



Junction Box, 8 Ports, M5 Termination, Molded Cable

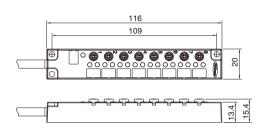
• Connector series: Junction Box

• Termination: M5

• Locking type: Fix screw

• Part No.: JB8M5F**L-XX(With LED) JB8M5F**-XX(Without LED)

** refers to pins number X refers to cable length









■ General information

Ambient temperature:	-40°C ~ $+80$ °C(fixed installation)
	-25°C ~ +80°C(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram Cable Specifica	
04Pins	Pin assignment M5(Female)	1/4(WH) 2/4(GN) 3/4(YE) 4/4(GY) 5/4(PK) 6/4(RD) 7/4(BK) 8/4(VT) (BU) (BN)	Cable: 8*0.14mm²(26AWG) 2*0.25mm²(24AWG) PUR/PVC jacket by customized







Junction Box, 8 Ports, M5 Termination, with M12 Connector

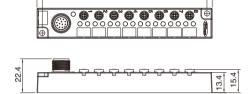
• Connector series: Junction Box

• Termination: M5

• Locking type: Fix screw

• Part No.: JB8M5F**L-M12M**(with LED) JB8M5F**-M12M**(without LED)

** refers to pins number X refers to cable length









■ General information

Ambient temperature:	-25℃ ~ +80℃
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM
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Contact resistance :	$\leq 3m\Omega$
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram	
04Pins	Pin assignment M5(Female)	3 4 6 8 5 9 7 10 2 1 - +	
12Pins	70 6 05 8 0 0 04 9 12 0 1 0 3 1 0 10 0 2 Pin assignment M12(Male)	1 2 3 4 5 6 7 8	









Junction Box, 6 Ports, M5 Termination, Molded Cable

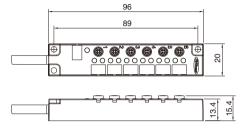
• Connector series: Junction Box

• Termination: M5

• Locking type: Fix screw

• Part No.: JB6M5F**L-XX(With LED) JB6M5F**-XX(Without LED)

** refers to pins number X refers to cable length









■ General information

Ambient temperature:	-40°C ~ $+80$ °C(fixed installation)
	-25°C ~ +80°C(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram	Cable Specification
04Pins	Pin assignment M5(Female)	1/4(WH) 2/4(GN) 3/4(YE) 4/4(GY) 5/4(PK) 6/4(RD) (BU) (BN) 1 2 3 4 5 6	Cable: 8*0.14mm²(26AWG) 2*0.25mm²(24AWG) PUR/PVC jacket by customized







Junction Box, 6 Ports, M5 Termination, with M12 Connector

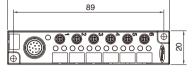
• Connector series: Junction Box

• Termination: M5

• Locking type: Fix screw

• Part No.: JB6M5F**L-M12M**(with LED) JB6M5F**-M12M**(without LED)

** refers to pins number



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■ General information

-25℃ ~ +80℃
TPU
Brass with gold plated
PBT
Brass with nickel plated
Blue
FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram
04Pins	Pin assignment M5(Female)	3 4 6 8 5 9 2 1
12Pins	77	1 2 3 4 5 6









Junction Box, 4 Ports, M5 Termination, Molded Cable

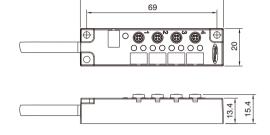
• Connector series: Junction Box

• Termination: M5

• Locking type: Fix screw

• Part No.: JB4M5F**L-XX(With LED) JB4M5F**-XX(Without LED)

** refers to pins number X refers to cable length









■ General information

Ambient temperature:	-40°C ~ $+80$ °C(fixed installation)
	-25°C ~ +80°C(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram	Cable Specification
04Pins	Pin assignment M5(Female)	1/4(WH) 2/4(GN) 3/4(YE) 4/4(GY) (BU) (BN) - + 1 2 3 4	Cable: 4*0.14mm²(26AWG) 2*0.25mm²(24AWG) PUR/PVC jacket by customized







Junction Box, 4 Ports, M5 Termination, with M12 Connector

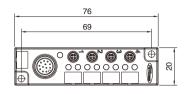
• Connector series: Junction Box

• Termination: M5

• Locking type: Fix screw

• Part No.: JB4M5F**L-M12M**(with LED) JB4M5F**-M12M**(without LED)

** refers to pins number











■ General information

-25℃ ~ +80℃
TPU
Brass with gold plated
PBT
Brass with nickel plated
Blue
FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram
04Pins	Pin assignment M5(Female)	3 4 6 8 2 1
12Pins	Pin assignment M12(Male)	1 2 3 4









Junction Box, 8 Ports, M8 Termination, Molded Cable

• Connector series: Junction Box

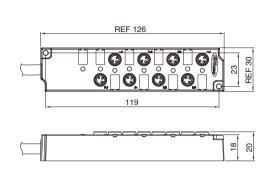
• Termination: M8

• Locking type: Fix screw

• Coding type: A-coding

• Part No.: JB8M8F**L-XX (with LED) JB8M8F**-XX (without LED)

** refers to pins number X refers to cable length









■ General information

Ambient temperature:	-40°C ~ +80°C(fixed installation)
	-25°C ~ +80°C(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram Cable Specification	
03Pins	Pin assignment M8(Female)	1/4 2/4 3/4 4/4 5/4 6/4 7/4 8/4 (-) (+)	Cable: 8*0.25mm²(26AWG) 2*0.5mm²(24AWG) PUR/PVC jacket by customized





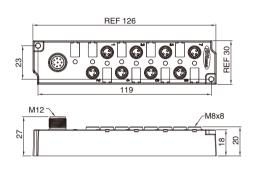


Junction Box, 8 Ports, M8 Termination, with M12 Connector

• Connector series: Junction Box

• Termination: M8 • Locking type: Fix screw • Coding type: A-coding

• Part No.: JB8M8F**L-M12M** (with LED) JB8M8F**-M12M** (without LED)









■ General information

Ambient temperature:	-25℃ ~ +80℃
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram
03Pins	Pin assignment M8(Female)	3 4 6 8 5 9 7 10 (-) (+) 2 1
12Pins	70 6 05 8 0 0 04 9 12 0 1 0 3 1 0 10 0 2 Pin assignment M12(Male)	



^{**} refers to pins number







Junction Box, 6 Ports, M8 Termination, Molded Cable

• Connector series: Junction Box

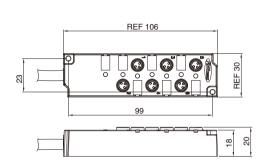
• Termination: M8

• Locking type: Fix screw

• Coding type: A-coding

• Part No.: JB6M8F**L-XX (with LED) JB6M8F**-XX (without LED)

** refers to pins number X refers to cable length





RoHS (P67)



■ General information

Ambient temperature:	-40°C ~ $+80$ °C(fixed installation)
	-25°C ~ $+80$ °C(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram Cabl Specific	
03Pins	Pin assignment M8(Female)	1/4 2/4 3/4 4/4 5/4 6/4 (-) (+)	Cable: 6*0.25mm²(26AWG) 2*0.5mm²(24AWG) PUR/PVC jacket by customized





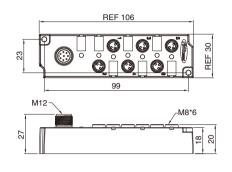


Junction Box, 6 Ports, M8 Termination, with M12 Connector

• Connector series: Junction Box

• Termination: M8 • Locking type: Fix screw • Coding type: A-coding

• Part No.: JB6M8F**L-M12M** (with LED) JB6M8F**-M12M** (without LED)









■ General information

-25℃ ~ +80℃
TPU
Brass with gold plated
PBT
Brass with nickel plated
Blue
FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram
03Pins	Pin assignment M8(Female)	(-) (+) 1 2 3 4 6 8 7 5
08Pins	6	



^{**} refers to pins number







Junction Box, 4 Ports, M8 Termination, Molded Cable

• Connector series: Junction Box

• Termination: M8

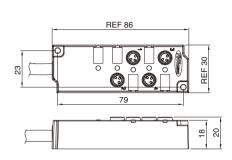
• Locking type: Fix screw

• Coding type: A-coding

• Part No.: JB4M8F**L-XX (with LED)

JB4M8F**-XX (without LED)

** refers to pins number X refers to cable length





RoHS (P67)



■ General information

Ambient temperature:	-40°C ~ $+80$ °C(fixed installation)
	-25°C ~ +80°C(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram	Cable Specification
03Pins	Pin assignment M8(Female)	1/4 2/4 3/4 4/4 (-) (+)	Cable: 4*0.25mm²(26AWG) 2*0.5mm²(24AWG) PUR/PVC jacket by customized





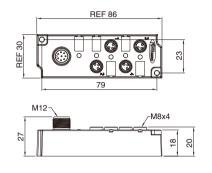


Junction Box, 4 Ports, M8 Termination, with M12 Connector

• Connector series: Junction Box

• Termination: M8 • Locking type: Fix screw • Coding type: A-coding

• Part No.: JB4M8F**L-M12M** (with LED) JB4M8F**-M12M** (without LED)









■ General information

-25℃ ~ +80℃
TPU
Brass with gold plated
PBT
Brass with nickel plated
Blue
FKM

Contact resistance :	≤ 5mΩ	
Rated voltage with/without LED:	10~30V/120V	
Rated current:	2A per signal,6A total	
LED color:	Optional	
IP rating:	IP 67 in locked condition	
M12 type:	8P	

Contacts Circuit diagram		Circuit diagram
03Pins	Pin assignment M8(Female)	1 2 3 4 7 5
08Pins	6	



^{**} refers to pins number







Junction Box, 8 Ports, M12 Termination, Molded Cable

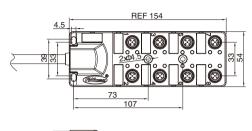
• Connector series: Junction Box

Termination: M12Locking type: Fix screwCoding type: A-coding

• Part No.: JB8M12F**L-XX (with LED)

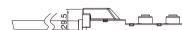
JB8M12F**-XX (without LED)

** refers to pins number X refers to cable length









■ General information

Ambient temperature:	-40°C ~ $+80$ °C(fixed installation)
	-25°C ~ +80°C(flexible installation)
Connector insert:	TPU/PA
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts Circuit diagram		Cable Specification
04Pins	Blind hole Pin assignment M12(Female)	(c) 1/4 2/4 3/4 4/4 5/4 6/4 7/4 8/4 (+) PE	Cable: 3C*0.75mm²(18AWG)+ 8C*0.34mm²(22AWG) PUR/PVC jacket by customized
05Pins	Pin assignment M12(Female)	(-) 1/4 1/2 2/4 2/2 3/4 3/2 4/4 4/2 5/4 5/2 6/4 6/2 7/4 7/2 8/4 (+) 8/2PE	Cable: 3C*0.75mm²(18AWG)+ 16C*0.34mm²(22AWG) PUR/PVC jacket by customized



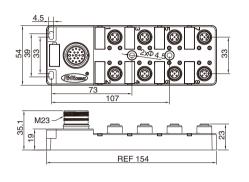


Junction Box, 8 Ports, M12 Termination, with M23 Connector

• Connector series: Junction Box

• Termination: M12 • Locking type: Fix screw • Coding type: A-coding

• Part No.: JB8M12F**L-M23M** (with LED) JB8M12F**-M23M** (without LED)







■ General information

Seal:	FKM
Body color:	Blue
Coupling nut/screw:	Brass with nickel plated
Material of body:	PBT
Connector contacts:	Brass with gold plated
Connector insert:	TPU/PA
Ambient temperature:	-25℃ ~ +80℃

Contact resistance :	$\leq 5 \text{m}\Omega$
Rated voltage with/without LED:	10~30V/120V
Rated current:	2A per signal,6A total
LED color:	Optional
IP rating:	IP 67 in locked condition
M12 type:	8P

	Contacts	Circuit diagram	
04Pins	Blind hole Pin assignment M12(Female)	10 1 2 3 4 5 6 7 8 11 12 E	
12Pins	8 9 1 7 12 10 2 0 0 0 0 6 11 3 5 4 0 M23 Male	1 2 3 4 5 6 7 8	
05Pins	Pin assignment M12(Female)	(a) 15 7 5 4 16 8 3 14 17 9 2 13 11 10 1 (b) 18 12 PE	
19Pins	10 0 19 013 3 0 16 015 04 0 05 0 05 0 05 0 05 0 05 0 05 0	1 2 3 4 5 6 7 8	



^{**} refers to pins number





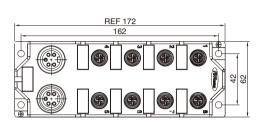


Junction Box, 8 Ports, M12 Termination, with Mini-Change 7/8" Connector

• Connector series: Junction Box

• Termination: M12 • Locking type: Fix screw • Coding type: A-coding

• Part No.: JB8M12F**L-MINIMF** (with LED)









■ General information

Ambient temperature:	-25℃ ~ +80℃
Connector insert:	TPU/PA
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 5mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	2A per signal,6A total
LED color:	Optional
IP rating:	IP 67 in locked condition
M12 type:	8P

	Contacts	Circuit diagram
05Pins	30 04 05 20 01 Pin assignment	M12(1) 3 >
	M12(Female)	M12(2) 3
05Pins	Pin assignment 7/8" (Male)	M12(3) 3
	<u> </u>	M12(4) 3
05Pins	Pin assignment 7/8" (Female)	7/8" male P1 3



^{**} refers to pins number





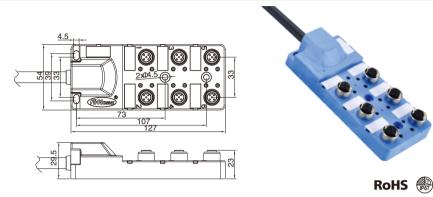
Junction Box, 6 Ports, M12 Termination, Molded Cable

• Connector series: Junction Box with cable

Termination: M12Locking type: Fix screwCoding type: A-coding

• Part No.: JB6M12F**L-XX (with LED)
JB6M12F**-XX (without LED)

** refers to pins number X refers to cable length



■ General information

-40°C ~ +80°C(fixed installation)
-25°C ~ +80°C(flexible installation)
TPU/PA
Brass with gold plated
PBT
Brass with nickel plated
Blue
FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

Contacts		Circuit diagram	Cable Specification
04Pins	Blind hole Pin assignment M12(Female)	(-) 1/4 2/4 3/4 4/4 5/4 6/4 (+) PE 1 2 3 4 5 6	Cable: 3C*0.75mm²(18AWG)+ 6C*0.34mm²(22AWG) PUR/PVC jacket by customized
05Pins	Pin assignment M12(Female)	(-) 1/4 1/2 2/4 2/2 3/4 3/2 4/4 4/2 5/4 5/2 6/4 (+) 6/2PE	Cable: 3C*0.75mm²(18AWG)+ 12C*0.34mm²(22AWG) PUR/PVC jacket by customized







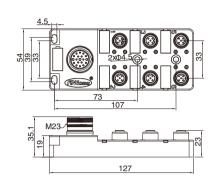


Junction Box, 6 Ports, M12 Termination, with M23 Connector

• Connector series: Junction Box

• Termination: M12 • Locking type: Fix screw • Coding type: A-coding

• Part No.: JB6M12F**L-M23M** (with LED) JB6M12F**-M23M** (without LED)





RoHS (P67)



■ General information

Ambient temperature:	-25℃ ~ +80℃
Connector insert:	TPU/PA
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 5mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	2A per signal,6A total
LED color:	Optional
IP rating:	IP 67 in locked condition
M12 type:	8P

	Contacts	Circuit diagram
04Pins	Blind hole Pin assignment M12(Female)	70 1 2 3 4 71) PE
12Pins	8 9 1 7 12 10 2 0 0 0 0 6 11 3 5 4 0 M23 Male	1 2 3 4
05Pins	Pin assignment M12(Female)	(5) 15 7 5 4 16 8 3 (9) 14 12 ************************************
19Pins	12 12 10 10 10 10 10 10 10 10 10 10 10 10 10	

^{**} refers to pins number





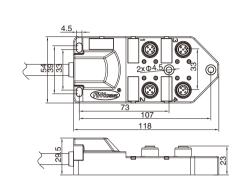
Junction Box, 4 Ports, M12 Termination, Molded Cable

• Connector series: Junction Box

• Termination: M12 • Locking type: Fix screw • Coding type: A-coding

• Part No.: JB4M12F**L-XX (with LED) JB4M12F**-XX (without LED)

** refers to pins number X refers to cable length





RoHS (P67)



■ General information

Ambient temperature:	-40°C ~ $+80$ °C(fixed installation)
	-25°C ~ +80°C(flexible installation)
Connector insert:	TPU/PA
Connector contacts:	Brass with gold plated
Material of body:	PBT
Coupling nut/screw:	Brass with nickel plated
Body color:	Blue
Seal:	FKM

Contact resistance :	≤ 3mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	1A per signal,3A total
LED color:	Optional
IP rating:	IP 67 in locked condition

	Contacts	Circuit diagram	Cable Specification
04Pins	Blind hole Pin assignment M12(Female)	(·) 1/4 2/4 3/4 4/4 (+) PE (b) 05 6) (a) 05 6	Cable: 3C*0.75mm²(18AWG)+ 4C*0.34mm²(22AWG) PUR/PVC jacket by customized
05Pins	Pin assignment M12(Female)	(·) 1/4 1/2 2/4 2/2 3/4 3/2 4/4 (+) 4/2PE	Cable: 3C*0.75mm²(18AWG)+ 8C*0.34mm²(22AWG) PUR/PVC jacket by customized





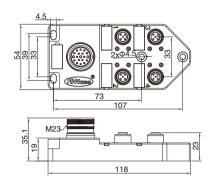


Junction Box, 4 Ports, M12 Termination, with M23 Connector

• Connector series: Junction Box

• Termination: M12 • Locking type: Fix screw • Coding type: A-coding

• Part No.: JB4M12F**L-M23M** (with LED) JB4M12F**-M23M** (without LED)









■ General information

Connector insert: TPU/PA Connector contacts: Brass with gold plated Material of body: PBT
3 1
Material of body: PBT
Coupling nut/screw: Brass with nickel plated
Body color: Blue
Seal: FKM

Contact resistance :	≤ 5mΩ
Rated voltage with/without LED:	10~30V/120V
Rated current:	2A per signal,6A total
LED color:	Optional
IP rating:	IP 67 in locked condition
M12 type:	8P

	Contacts	Circuit diagram
04Pins	Blind hole Pin assignment M12(Female)	70 1 2 3 4 5 6 11 PE
12Pins	8 9 1 7 12 10 2 0 0 0 0 6 11 3 5 4 0 M23 Male	1 2 3 4 5 6
05Pins	Pin assignment M12(Female)	8 15 7 5 4 16 8 3 14 17 9 2 (19) 13 12
19Pins	12 0 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 3 4 5 6



^{**} refers to pins number