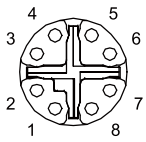


Technical parameters

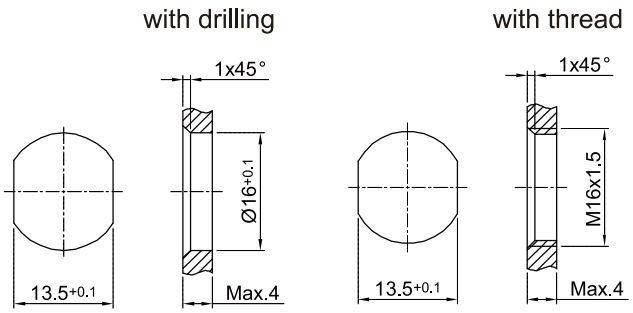
Shell material	Copper/Zinc
Core material	PA66
Overmold material	PVC/TPU①
Terminal material	Phosphor copper
Temperature	−20℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤ 5mΩ
Degree of protection	IP67/IP68
Implementation standard	IEC61076-2-109
Agreement	CAT6A Ethernet

Electric parameter

pin number	code type	rated current	rated voltage		cable size		cable material	Ends avaible
	X		A/C	D/C	AWG	mm²		
8		0.5A	50V	60V	26～24	0.14～0.25	PVC/PUR	- Cat 5 & Cat 6 - RJ45 8P8C & RJ12 - Custom Made - Strip & Tin ends

Hole size



Order method

Ⓐ Regular type

M12-8B-X-S-□/□-□-□

overmold material ; cable material③ ; cable length ; others

Ⓑ Customomized

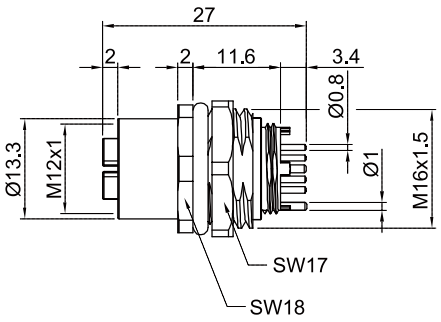
M12-8B-X-S-□ □

customized item number ; others

Noted

X code is for 10 Gigabit ethernet, it meets CAT6 and Ethernet standard

M12 female front mount PCB socket connector（X code）



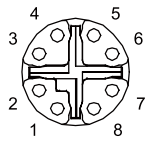
M12

Technical parameters

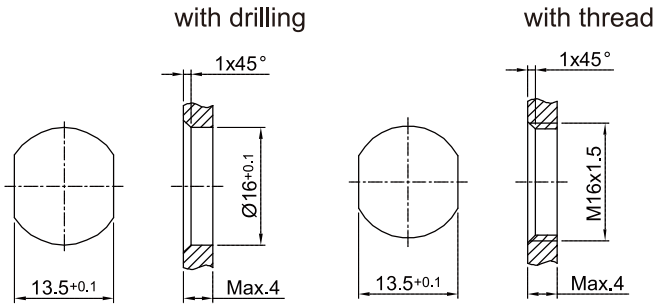
Shell material	Copper/Zinc
Core material	PA66
Overmold material	FKM
Terminal material	Copper plating
Temperature	−20℃～+80℃

Insulation resistance	≥100mΩ
Contact resistance	≤ 5mΩ
Degree of protection	IP67/IP68
Implementation standard	IEC61076-2-109
Agreement	CAT6A Ethernet

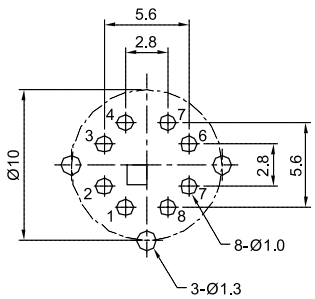
Electric parameter

pin number	code type	rated current	rated voltage		cable size		cable material	Ends avaible
	X		A/C	D/C	AWG	mm²		
8		0.5A	50V	60V	26～24	0.14～0.25	PVC/PUR	- Cat 5 & Cat 6 - RJ45 8P8C & RJ12 - Custom Made - Strip & Tin ends

Hole size



PCB hole position



Order method

Ⓐ Regular type

M12-8B1-X-S - [ ] [ ]

Fixed gage　others

Ⓑ Customomized

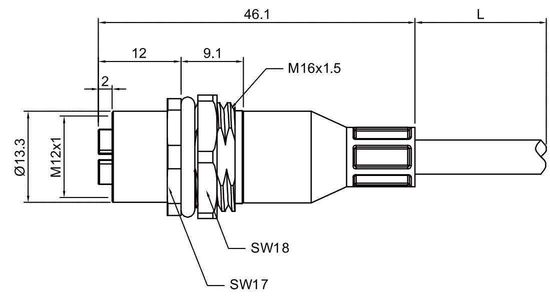
M12-8B1-X-S - [ ] [ ]

customized item number　others

Noted

X code is for 10 Gigabit ethernet, it meets CAT6 and Ethernet standard

M12 female back mount socket connector(X code)

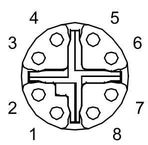


Technical parameters

Shell material	Copper/Zinc
Core material	PA66
Overmold material	FKM
Terminal material	Copper plating
Temperature	−20℃～+80℃

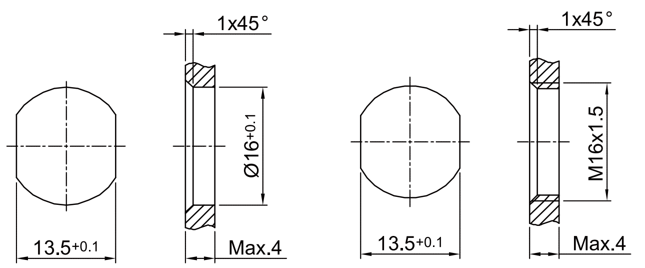
Insulation resistance	≥100mΩ
Contact resistance	≤ 5mΩ
Degree of protection	IP67/IP68
Implementation standard	IEC61076-2-109
Agreement	CAT6A Ethernet

Electric parameter

pin number	code type	rated current	rated voltage		cable size		cable material	Ends avaible
	X		A/C	D/C	AWG	mm²		
8		0.5A	50V	60V	26～24	0.14～0.25	PVC/PUR	- Cat 5 & Cat 6 - RJ45 8P8C & RJ12 - Custom Made - Strip & Tin ends

Hole size

with drilling　　　　with thread



Order method

Ⓐ Regular type

M12-8F-X-S - ☐ / ☐ - ☐ - ☐

overmold material / cable material③ / cable length / others

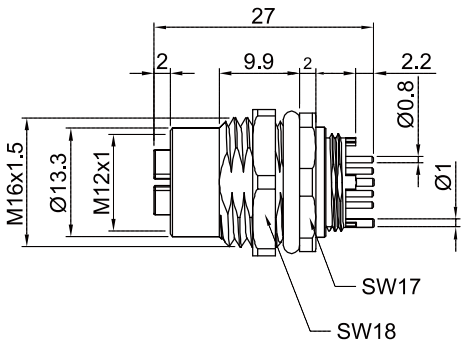
Ⓑ Customomized

M12-8F-X-S - ☐ ☐

customized item number / others

Noted

X code is for 10 Gigabit ethernet, it meets CAT6 and Ethernet standard

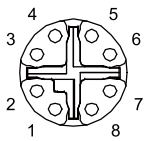


Technical parameters

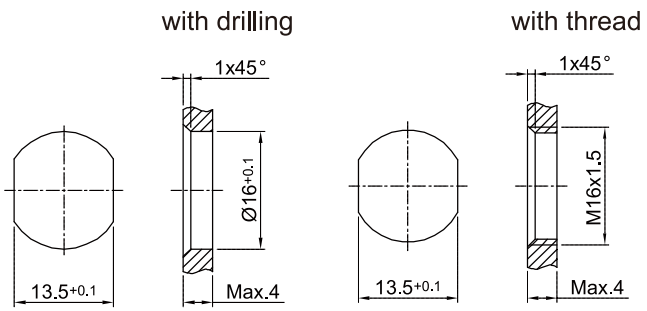
Shell material	Copper/Zinc
Core material	PA66
Overmold material	FKM
Terminal material	Copper plating
Temperature	−20℃～+80℃

≥100mΩ（兆欧）
≤5mΩ（毫欧）
IP67/IP68
IEC61076-2-109
CAT6A Ethernet

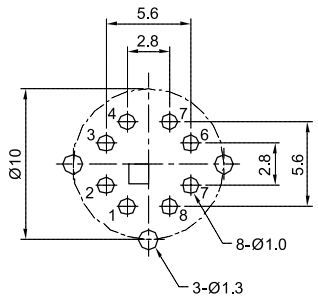
Electric parameter

pin number	code type	rated current	rated voltage		cable size		cable material	Ends avaible
	X		A/C	D/C	AWG	mm²		
8		0.5A	50V	60V	26～24	0.14～0.25	PVC/PUR	- Cat 5 & Cat 6 - RJ45 8P8C & RJ12 - Custom Made - Strip & Tin ends

Hole size



PCB hole position



Order method

Ⓐ Regular type

M12-8F1-X-S - ☐ ☐

Fixed gage　others

Ⓑ Customomized

M12-8F1-X-S - ☐ ☐

customized item number　others

Noted

X code is for 10 Gigabit ethernet, it meets CAT6 and Ethernet standard