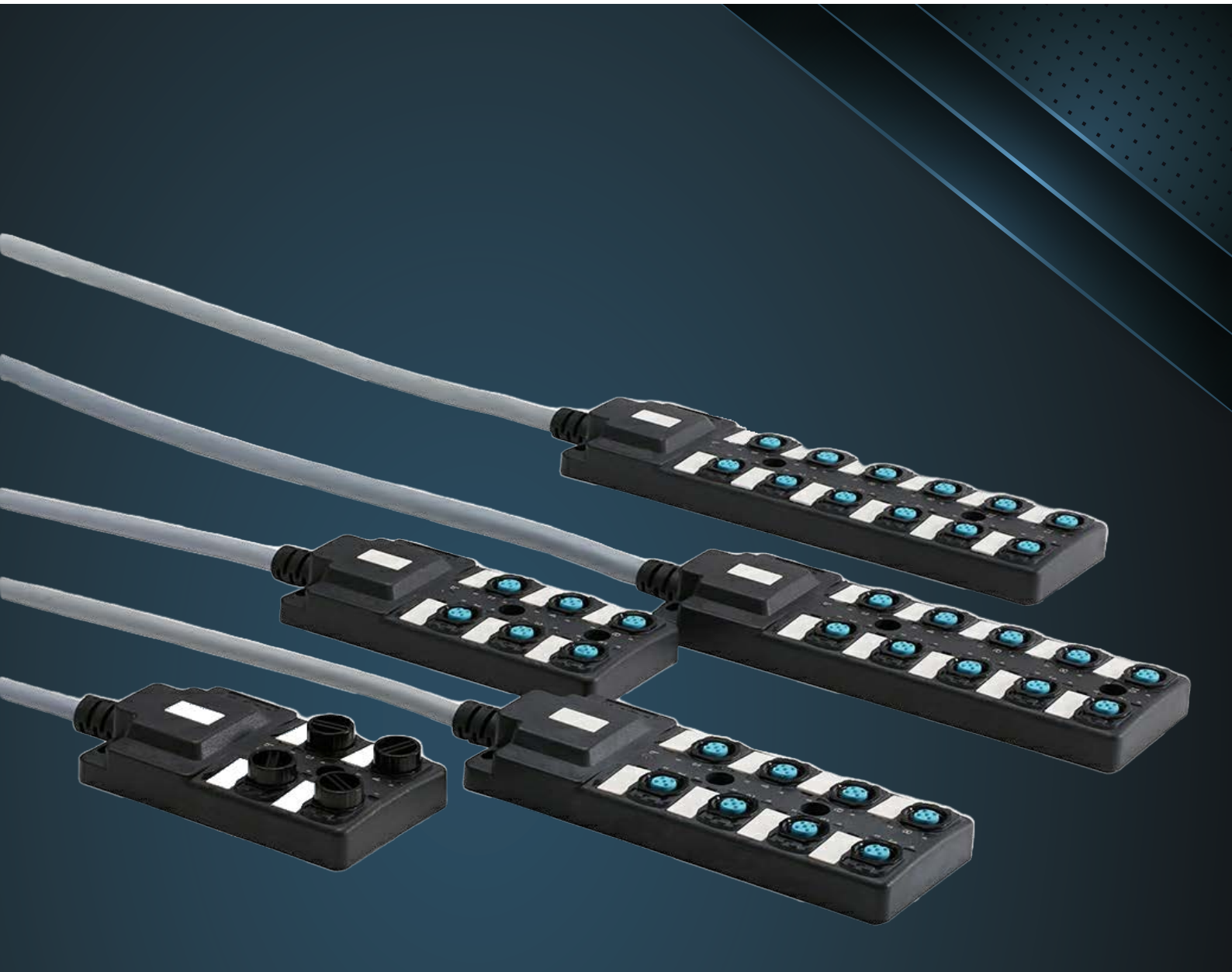


FADEYA



Junction Box

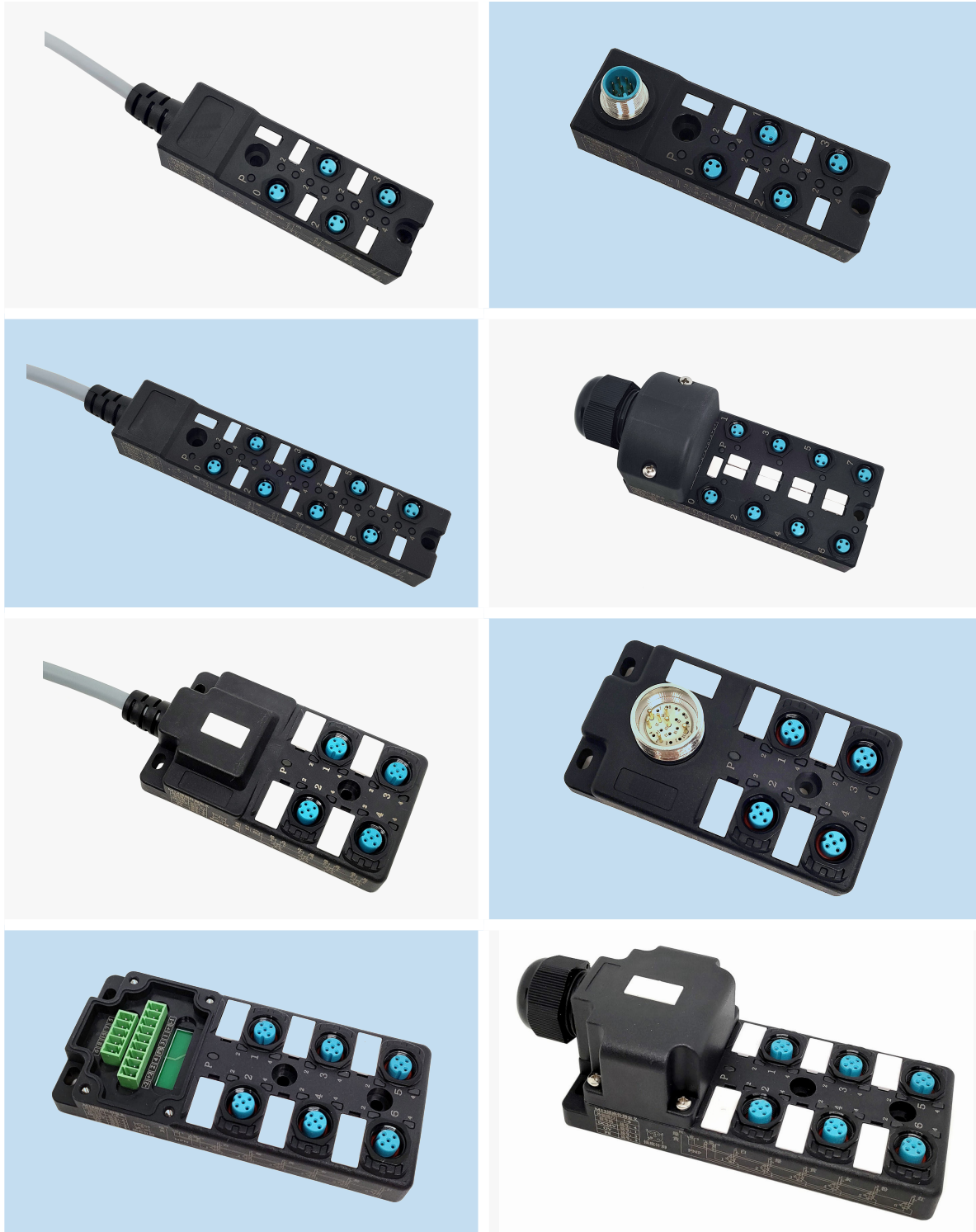
fadeya (shanghai) co . , Ltd

FADEYA

Automation Package Solution



Applied in automated control systems, it is used for the transmission, conversion, isolation, and transmission of various industrial signals. It works in conjunction with various industrial sensors to meet users' needs for local monitoring and remote data acquisition



Industrial Sensor/Actuator Junction Box

M8 Junction Box Model Numbering

M8 - 4P - 1L - NPN - 5.0 - PVC/BK

Type.

M8

Color:
Black(BK),Gray(GY)

Material:PVC/PUR

InterfaceType

5.0:CableLength
 TB:PCB PortWiring (terminal box)
 PW:PCB PortWiring (NO terminal box)
 M23: M23 PlugConnection

Wiring Method

NPN: NPN Type
 PNP: PNP Type
 NON: None

Channles

Option:
 4P: 4 Ports
 6P: 6 Ports
 8P: 8 Ports
 10P: 10 Ports
 12P: 12 Ports
 16P: 16 Ports

1CN: SingleChannel (Narrow)
 2CN: DoubleChannel (Narrow)
 1CW: SingleChannel (Wide)
 2CW: DoubleChannel (Wide)

M12 Junction Box Model Numbering

M12 - 4P - 1C - NPN - 5.0 - PVC/BK

Type

M12

Color:
Black(BK),Gray(GY)

Material:PVC/PUR

Interface

5.0:CableLength
 TB: PCB PortWiring (terminal box)
 PW:PCB PortWiring (NO terminal box)
 M23:M23 PlugConnection
 M12:M12 PlugConnection

Wiring Method

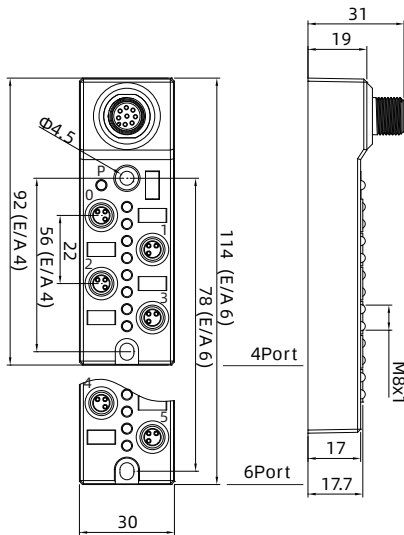
NPN: NPN Type
 PNP: PNP Type
 NON: None

Channels

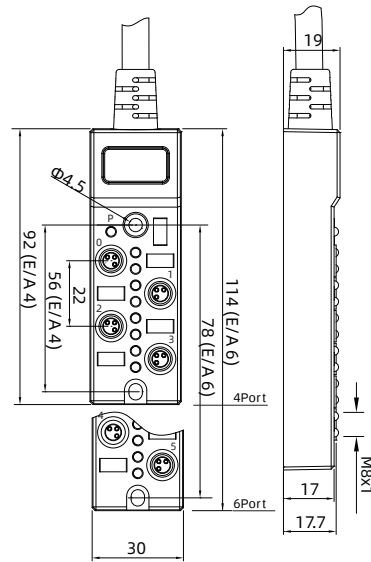
1C: Single Channel
 2C: Double Channel

M8 Junction Box Installation Dimensions

M12 PlugConnection - 4Port/6Port

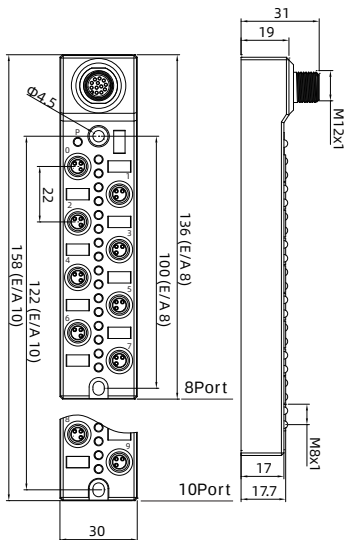


WithCable- 4Port/6Port

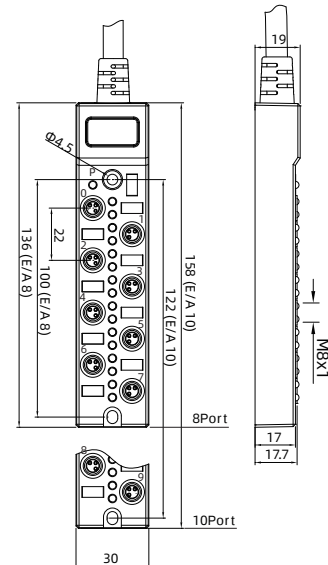


PremouldCable

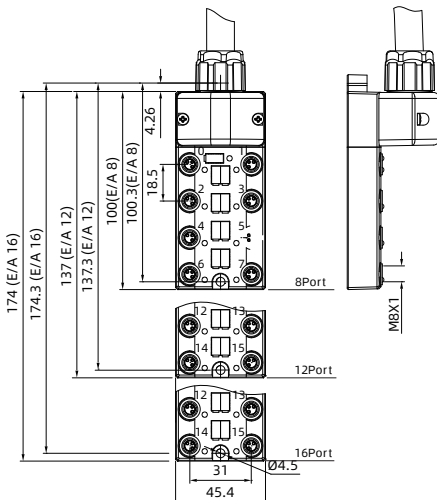
M12 PlugConnection - 8Port/10Port



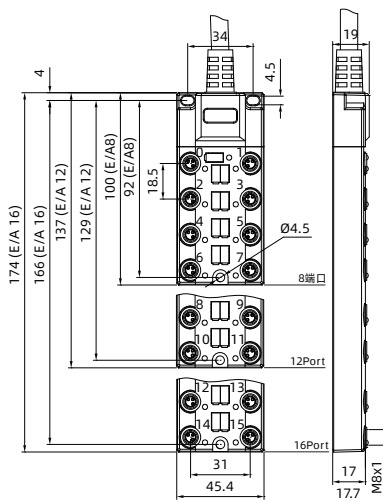
WithCable - 8Port/10Port (Narrow)



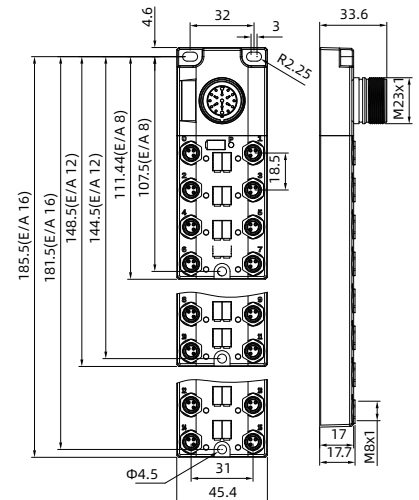
PCB PortWiring - 6/8/10/12/16Port



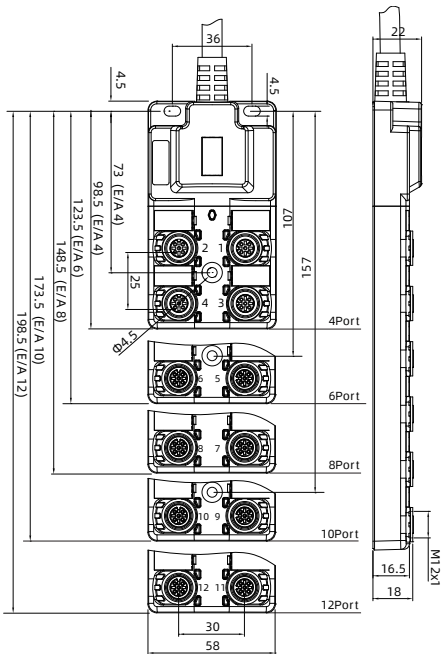
WithCable - 6/8/10/12/16Port



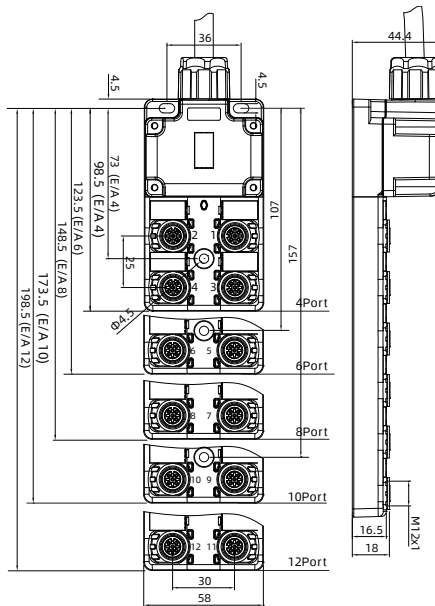
M23 PlugConnection - 8/12/16Port



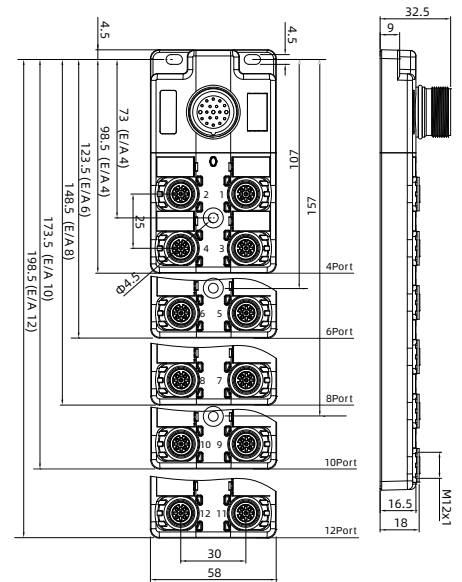
WithCable
4/6/8/10/12Port



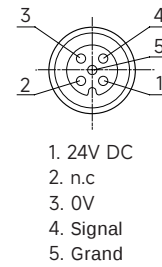
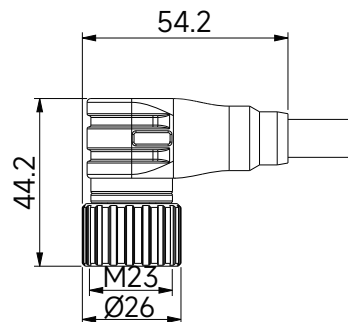
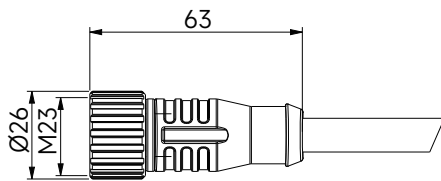
PCB PortWiring
4/6/8/10/12Port



M23 PlugConnection
4/6/8/10/12Port



M12 Plug Dimensions



M23 Interface Cable Straight

M23 Interface Cable Angle

Junction Box Type



WithCable



PCB PortWiring



M23 PlugConnection

M8 NarrowType
4Port
-WithCable
-SingleChannel/DoubleChannel
-LED
-PUR/PVC



For the outline and mounting hole dimensions, please refer to section 6.1.3

4Port/ SingleChannel			4Port/DoubleChannel	
Type	Jacket	PartNumber	PartNumber	
PNP	PVC	M8-4P-1CN-PNP-5.0PVC/GY	M8-4P-2CN-PNP-5.0PVC/GY	
	PUR	M8-4P-1CN-PNP-5.0PUR/GY	M8-4P-2CN-PNP-5.0PUR/GY	
NPN	PVC	M8-4P-1CN-NPN-5.0PVC/GY	M8-4P-2CN-NPN-5.0PVC/GY	
	PUR	M8-4P-1CN-NPN-5.0PUR/GY	M8-4P-2CN-NPN-5.0PUR/GY	
NON	PVC	M8-4P-1CN-NON-5.0NON/GY	M8-4P-2CN-NON-5.0NON/GY	
	PUR	M8-4P-1CN-NON-5.0NON/GY	M8-4P-2CN-NON-5.0NON/GY	
Pin Definition:				
SingleChannel:				
Pin 1: (+)				
Pin 3: (-)				
Pin 4: (S1)				
DoubleChannel:				
Pin 1: (+)				
Pin 2: (S2)				
Pin 3: (-)				
Pin 4: (S1)				
LED:				
SingleChannel:				
Power (GN)				
Signal S1 (YE)				
DoubleChannel:				
Power (GN)				
Signal S1 (YE)				
Signal S2 (WH)				
No components:				
Power (none)				
Signal S1 (none)				
Signal S2 (none)				
M8 Female				
JacketColor				
PVC				
PUR				

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply Ue	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	2 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M8 NarrowType
6Port
-WithCable
-SingleChannel/DoubleChannel
-LED
-PUR/PVC



For the outline and mounting hole dimensions, please refer to section 6.1.3

6Port/ SingleChannel

6Port/DoubleChannel

Type	Jacket	PartNumber	PartNumber
PNP	PVC	M8-6P-1CN-PNP-5.0PVC/GY	M8-6P-2CN-PNP-5.0PVC/GY
	PUR	M8-6P-1CN-PNP-5.0PUR/GY	M8-6P-2CN-PNP-5.0PUR/GY
NPN	PVC	M8-6P-1CN-NPN-5.0PVC/GY	M8-6P-2CN-NPN-5.0PVC/GY
	PUR	M8-6P-1CN-NPN-5.0PUR/GY	M8-6P-2CN-NPN-5.0PUR/GY
NON	PVC	M8-6P-1CN-NON-5.0PVC/GY	M8-6P-2CN-NON-5.0PVC/GY
	PUR	M8-6P-1CN-NON-5.0PUR/GY	M8-6P-2CN-NON-5.0PUR/GY
Pin Definition			
SingleChannel:			
DoubleChannel:			
LED:			
SingleChannel:			
DoubleChannel:			
No components:			
M8Female			
JacketColor		Gray	
PVC		PVC / 8*0.25mm2	
PUR		PUR / 8*0.25mm2	

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	2 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M8 NarrowType

8Port

-WithCable

-SingleChannel/DoubleChannel

-LED

-PUR/PVC



For the outline and mounting hole dimensions, please refer to section 6.1.3

8Port / SingleChannel			8Port / DoubleChannel		
Type	Jacket	PartNumber		PartNumber	
PNP	PVC	M8-8P-1CN-PNP-5.0PVC/GY		M8-8P-2CN-PNP-5.0PVC/GY	
	PUR	M8-8P-1CN-PNP-5.0PUR/GY		M8-8P-2CN-PNP-5.0PUR/GY	
NPN	PVC	M8-8P-1CN-NPN-5.0PVC/GY		M8-8P-2CN-NPN-5.0PVC/GY	
	PUR	M8-8P-1CN-NPN-5.0PUR/GY		M8-8P-2CN-NPN-5.0PUR/GY	
NON	PVC	M8-8P-1CN-NON-5.0PVC/GY		M8-8P-2CN-NON-5.0PVC/GY	
	PUR	M8-8P-1CN-NON-5.0PUR/GY		M8-8P-2CN-NON-5.0PUR/GY	
Pin Defination:					
SingleChannel:					
Pin 1: (+)					
Pin 3: (-)					
Pin 4: (S1)					
DoubleChannel:					
Pin 1: (+)					
Pin 2: (S2)					
Pin 3: (-)					
Pin 4: (S1)					
LED:					
SingleChannel:					
Power (GN)					
Signal S1 (YE)					
DoubleChannel:					
Power (GN)					
Signal S1(YE)					
Signal S2 (WH)					
No components:					
Power (none)					
Signal S1 (none)					
Signal S2 (none)					
M8Female					
JacketColor					
PVC					
PUR					

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	2 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M8 NarrowType
10Port
-WithCable
-SingleChannel
-LED
-PUR/PVC



For the outline and mounting hole dimensions, please refer to section 6.1.3

10Port / SingleChannel

Type	Jacket	PartNumber
PNP	PVC	M8-10P-1CN-PNP-5.0PVC/GY
	PUR	M8-10P-1CN-PNP-5.0PUR/GY
NPN	PVC	M8-10P-1CN-NPN-5.0PVC/GY
	PUR	M8-10P-1CN-NPN-5.0PUR/GY
NON	PVC	M8-10P-1CN-NON-5.0PVC/GY
	PUR	M8-10P-1CN-NON-5.0PUR/GY
Pin Definition:		
SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1)	NPN	
LED:		
SingleChannel: Power (GN) Signal S1 (YE)	PNP	
No components: Power (none) Signal S1 (none)	None	
M8Female		
JacketColor	Gray	
PVC	PVC / 12*0.25mm2	
PUR	PUR / 12*0.25mm2	

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

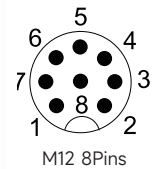
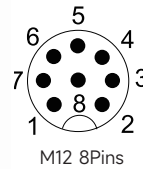
Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	2 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M8 NarrowType

4 / 6Port

- M12 PlugConnection
- SingleChannel
- LED



For the outline and mounting hole dimensions, please refer to section 6.1.3

Type	4Port/ SingleChannel PartNumber	6Port/ SingleChannel PartNumber
PNP	M8-4P-1CN-PNP-M12	M8-6P-1CN-PNP-M12
NPN	M8-4P-1CN-NPN-M12	M8-6P-1CN-NPN-M12
NON	M8-4P-1CN-NON-M12	M8-6P-1CN-NON-M12
Pin Defination:		
SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1)		
DoubleChannel: Pin 1: (+) Pin 2: (S2) Pin 3: (-) Pin 4: (S1)		
LED:		
SingleChannel: Power (GN) Signal S1 (YE)		
No components: Power (none) Signal S1 (none)		
M8 Female		

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	2 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

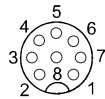
Industrial Sensor/Actuator Junction Box

Site Connection
M12 Female
4/6Port



8Pins

Female



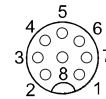
1	白 WH
2	棕 BN
3	绿 GN
4	黄 YE
5	灰 GY
6	粉 PK
7	蓝 BU
8	红 RD

Straight A-Code Female 8Pins

Part Number

8Pins

Female



1	白 WH
2	棕 BN
3	绿 GN
4	黄 YE
5	灰 GY
6	粉 PK
7	蓝 BU
8	红 RD

Angle A-Code Female 8Pins

PartNumber

	M12-F08S-PG9		M12-F08A-PG9
--	--------------	--	--------------

Matching Cable



CableType	PartNumber	Standards	ApplyCableModel
PVC Fixed	PVC-6C-3.0 GY	6*0.25mm ²	M8-4P-...-M12
PUR Towline	PUR-6C-3.0 GY	6*0.25mm ²	
PVC Fixed	PVC-8C-3.0 GY	8*0.25mm ²	M8-6P-...-M12
PUR Towline	PUR-8C-3.0 GY	8*0.25mm ²	

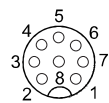
Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Single Pre-Molding
M12 Female
4/6Port



8Pins

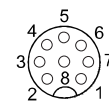
Female



1	白 WH
2	棕 BN
3	绿 GN
4	黄 YE
5	灰 GY
6	粉 PK
7	蓝 BU
8	红 RD

8Pins

Female



1	白 WH
2	棕 BN
3	绿 GN
4	黄 YE
5	灰 GY
6	粉 PK
7	蓝 BU
8	红 RD

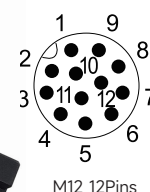
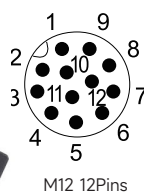
Port	Material	Color	PartNumber	PartNumber
4Port	PVC	Gray	M12-F08S-6P-2.0PVC/GY	M12-F08A-6P-2.0PVC/GY
	PUR	Gray	M12-F08S-6P-2.0PUR/GY	M12-F08A-6P-2.0PUR/GY
6Port	PVC	Gray	M12-F08S-8P-2.0PVC/GY	M12-F08A-8P-2.0PVC/GY
	PUR	Gray	M12-F08S-8P-2.0PUR/GY	M12-F08A-8P-2.0PUR/GY

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

M8 NarrowType

8 / 10Port

- M12 PlugConnection
- SingleChannel
- LED



For the outline and mounting hole dimensions, please refer to section 6.1.3

Type	8Port/ SingleChannel PartNumber	10Port/ SingleChannel PartNumber
PNP	M8-8P-1CN-PNP-M12	M8-10P-1CN-PNP-M12
NPN	M8-8P-1CN-NPN-M12	M8-10P-1CN-NPN-M12
NON	M8-8P-1CN-NON-M12	M8-10P-1CN-NON-M12
Pin Defination: SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1) DoubleChannel: Pin 1: (+) Pin 2: (S2) Pin 3: (-) Pin 4: (S1) LED: SingleChannel: Power (GN) Signal S1 (YE)		
No components: Power (none) Signal S1 (none)		
M8 Female		

Technical Parameter:

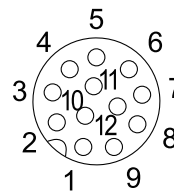
Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	2 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

Single Pre-Molding
M12 Female
4/6Port



12Pins

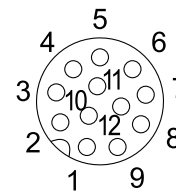
Female



1	>	BN
2	>	BU
3	>	WH
4	>	GN
5	>	PK
6	>	YE
7	>	BK
8	>	GY
9	>	RD
10	>	VT
11	>	GY/PK (BN/GN)
12	>	RD/BU (WH/GN)

12Pins

Female



1	>	BN
2	>	BU
3	>	WH
4	>	GN
5	>	PK
6	>	YE
7	>	BK
8	>	GY
9	>	RD
10	>	VT
11	>	GY/PK (BN/GN)
12	>	RD/BU (WH/GN)

Port	Material	Color	PartNumber	PartNumber
8Port	PVC	Gray	M12-F12S-8P-3.0PVC/GY	M12-F12A-8P-3.0PVC/GY
	PUR	Gray	M12-F12S-8P-3.0PUR/GY	M12-F12A-8P-3.0PUR/GY
10Port	PVC	Gray	M12-F12S-10P-3.0PVC/GY	M12-F12A-10P-3.0PVC/GY
	PUR	Gray	M12-F12S-10P-3.0PUR/GY	M12-F12A-10P-3.0PUR/GY

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

M8 Junction Box M12 PlugConnection

4Port



6Port



8Port



10Port



- M8 WideType
- 8 / 12 Port
- WithCable
- SingleChannel
- LED
- PUR/PVC



For the outline and mounting hole dimensions, please refer to section 6.1.3

		8Port / SingleChannel	12Port / SingleChannel
Type	Jacket	PartNumber	PartNumber
PNP	PVC	M8-8P-1CW-PNP-5.0PVC/GY	M8-12P-1CW-PNP-5.0PVC/GY
	PUR	M8-8P-1CW-PNP-5.0PUR/GY	M8-12P-1CW-PNP-5.0PVC/GY
NPN	PVC	M8-8P-1CW-NPN-5.0PVC/GY	M8-12P-1CW-NPN-5.0PVC/GY
	PUR	M8-8P-1CW-NPN-5.0PUR/GY	M8-12P-1CW-NPN-5.0PVC/GY
NON	PVC	M8-8P-1CW-NON-5.0PVC/GY	M8-12P-1CW-NON-5.0PVC/GY
	PUR	M8-8P-1CW-NON-5.0PUR/GY	M8-12P-1CW-NON-5.0PVC/GY
Pin Defination:			
SingleChannel:			
LED:			
SingleChannel:			
No components:			
Power (none)			
Signal S1 (none)			
M8Female			
JacketColor		Gray	Gray
PVC Fixed		PVC / 10*0.25mm ²	PVC / 14*0.25mm ²
PUR Towline		PUR / 10*0.25mm ²	PUR / 14*0.25mm ²

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	2 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M8 WideType
16 Port
- WithCable
- SingleChannel
- LE
- PUR/PV



For the outline and mounting hole dimensions,
please refer to section 6.1.3

16Port / SingleChannel

Type	Jacket	PartNumber
PNP	PVC	M8-16P-1CW-PNP-5.0PVC/GY
	PUR	M8-16P-1CW-PNP-5.0PUR/GY
NPN	PVC	M8-16P-1CW-NPN-5.0PVC/GY
	PUR	M8-16P-1CW-NPN-5.0PUR/GY
NON	PVC	M8-16P-1CW-NON-5.0PVC/GY
	PUR	M8-16P-1CW-NON-5.0PUR/GY
Pin Defination: SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1) LED: SingleChannel: Power (GN) Signal S1 (YE) No components: Power (none) Signal S1 (none)		
NPN		
PNP		
None		
M8 Female		
JacketColor	Gray	
PVC Fixed	PVC / 18*0.2mm ²	
PUR Towline	PUR / 18*0.2mm ²	

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

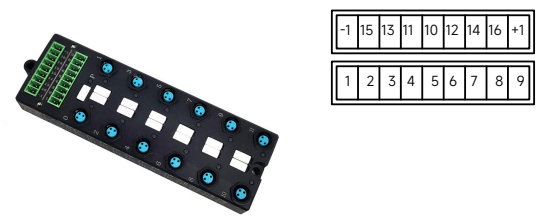
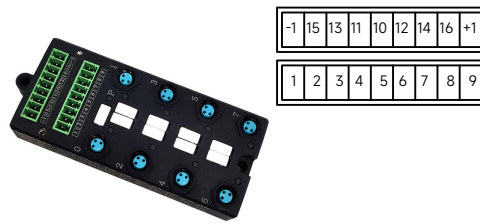
Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	2 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M8 WideType
8Port / 12Port
- PCB PortWiring
- SingleChannel
- LED

8Port/ SingleChannel

12Port/ SingleChannel



PNP	M8-8P-1CW-PNP-PW	M8-12P-1CW-PNP-PW
NPN	M8-8P-1CW-NPN-PW	M8-12P-1CW-NPN-PW
NON	M8-8P-1CW-NON-PW	M8-12P-1CW-NON-PW



PNP	M8-8P-1CW-PNP-TB	M8-12P-1CW-PNP-TB
NPN	M8-8P-1CW-NPN-TB	M8-12P-1CW-NPN-TB
NON	M8-8P-1CW-NON-TB	M8-12P-1CW-NON-TB

Pin Defination:

SingleChannel:

Pin 1: (+)

Pin 3: (-)

Pin 4: (S1)

NPN

LED:

SingleChannel:

Power (GN)

Signal S1 (YE)

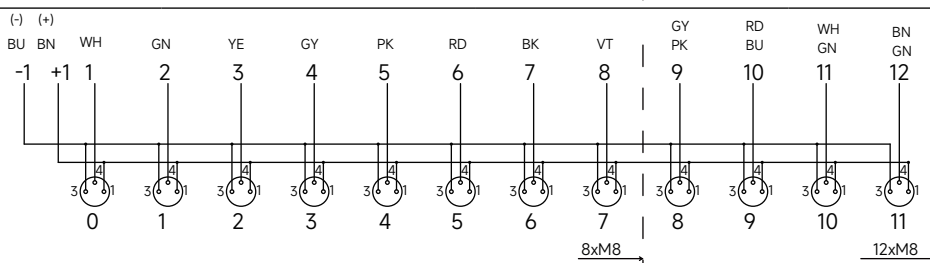
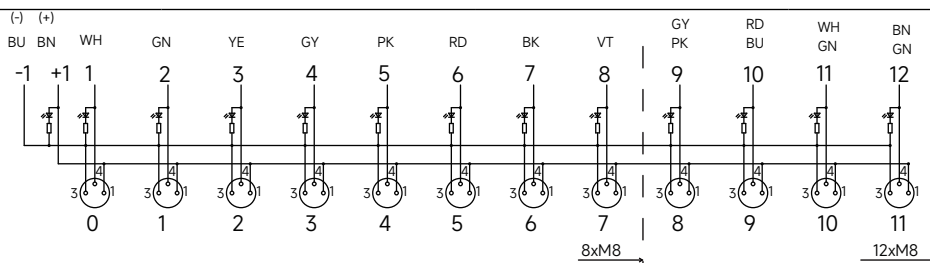
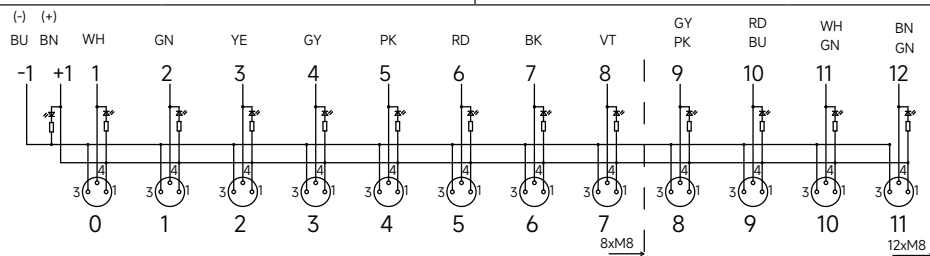
PNP

No components:

Power (none)

Signal S1 (none)

None



M8Female		
----------	--	--

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	2 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M8 WideType
16Port
- PCB PortWiring
- SingleChannel
- LED



For the outline and mounting hole dimensions, please refer to section 6.1.3

PW:PCB PortWiring (NO terminal box)

PW:PCB PortWiring (terminal box)

16Port / SingleChannel

16Port / SingleChannel

PartNumber

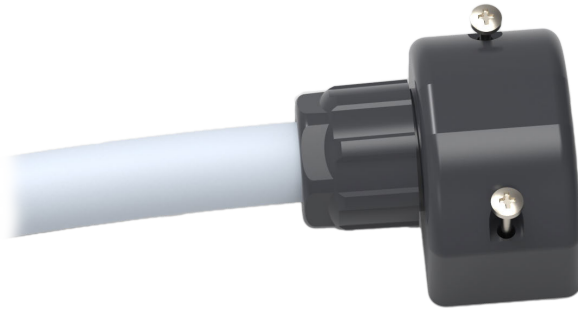
PartNumber

PNP	M8-16P-1CW-PNP-PW	M8-16P-1CW-PNP-TB
NPN	M8-16P-1CW-NPN-PW	M8-16P-1CW-NPN-TB
NON	M8-16P-1CW-NON-PW	M8-16P-1CW-NON-TB
Pin Defination: SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1)		
LED: SingleChannel: Power (GN) Signal S1 (YE)		
No components: Power (none) Signal S1 (none)		
M8Female		

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	2 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M8 Junction Box
terminal box
(8/12/16Port)



WH	WH	WH	RD	BN	YE	GY		
BU	GY	YE	GN	BU	GN	BN	BN	BN
-1	15	13	11	10	12	14	16	+1
1	2	3	4	5	6	7	8	9
WH	GN	YE	GY	PK	RD	BK	VT	GY
								PK

	Color	M8 Junction Box 8Port terminal box (WithCable)	M8 Junction Box 12Port terminal box (WithCable)	M8 Junction Box 16Port terminal box (WithCable)
PVC	GY	M8-8P-TB-5.0PVC/GY	M8-12P-TB-5.0PVC/GY	M8-16P-TB-5.0PVC/GY
PUR	GY	M8-8P-TB-5.0PUR/GY	M8-12P-TB-5.0PUR/GY	M8-16P-TB-5.0PUR/GY

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

M8 Junction Box
terminal box
(NO Cable)



PartNumber	Fits for M8 Junction Box
M8-PCB-CV	All M8 JunctionBox

Matching Cable

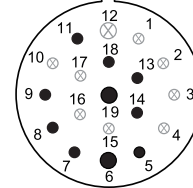


CableType	PartNumber	Standards	ApplyCableModel
PVC Fixed	PVC-10C-3.0 GY	10*0.2mm2	M8-8P-TB
PUR Towline	PUR-10C-3.0 GY	10*0.2mm2	
PVC Fixed	PVC-14C-3.0 GY	14*0.2mm2	M8-12P-TB
PUR Towline	PUR-14C-3.0 GY	14*0.2mm2	
PVC Fixed	PVC-18C-3.0 GY	18*0.2mm2	M8-16P-TB
PUR Towline	PUR-18C-3.0 GY	18*0.2mm2	

M8 WideType
8 Port
M23 PlugConnection
SingleChannel
LED



M23 Male
10Pins



8Port / SingleChannel

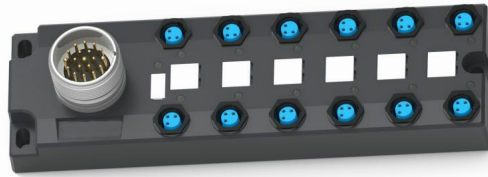
Type	PartNumber
PNP	M8-8P-1CW-PNP-M23
NPN	M8-8P-1CW-PNP-M23
NON	M8-8P-1CW-NON-M23
Pin Defination: SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1)	NPN
LED: SingleChannel: Power (GN) Signal S1 (YE)	PNP
No components: Power (none) Signal S1 (none)	None
M8Female	

Single Pre-Molding
M23 Female
SingleChannel
19-10Pins
8Port

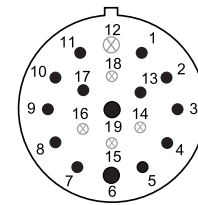


PartNumber	PartNumber
PVC Gray M23-F19S-10P-1C-3.0PVC/GY	M23-F19A-10P-1C-3.0PVC/GY
PUR Gray M23-F19S-10P-1C-3.0PUR/GY	M23-F19A-10P-1C-3.0PUR/GY
5 3 GN 6 3 BU 7 3 WH 8 3 YE 9 3 PK 11 3 BK 13 3 RD 14 3 GY 18 3 VT 19 3 BN	M23 Female 19-10 Pins 8Port SingleChannel

M8 WideType
12 Port
M23 PlugConnection
SingleChannel
LED



M23 Male
14Pins



12Port / SingleChannel

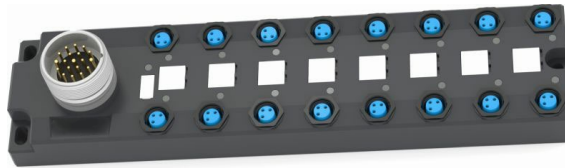
Type	PartNumber
NPN	M8-12P-1CW-PNP-M23
PNP	M8-12P-1CW-NPN-M23
NON	M8-12P-1CW-NON-M23
Pin Defination: SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1)	
LED: SingleChannel: Power (GN) Signal S1 (YE)	
No components: Power (none) Signal S1 (none)	
M8Female	

Single Pre-Molding
M23 Female
SingleChannel
19-14Pins
12Port

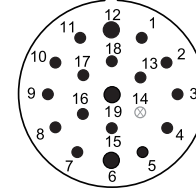


	PartNumber	PartNumber
PVC	M23-F19S-14P-1C-3.0PVC/GY	M23-F19A-14P-1C-3.0PVC/GY
PUR	M23-F19S-14P-1C-3.0PUR/GY	M23-F19A-14P-1C-3.0PUR/GY
		M23 Female 19-14 Pins 12Port SingleChannel

M8 WideType
16 Port
- M23 PlugConnection
- SingleChannel
- LED



M23 Male
18Pins



16Port / SingleChannel

Type	PartNumber
NPN	M8-16P-1CW-PNP-M23
PNP	M8-16P-1CW-NPN-M23
NON	M8-16P-1CW-NON-M23
Pin Defination: SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1)	
LED: SingleChannel: Power (GN) Signal S1 (YE)	
No components: Power (none) Signal S1 (none)	
M8Female	

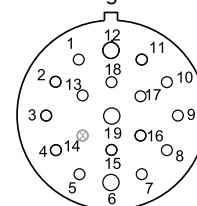
Single Pre-Molding
M23 Female
SingleChannel
19-18Pins
16Port



	PartNumber	PartNumber
PVC Gray	M23-F19S-18P-1C-3.0PVC/GY	M23-F19A-18P-1C-3.0PVC/GY
PUR Gray	M23-F19S-18P-1C-3.0PUR/GY	M23-F19A-18P-1C-3.0PUP/GY

1 >	PK
2 >	GN
3 >	GY
4 >	RD
5 >	VT
6 >	RD/BU
7 >	BN/GN
8 >	WH/GN
9 >	GY/PK
10 >	BK
12 >	BU
13 >	BN
15 >	YE
16 >	WH
>	WH/YE
>	YE/BN
>	WH/GY
>	GY/BN

M23 Female
19-18 Pins
6Port SingleChannel



M12 Junction Box
4Port
-WithCable
-SingleChannel/DoubleChannel
-LED
-PUR/PVC



For the outline and mounting hole dimensions, please refer to section 6.1.4

4Port/ SingleChannel

4Port/DoubleChannel

Type	Jacket	PartNumber	PartNumber
PNP	PVC	M12-4P-1CW-PNP-5.0PVC/GY	M12-4P-2CW-PNP-5.0PVC/GY
	PUR	M12-4P-1CW-PNP-5.0PUR/GY	M12-4P-2CW-PNP-5.0PUR/GY
NPN	PVC	M12-4P-1CW-NPN-5.0PVC/GY	M12-4P-2CW-NPN-5.0PVC/GY
	PUR	M12-4P-1CW-NPN-5.0PUR/GY	M12-4P-2CW-NPN-5.0PUR/GY
NON	PVC	M12-4P-1CW-NON-5.0PVC/GY	M12-4P-2CW-NON-5.0PVC/GY
	PUR	M12-4P-1CW-NON-5.0PUR/GY	M12-4P-2CW-NON-5.0PUR/GY
Pin Defination:			
SingleChannel:			
Pin 1: (+)			
Pin 3: (-)			
Pin 4: (S1)			
Pin 5: (PE)			
DoubleChannel:			
Pin 1: (+)			
Pin 2: (S2)			
Pin 3: (-)			
Pin 4: (S1)			
Pin 5: (PE)			
LED:			
SingleChannel:			
Power (GN)			
Signal S1 (YE)			
DoubleChannel:			
Power (GN)			
Signal S1 (YE)			
Signal S2 (WH)			
No components:			
Power (none)			
Signal S1 (none)			
Signal S2 (none)			
M12Female			
JacketColor		Gray	Gray
PVC		3*0.5+4*0.34mm ²	3*0.75+8*0.34mm ²
PUR		3*0.5+4*0.34mm ²	3*0.75+8*0.34mm ²

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
6Port
-WithCable
-SingleChannel/DoubleChannel
-LED
-PUR/PVC



For the outline and mounting hole dimension
please refer to section 6.1.4

6Port/ SingleChannel

6Port/DoubleChannel

Type	Jacket	PartNumber	PartNumber
PNP	PVC	M12-6P-1CW-PNP-5.0PVC/GY	M12-6P-2CW-PNP-5.0PVC/GY
	PUR	M12-6P-1CW-PNP-5.0PUR/GY	M12-6P-2CW-PNP-5.0PUR/GY
NPN	PVC	M12-6P-1CW-NPN-5.0PVC/GY	M12-6P-2CW-NPN-5.0PVC/GY
	PUR	M12-6P-1CW-NPN-5.0PUR/GY	M12-6P-2CW-NPN-5.0PUR/GY
NON	PVC	M12-6P-1CW-NON-5.0PVC/GY	M12-6P-2CW-NON-5.0PVC/GY
	PUR	M12-6P-1CW-NON-5.0PUR/GY	M12-6P-2CW-NON-5.0PUR/GY
Pin Defination:		SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1) Pin 5: (PE) DoubleChannel: Pin 1: (+) Pin 2: (S2) Pin 3: (-) Pin 4: (S1) Pin 5: (PE) LED: SingleChannel: Power (GN) Signal S1 (YE) DoubleChannel: Power (GN) Signal S1(YE) Signal S2 (WH) No components: Power (none) Signal S1 (none) Signal S2 (none)	
		GN (-) (+) YE BU BN WH GN YE GY PK RD NPN 1 2 3 4 5 6	GN (-) (+) YE BU BN BK WH VT GN PK YE RD BU GY GN PK BN GN RD NPN 1 2 3 4 5 6
		GN (-) (+) YE BU BN WH GN YE GY PK RD PNP 1 2 3 4 5 6	GN (-) (+) YE BU BN BK WH VT GN PK YE RD BU GY GN PK BN GN RD PNP 1 2 3 4 5 6
		GN (-) (+) YE BU BN WH GN YE GY PK RD None 1 2 3 4 5 6	GN (-) (+) YE BU BN BK WH VT GN PK YE RD BU GY GN PK BN GN RD None 1 2 3 4 5 6
M12Female			
JacketColor		Gray	Gray
PVC		3*0.5+6*0.3mm 2	3*0.75+12*0.3mm 2
PUR		3*0.5+6*0.3mm 2	3*0.75+12*0.3mm 2

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
8Port
-WithCable
-SingleChannel/DoubleChannel
-LED
-PUR/PVC



For the outline and mounting hole dimension please refer to section 6.1.4

		8Port/ SingleChannel	8Port/DoubleChannel
Type	Jacket	PartNumber	PartNumber
PNP	PVC	M12-8P-1CW-PNP-5.0PVC/GY	M12-8P-2CW-PNP-5.0PVC/GY
	PUR	M12-8P-1CW-PNP-5.0PUR/GY	M12-8P-2CW-PNP-5.0PUR/GY
NPN	PVC	M12-8P-1CW-NPN-5.0PVC/GY	M12-8P-2CW-NPN-5.0PVC/GY
	PUR	M12-8P-1CW-NPN-5.0PUR/GY	M12-8P-2CW-NPN-5.0PUR/GY
NON	PVC	M12-8P-1CW-NON-5.0PVC/GY	M12-8P-2CW-NON-5.0PVC/GY
	PUR	M12-8P-1CW-NON-5.0PUR/GY	M12-8P-2CW-NON-5.0PUR/GY
Pin Defination:			
SingleChannel:			
Pin 1: (+)			
Pin 3: (-)			
Pin 4: (S1)			
Pin 5: (PE)			
DoubleChannel:			
Pin 1: (+)			
Pin 2: (S2)			
Pin 3: (-)			
Pin 4: (S1)			
Pin 5: (PE)			
LED:			
SingleChannel:			
Power (GN)			
Signal S1 (YE)			
DoubleChannel:			
Power (GN)			
Signal S1 (YE)			
Signal S2 (WH)			
No components:			
Power (none)			
Signal S1 (none)			
Signal S2 (none)			
M12Female			
JacketColor		Gray	Gray
PVC		3*0.75+8*0.34mm ²	3*0.75+16*0.34mm ²
PUR		3*0.75+8*0.34mm ²	3*0.75+16*0.34mm ²

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
10Port
-WithCable
-SingleChannel
-LED
-PUR/PVC



For the outline and mounting hole dimension
please refer to section 6.1.4

10Port/ SingleChannel

Type	Jacket	PartNumber
PNP	PVC	M12-10P-1CW-PNP-5.0PVC/GY
	PUR	M12-10P-1CW-PNP-5.0PUR/GY
NPN	PVC	M12-10P-1CW-NPN-5.0PVC/GY
	PUR	M12-10P-1CW-NPN-5.0PUR/GY
NON	PVC	M12-10P-1CW-NON-5.0PVC/GY
	PUR	M12-10P-1CW-NON-5.0PUR/GY
Pin Defination: SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1) Pin 5: (PE) LED: SingleChannel: Power (GN) Signal S1 (YE) No components: Power (none) Signal S1 (none)		
NPN		
PNP		
None		
M12Female		
JacketColor		Gray
PVC		3*0.75+10*0.34mm ²
PUR		3*0.75+10*0.34mm ²

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
10Port
-WithCable
-DoubleChannel
-LED
-PUR/PVC



For the outline and mounting hole dimension
please refer to section 6.1.4

10Port/DoubleChannel

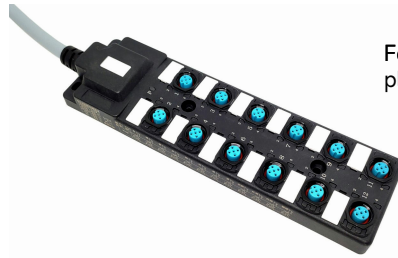
Type	Jacket	PartNumber
NPN	PVC	M12-10P-2CW-PNP-5.0PVC/GY
	PUR	M12-10P-2CW-PNP-5.0PUR/GY
PNP	PVC	M12-10P-2CW-PNP-5.0PVC/GY
	PUR	M12-10P-2CW-PNP-5.0PUR/GY
NON	PVC	M12-10P-2CW-PNP-5.0PVC/GY
	PUR	M12-10P-2CW-PNP-5.0PUR/GY
Pin Defination: DoubleChannel: Pin 1: (+) Pin 2: (S2) Pin 3: (-) Pin 4: (S1) Pin 5: (PE) LED: DoubleChannel: Power (GN) Signal S1(YE) Signal S2 (WH) No components: Power (none) Signal S1 (none) Signal S2 (none)		
NPN		
PNP		
None		
M12 Female		
JacketColor		Gray
PVC		3x0.5+20x0.3mm ²
PUR		3*0.5+20*0.3mm ²

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
12Port
-WithCable
-SingleChannel
-LED
-PUR/PVC



For the outline and mounting hole dimension
please refer to section 6.1.4

12Port/ SingleChannel

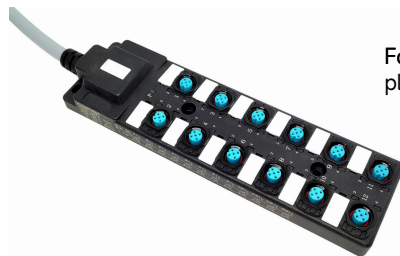
Type	Jacket	PartNumber
NPN	PVC	M12-12P-1CW-PNP-5.0PVC/GY
	PUR	M12-12P-1CW-PNP-5.0PUR/GY
PNP	PVC	M12-12P-1CW-NPN-5.0PVC/GY
	PUR	M12-12P-1CW-NPN-5.0PUR/GY
NON	PVC	M12-12P-1CW-NON-5.0PVC/GY
	PUR	M12-12P-1CW-NON-5.0PUR/GY
Pin Defination: SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1) Pin 5: (PE) LED: SingleChannel: Power (GN) Signal S1 (YE) No components: Power (none) Signal S1 (none)		
NPN		
PNP		
None		
M12Female		
JacketColor	Gray	
PVC	$3*0.75+12*0.34\text{mm}^2$	
PUR	$3*0.75+12*0.34\text{mm}^2$	

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
12Port
-WithCable
-DoubleChannel
-LED
-PUR/PVC



For the outline and mounting hole dimension
please refer to section 6.1.4

12Port/DoubleChannel

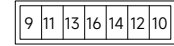
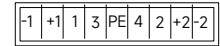
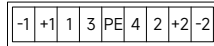
Type	Jacket	PartNumber
PNP	PVC	M12-12P-2CW-PNP-5.0PVC/GY
	PUR	M12-12P-2CW-PNP-5.0PUR/GY
NPN	PVC	M12-12P-2CW-NPN-5.0PVC/GY
	PUR	M12-12P-2CW-NPN-5.0PUR/GY
NON	PVC	M12-12P-2CW-NON-5.0PVC/GY
	PUR	M12-12P-2CW-NON-5.0PUR/GY
Pin Defination: DoubleCh annel: Pin 1: (+) Pin 2: (S2) Pin 3: (-) Pin 4: (S1) Pin 5: (PE) LED: DoubleChannel: Power (GN) Signal S1(YE) Signal S2 (WH) No components: Power (none) Signal S1 (none) Signal S2 (none)		
NPN		
PNP		
None		
M12 Female		
Color	Gray	
PVC	3x0.75+24x0.3mm ²	
PUR	3x0.75+24x0.3mm ²	

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
4Port
- PCB PortWiring
- SingleChannel/
- DoubleChannel
- LED



For the outline and mounting hole dimension please refer to section 6.1.4

Junction
Box

Type	4Port/ SingleChannel PartNumber	4Port/DoubleChannel PartNumber
PNP	M12-4P-1C-PNP-PW	M12-4P-2C-PNP-PW
NPN	M12-4P-1C-NPN-PW	M12-4P-2C-NPN-PW
NON	M12-4P-1C-NON-PW	M12-4P-2C-NON-PW
NPN	M12-4P-1C-PNP-TB	M12-4P-2C-PNP-TB
PNP	M12-4P-1C-NPN-TB	M12-4P-2C-NPN-TB
NON	M12-4P-1C-NON-TB	M12-4P-2C-NON-TB
Pin Defination:	SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1) Pin 5: (PE) DoubleChannel: Pin 1: (+) Pin 2: (S2) Pin 3: (-) Pin 4: (S1) Pin 5: (PE) LED: SingleChannel: Power (GN) Signal S1 (YE) DoubleChannel: Power (GN) Signal S1 (YE) Signal S2 (WH) No components: Power (none) Signal S1 (none) Signal S2 (none)	
	YE/GN BU BN WH GN YE GY PE -1 -2 +1 +2 1 2 3 4 1 2 3 4 NPN	YE/GN (-)BU (+)BN PK WH RD GN BK YE VT GY PE -1 -2 +1 +2 9 1 10 2 11 3 12 4 1 2 3 4
	YE/GN BU BN WH GN YE GY PE -1 -2 +1 +2 1 2 3 4 1 2 3 4 PNP	YE/GN (-)BU (+)BN PK WH RD GN BK YE VT GY PE -1 -2 +1 +2 9 1 10 2 11 3 12 4 1 2 3 4
	YE/GN BU BN WH GN YE GY PE -1 -2 +1 +2 1 2 3 4 1 2 3 4 None	YE/GN (-)BU (+)BN PK WH RD GN BK YE VT GY PE -1 -2 +1 +2 9 1 10 2 11 3 12 4 1 2 3 4
M12Female	3 4 5 1 2	3 4 5 1 2

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
6Port
- PCB PortWiring
- SingleChannel/
- DoubleChannel
- LED



-1 +1 1 3 PE 4 2 +2-2

5 7 15 8 6



-1 +1 1 3 PE 4 2 +2-2

9 11 13 16 14 12 10

5 7 15 8 6

For the outline and mounting hole dimension
please refer to section 6.1.4

6Port/ SingleChannel

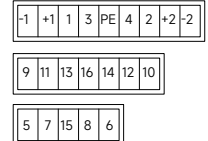
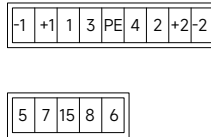
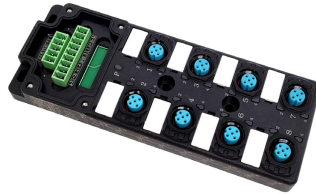
6Port/DoubleChannel

Type	PartNumber	PartNumber
PNP	M12-6P-1C-PNP-PW	M12-6P-2C-PNP-PW
NPN	M12-6P-1C-NPN-PW	M12-6P-2C-NPN-PW
NON	M12-6P-1C-PNP-PW	M12-6P-2C-NON-PW
NPN	M12-6P-1C-PNP-TB	M12-6P-2C-PNP-TB
PNP	M12-6P-1C-NPN-TB	M12-6P-2C-NPN-TB
NON	M12-6P-1C-NON-TB	M12-6P-2C-NON-TB
Pin Defination:	YE/GN BU BN WH GN YE GY PK RD PE-1 -2 +1 +2 1 2 3 4 5 6	YE/GN (-) BU (+) BN BK WH VT GN GY PK YE RD BU GY WH GN PK GY GN RD PE-1 -2 +1 +2 7 1 8 2 9 3 10 4 11 5 12 6
SingleChannel:		
Pin 1: (+)		
Pin 3: (-)		
Pin 4: (S1)		
Pin 5: (PE)		
DoubleChannel:		
Pin 1: (+)		
Pin 2: (S2)		
Pin 3: (-)		
Pin 4: (S1)		
Pin 5: (PE)		
LED:		
SingleChannel:		
Power (GN)		
Signal S1 (YE)		
DoubleChannel:		
Power (GN)		
Signal S1 (YE)		
Signal S2 (WH)		
No components:		
Power (none)		
Signal S1 (none)		
Signal S2 (none)		
M12Female		

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
8Port
- PCB PortWiring
- SingleChannel/
- DoubleChannel
- LED



For the outline and mounting hole dimension please refer to section 6.1.4

Junction
Box

8Port/ SingleChannel

8Port/DoubleChannel

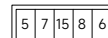
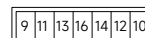
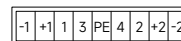
Type	PartNumber	PartNumber
PNP	M12-8P-1C-PNP-PW	M12-8P-2C-PNP-PW
NPN	M12-8P-1C-NPN-PW	M12-8P-2C-NPN-PW
NON	M12-8P-1C-NON-PW	M12-8P-2C-NON-PW
PNP	M12-8P-1C-PNP-TB	M12-8P-2C-PNP-TB
NPN	M12-8P-1C-NPN-TB	M12-8P-2C-NPN-TB
NON	M12-8P-1C-NON-TB	M12-8P-2C-NON-TB
Pin Defination:		
SingleChannel:		
DoubleChannel:		
LED:		
SingleChannel:		
DoubleChannel:		
No components:		
M12Female		

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

6.1.30

- PCB PortWiring
- SingleChannel
- LED



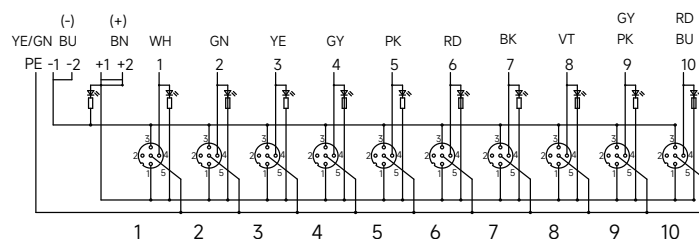
For the outline and mounting hole dimension please refer to section 6.1.4

Type	10Port/ SingleChannel PartNumber
PNP	M12-10P-1C-PNP-PW
NPN	M12-10P-1C-NPN-PW
NON	M12-10P-1C-NON-PW



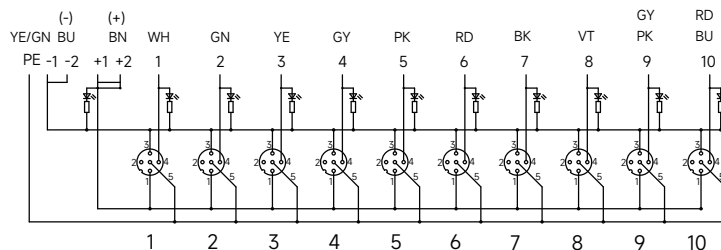
NPN	M12-10P-1C-PNP-TB
PNP	M12-10P-1C-NPN-TB
NON	M12-10P-1C-NON-TB

Pin 1: (+)
Pin 3: (-)
Pin 4: (S1)
Pin 5: (PE)



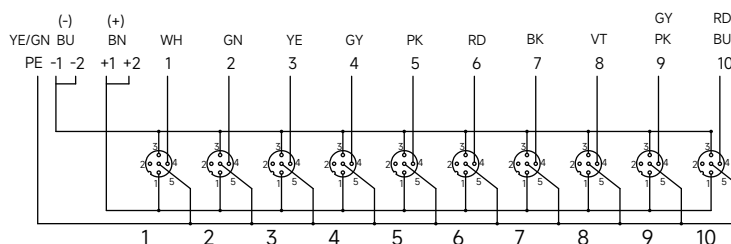
NPN

SingleChannel.
Power (GN)
Signal S1 (YE)



PNP

No components:
Power (none)
Signal S1 (none)



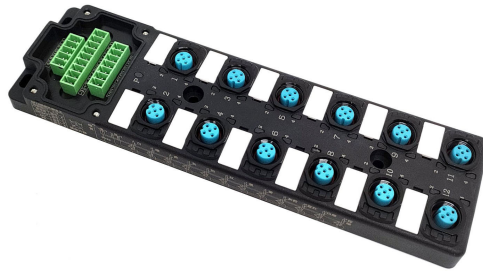
None

M12Female



Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
12Port
- PCB PortWiring
- SingleChannel
- LED



-1	+1	1	3	PE	4	2	+2	-2
----	----	---	---	----	---	---	----	----

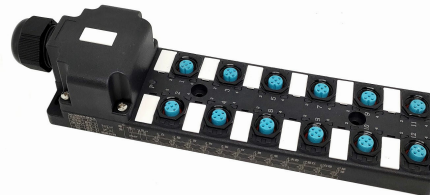
9	11	13	16	14	12	10
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5	7	15	8	6
---	---	----	---	---

For the outline and mounting hole dimension
please refer to section 6.1.4

Junction
Box

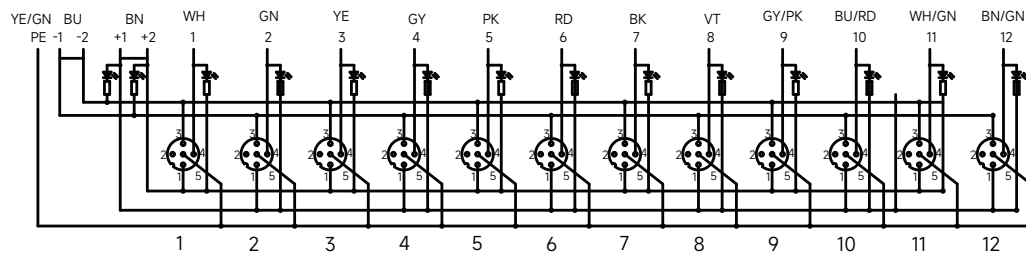
Type	PartNumber
PNP	M12-12P-1C-PNP-PW
NPN	M12-12P-1C-NPN-PW
NON	M12-12P-1C-NON-PW



NPN	M12-12P-1C-PNP-TB
PNP	M12-12P-1C-NPN-TB
NON	M12-12P-1C-NON-TB

Pin Defination:

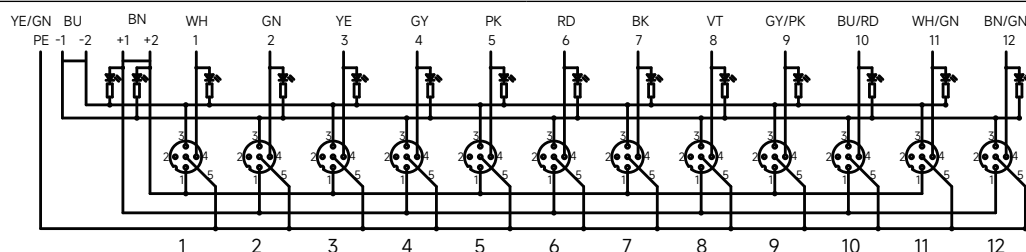
SingleChannel:
Pin 1: (+)
Pin 3: (-)
Pin 4: (S1)
Pin 5: (PE)



NPN

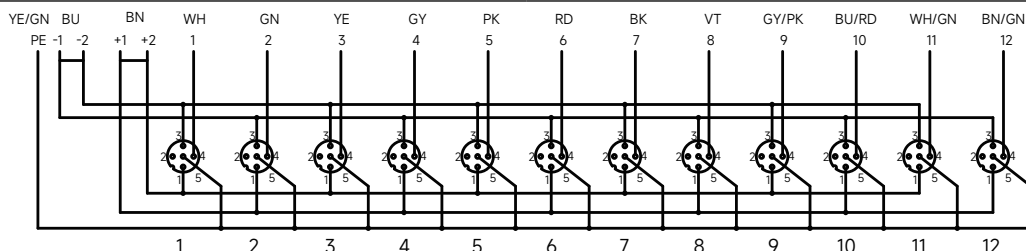
LED:

SingleChannel:
Power (GN)
Signal S1 (YE)



PNP

No components:
Power (none)
Signal S1 (none)



None

M12Female	
-----------	--

Technical Parameter:

Rated power supply (Ue)	24V DC/AC
Rated Voltage (Ub)	10...30 V DC
Load Current (A)	4 A
Current Capacity (A)	6 A
Power Light	Green LED
IP-Protection	IP67

M12 Junction Box
PCB terminal box
WithCable



-1	+1	1	3	PE	4	2	+2	-2
----	----	---	---	----	---	---	----	----

9	11	13	16	14	12	10
---	----	----	----	----	----	----

5	7	15	8	6
---	---	----	---	---

Ports	Jacket	Color	PartNumber	comment	
4Port	PVC	Gray	M12-4P-TB-5.0PVC/GY	cover with cable	
	PUR	Gray	M12-4P-TB-5.0PUR/GY	cover with cable	
6Port	PVC	Gray	M12-6P-TB-5.0PVC/GY	cover with cable	
	PUR	Gray	M12-6P-TB-5.0PUR/GY	cover with cable	
8Port	PVC	Gray	M12-8P-TB-5.0PVC/GY	cover with cable	
	PUR	Gray	M12-8P-TB-5.0PUR/GY	cover with cable	
10Port	PVC	Gray	M12-10P-TB-5.0PVC/GY	cover with cable	
	PUR	Gray	M12-10P-TB-5.0PVC/GY	cover with cable	
12Port	PVC	Gray	M12-12P-TB-5.0PVC/GY	cover with cable	
	PUR	Gray	M12-12P-TB-5.0PVC/GY	cover with cable	

Note: The standard cable length for the above part numbers is 5.0 meters.with the cable length increasing in increments of 0.5 meters.

M12 Junction Box
PCB terminal box
NoCable



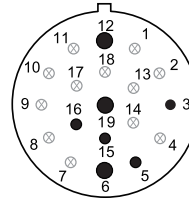
PartNumber	Fits for	comment
M12-PCB-9P	M12-4P-1C	cover no cable
M12-PCB-14P	M12-6P-1C/M12-8P-1C	cover no cable
M12-PCB-16P	M12-4P-2C	cover no cable
M12-PCB-19P	M12-6P-2C/M12-8P-2C/M12-10P-1C/M12-12P-1C	cover no cable

CableType	PartNumber	Standards	Fits For
PVC Fixed	PVC-7C1-3.0 GY	3*0.5+4*0.34mm2	M12-4P-1C
PUR Towline	PUR-7C1-3.0 GY	3*0.5+4*0.34mm2	
PVC Fixed	PVC-11C2-3.0 GY	3*0.75+8*0.34mm2	M12-4P-2C
PUR Towline	PUR-11C2-3.0 GY	3*0.75+8*0.34mm2	
PVC Fixed	PVC-9C1-3.0 GY	3*0.5+6*0.3mm2	M12-6P-1C
PUR Towline	PUR-9C1-3.0 GY	3*0.5+6*0.3mm2	
PVC Fixed	PVC-15C2-3.0 GY	3*0.75+12*0.34mm2	M12-6P-2C
PUR Towline	PUR-15C2-3.0 GY	3*0.75+12*0.34mm2	
PVC Fixed	PVC-11C1-3.0 GY	3*0.75+8*0.34mm2	M12-8P-1C
PUR Towline	PUR-11C1-3.0 GY	3*0.75+8*0.34mm2	
PVC Fixed	PVC-19C2-3.0 GY	3*0.75+16*0.34mm2	M12-8P-2C
PUR Towline	PUR-19C2-3.0 GY	3*0.75+16*0.34mm2	
PVC Fixed	PVC-13C1-3.0 GY	3*0.75+10*0.34mm2	M12-10P-1C
PUR Towline	PUR-13C1-3.0 GY	3*0.75+10*0.34mm2	
PVC Fixed	PVC-15C1-3.0 GY	3*0.75+12*0.34mm2	M12-12P-1C
PUR Towline	PUR-15C1-3.0 GY	3*0.75+12*0.34mm2	

M12 Junction Box
4 Port
- M23 PlugConnection
- SingleChannel
- LED



M23 Male
7Pins



For the outline and mounting hole dimension please refer to section 6.1.4

Junction
Box

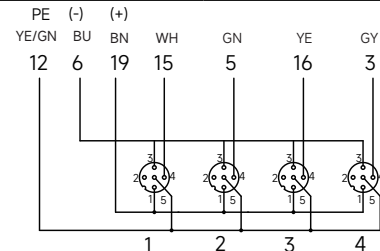
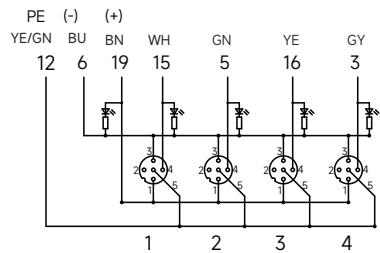
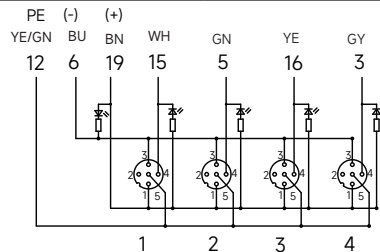
Type	PartNumber
NPN	M12-4P-1C-PNP-M23
PNP	M12-4P-1C-NPN-M23
NON	M12-4P-1C-NON-M23

Pin Defination:	
SingleChannel:	
Pin 1: (+)	
Pin 3: (-)	
Pin 4: (S1)	
Pin 5: (PE)	

LED:	
SingleChannel:	
Power (GN)	
Signal S1 (YE)	

No components:	
Power (none)	
Signal S1 (none)	

M12Female	
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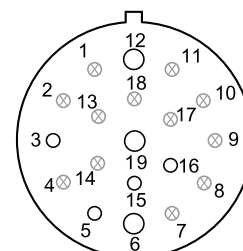
Single Pre-Molding
M23 Female
SingleChannel
19-7Pins
4Port



		PartNumber	PartNumber
PVC	Gray	M23-F19S-7P-1C-5.0PVC/GY	M23-F19A-7P-1C-5.0PVC/GY
PUR	Gray	M23-F19S-7P-1C-5.0PUR/GY	M23-F19A-7P-1C-5.0PUR/GY

15	白 WH
5	绿 GN
16	黄 YE
3	灰 GY
19	棕 BN 0.75mm ² /1.0mm ²
6	蓝 BU 0.75mm ² /1.0mm ²
12	绿 GN/ 黄 YE 0.75mm ² /1.0mm ²

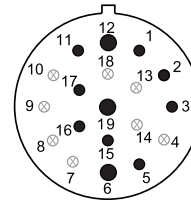
M23 Female
19-7 Pins
4Port SingleChannel



- M12 Junction Box
4 Port
- M23 PlugConnection
- DoubleChannel
- LED



M23 Male
11Pins



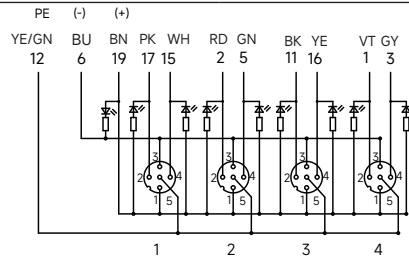
For the outline and mounting hole dimension please refer to section 6.1.4

Type	PartNumber
PNP	M12-4P-2C-PNP-M23
NPN	M12-4P-2C-NPN-M23
NON	M12-4P-2C-NON-M23

Pin Definition:

DoubleChannel:

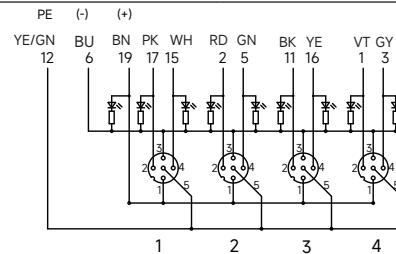
- Pin 1: (+)
Pin 2: (S2)
Pin 3: (-)
Pin 4: (S1)
Pin 5: (PE)



NPN

LED:

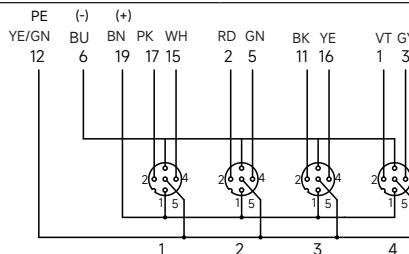
- DoubleChannel:
Power (GN)
Signal S1(YE)
Signal S2 (WH)



PNP

No components:

- Power (none)
Signal S1 (none)
Signal S2 (none)



None

M12Female



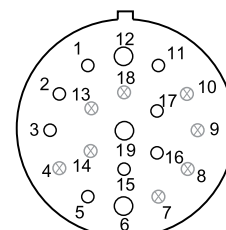
- Single Pre-Molding
M23 Female
DoubleChannel
19-11Pins
4Port



		PartNumber	PartNumber
PVC	Gray	M23-F19S-11P-2C-5.0PVC/GY	M23-F19A-11P-2C-5.0PVC/GY
PUR	Gray	M23-F19S-11P-2C-5.0PUR/GY	M23-F19A-11P-2C-5.0PUR/GY

15	白 WH
5	绿 GN
16	黄 YE
3	灰 GY
17	粉 PK
2	红 RD
11	黑 BK
1	紫 VT
19	棕 BN 0.75mm ² /1.0mm ²
6	蓝 BU 0.75mm ² /1.0mm ²
12	绿 GN/ 黄 YE 0.75mm ² /1.0mm ²

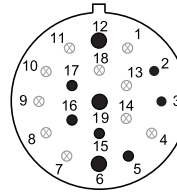
M23 Female
19-11 Pins
4Port DoubleChannel



M12 Junction Box
6 Port
- M23 PlugConnection
- SingleChannel
- LED



M23 Male
9Pins



For the outline and mounting hole dimension please refer to section 6.1.4

Junction
Box

Type	PartNumber
PNP	M12-6P-1C-PNP-M23
NPN	M12-6P-1C-NPN-M23
NON	M12-6P-1C-NON-M23

Pin Defination: SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1) Pin 5: (PE)	NPN
LED: SingleChannel: Power (GN) Signal S1 (YE)	PNP
No components: Power (none) Signal S1 (none)	None

M12Female

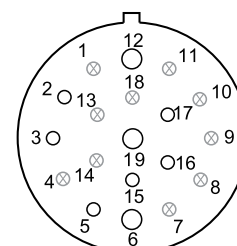
Single Pre-Molding
M23 Female
SingleChannel
19-9Pins
4Port



		PartNumber	PartNumber
PVC	Gray	M23-F19S-9P-1C-5.0PVC/GY	M23-F19A-9P-1C-5.0PVC/GY
PUR	Gray	M23-F19S-9P-1C-5.0PUR/GY	M23-F19A-9P-1C-5.0PUR/GY

12	YE/GN
6	BU
19	BN
15	WH
5	GN
16	YE
3	GY
17	PK
2	RD

M23 Female
19-9 Pins
6Port SingleChannel

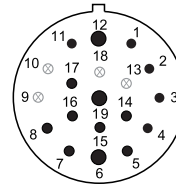


M12 Junction Box
6 Port
- M23 PlugConnection
- DoubleChannel
- LED



M23 Male

15Pins



For the outline and mounting hole dimension
please refer to section 6.1.4

Type	PartNumber
PNP	M12-6P-2C-PNP-M23
NPN	M12-6P-2C-NPN-M23
NON	M12-6P-2C-NON-M23

Pin Defination:

DoubleChannel:

Pin 1: (+)

Pin 2: (S2)

Pin 3: (-)

Pin 4: (S1)

Pin 5: (PE)

LED:

DoubleChannel:

Power (GN)

Signal S1(YE)

Signal S2 (WH)

No components:

Power (none)

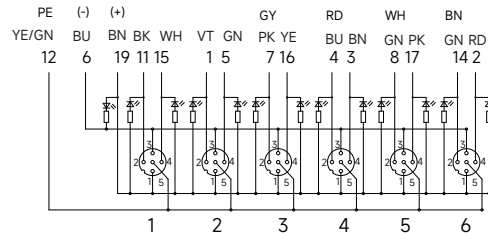
Signal S1 (none)

Signal S2 (none)

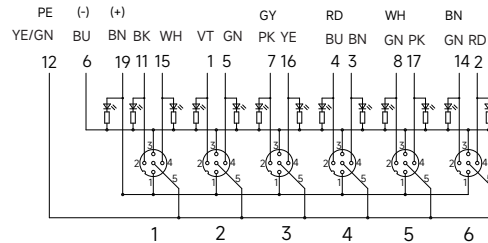
M12Female



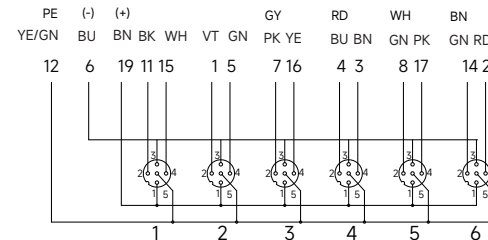
NPN



PNP



None



Single Pre-Molding

M23 Female

DoubleChannel

19-15Pins

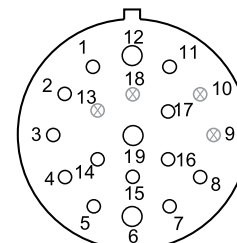
6Port



		PartNumber	PartNumber
PVC	Gray	M23-F19S-15P-2C-5.0PVC/GY	M23-F19A-15P-2C-5.0PVC/GY
PUR	Gray	M23-F19S-15P-2C-5.0PUR/GY	M23-F19A-15P-2C-5.0PUR/GY

12	YE/GN
6	BU
19	BN
11	BK
15	WH
1	VT
5	GN
7	GY/PK
16	YE
4	RD/BU
3	GY
8	WH/GN
17	PK
14	BN/GN
2	RD

M23 Female
19-15 Pins
6Port DoubleChannel

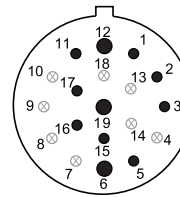


M12 Junction Box
8 Port
- M23 PlugConnection
- SingleChannel
- LED



M23 Male

11Pins



For the outline and mounting hole dimension please refer to section 6.1.4

Junction
Box

Type	PartNumber
PNP	M12-8P-1C-PNP-M23
NPN	M12-8P-1C-NPN-M23
NON	M12-8P-1C-NON-M23

Pin Defination: SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1) Pin 5: (PE)	
LED: SingleChannel: Power (GN) Signal S1 (YE)	
No components: Power (none) Signal S1 (none)	

M12Female 	None
---------------	------

Single Pre-Molding
M23 Female
SingleChannel
19-11Pins
8Port



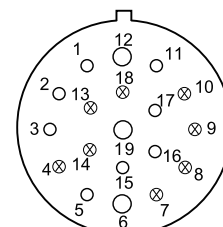
		PartNumber	PartNumber
PVC	Gray	M23-F19S-11P-1C-5.0PVC/GY	M23-F19A-11P-1C-5.0PVC/GY
PUR	Gray	M23-F19S-11P-1C-5.0PUR/GY	M23-F19A-11P-1C-5.0PUR/GY

15	白 WH
5	绿 GN
16	黄 YE
3	灰 GY
17	粉 PK
2	红 RD
11	黑 BK
1	紫 VT
19	棕 BN 0.75mm ² /1.0mm ²
6	蓝 BU 0.75mm ² /1.0mm ²
12	绿 GN/ 黄 YE 0.75mm ² /1.0mm ²

M23 Female

19-11 Pins

8Port SingleChannel

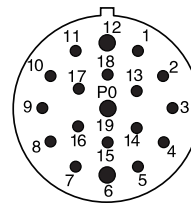


M12 Junction Box
8 Port
- M23 PlugConnection
- DoubleChannel
- LED



M23 Male

19Pins



For the outline and mounting hole dimension
please refer to section 6.1.4

Type	PartNumber
PNP	M12-8P-2C-PNP-M23
NPN	M12-8P-2C-NPN-M23
NON	M12-8P-2C-NON-M23

Pin Defination:

DoubleChannel:

Pin 1: (+)

Pin 2: (S2)

Pin 3: (-)

Pin 4: (S1)

Pin 5: (PE)

LED:

DoubleChannel:

Power (GN)

Signal S1(YE)

Signal S2 (WH)

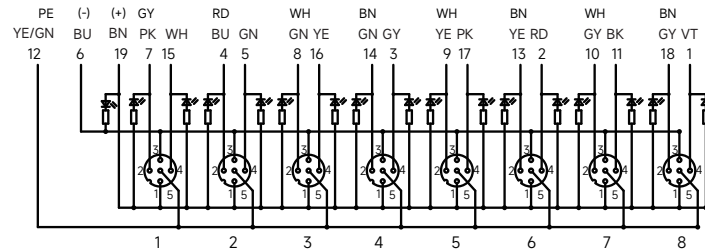
No components:

Power (none)

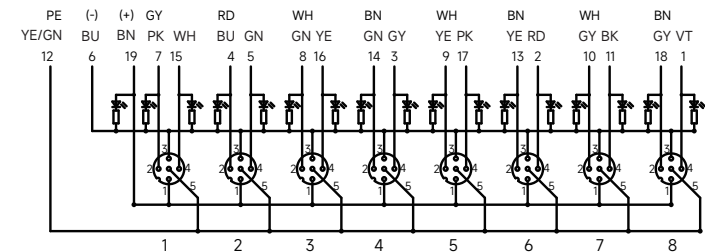
Signal S1 (none)

Signal S2 (none)

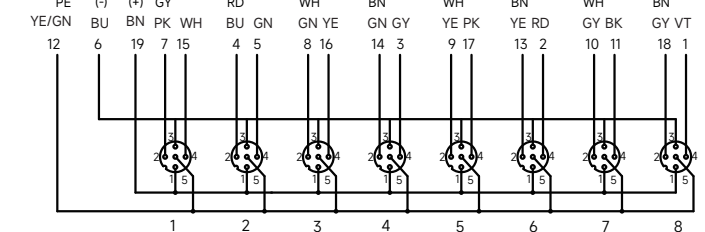
NPN



PNP



None



M12Female



Single Pre-Molding

M23 Female

DoubleChannel

19-19Pins

8Port



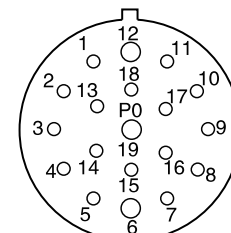
		PartNumber	PartNumber
PVC	Gray	M23-F19S-19P-2C-5.0PVC/GY	M23-F19A-19P-2C-5.0PVC/GY
PUR	Gray	M23-F19S-19P-2C-5.0PUR/GY	M23-F19A-19P-2C-5.0PUR/GY

15	WH
7	GY/PK
5	GN
4	RD/BU
16	YE
8	WH/GN
3	GY
14	BN/GN
17	PK
9	WH/YE
2	RD
13	YE/BN
11	BK
10	WH/GY
1	VT
18	GY/BN
19	BN 0.75mm ² /1.0mm ²
6	BU 0.75mm ² /1.0mm ²
12	GN/YE 0.75mm ² /1.0mm ²

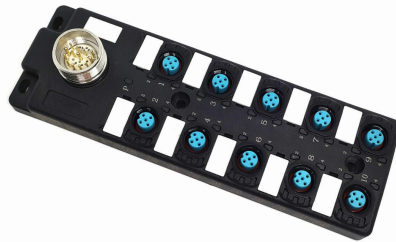
M23 Female

19-19 Pins

8PortDoubleChannel

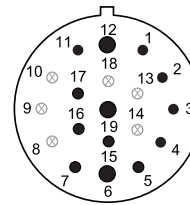


M12 Junction Box
10 Port
- M23 PlugConnection
- SingleChannel
- LED



M23 Male

13Pins



For the outline and mounting hole dimension please refer to section 6.1.4

Junction
Box

Type	PartNumber
PNP	M12-10P-1C-PNP-M23
NPN	M12-10P-1C-NPN-M23
NON	M12-10P-1C-NON-M23

Pin Defination:	SingleChannel: Pin 1: (+) Pin 3: (-) Pin 4: (S1) Pin 5: (PE)	
LED:	SingleChannel: Power (GN) Signal S1 (YE) No components: Power (none) Signal S1 (none)	
M12Female		

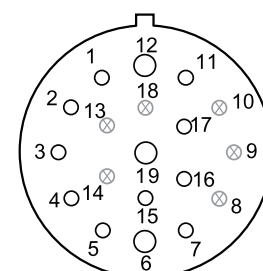
Single Pre-Molding
M23 Female
SingleChannel
19-13Pins
10Port



		PartNumber	PartNumber
PVC	Gray	M23-F19S-13P-1C-5.0PVC/GY	M23-F19A-13P-1C-5.0PVC/GY
PUR	Gray	M23-F19S-13P-1C-5.0PUR/GY	M23-F19A-13P-1C-5.0PUR/GY

12 >	GN/YE
6 >	BU
19 >	BN
15 >	WH
5 >	GN
16 >	YE
3 >	GY
17 >	PK
2 >	RD
11 >	BK
1 >	VT
7 >	GY/PK
4 >	RD/BU

M23 Female
19-13 Pins
10 Port SingleChannel



Industrial Sensor/Actuator Junction Box

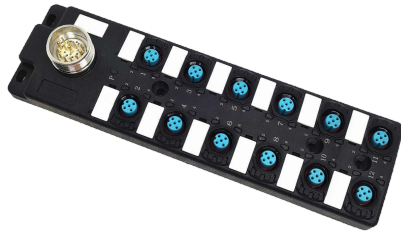
M12 Junction Box

12 Port

- M23 PlugConnection

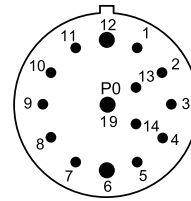
- SingleChannel

- LED



M23 Male

15Pins



For the outline and mounting hole dimension please refer to section 6.1.4

Type	PartNumber
PNP	M12-12P-1C-PNP-M23
NPN	M12-12P-1C-NPN-M23
NON	M12-12P-1C-NON-M23

Pin Defination:

DoubleCh annel:

Pin 1: (+)

Pin 2: (S2)

Pin 3: (-)

Pin 4: (S1)

Pin 5: (PE)

LED:

DoubleChannel:

Power (GN)

Signal S1(YE)

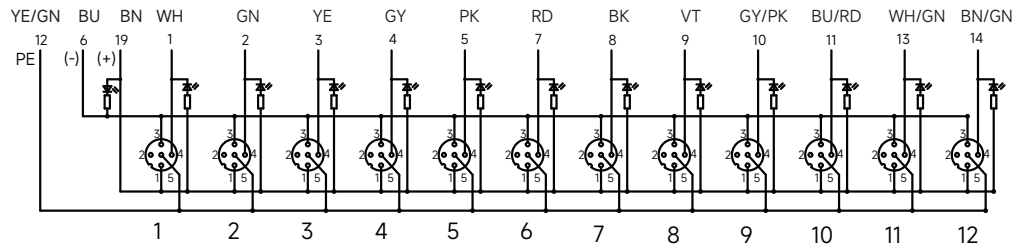
Signal S2 (WH)

No components:

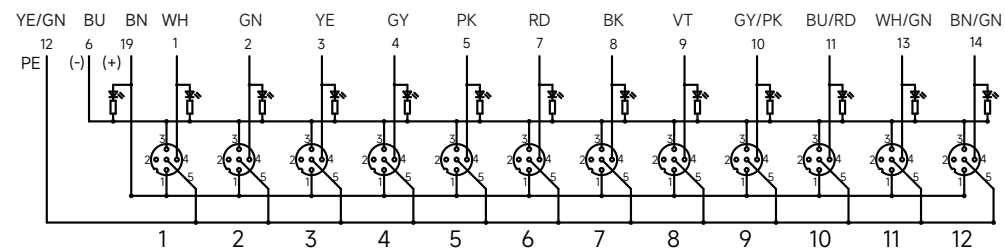
Power (none)

Signal S1 (none)

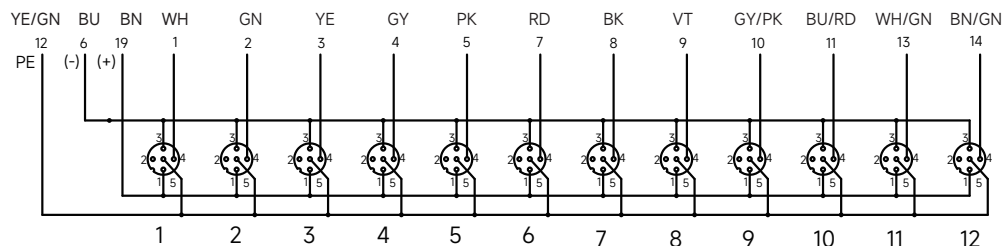
Signal S2 (none)



NPN



PNP



None

M12Female



Single Pre-Molding

M23 Female

SingleChannel

19-15Pins

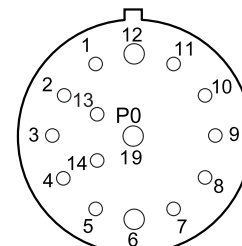
12 Port



		PartNumber	PartNumber
PVC	Gray	M23-F19S-15P-1C-5.0PVC/GY	M23-F19A-15P-1C-5.0PVC/GY
PUR	Gray	M23-F19S-15P-1C-5.0PVC/GY	M23-F19A-15P-1C-5.0PVC/GY

12 >	YE/GN
6 >	BU
19 >	BN
1 >	WH
2 >	GN
3 >	YE
4 >	GY
5 >	PK
7 >	RD
8 >	BK
9 >	VT
10 >	GY/PK
11 >	RD/BU
13 >	WH/GN
14 >	BN/GN

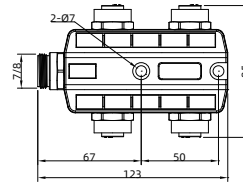
M23 Female
19-15 Pins
12 Port SingleChannel



Industrial Sensor/Actuator Junction Box

7/8 Junction Box

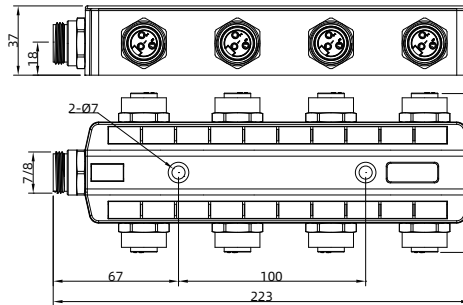
4 Port


Junction
Box

Female J3 3 2 1 Female J1 3 2 1 Male P1 3 2 1 Female J4 3 2 1 Female J2 3 2 1 Male 3 2 1 Female 2 3 1 3Pins	Female J3 4 3 2 1 Female J1 4 3 2 1 Male P1 4 3 2 1 Female J4 4 3 2 1 Female J2 4 3 2 1 Male 4 3 2 1 Female 2 3 1 4Pins	Female J3 5 4 3 2 1 Female J1 5 4 3 2 1 Male P1 5 4 3 2 1 Female J4 5 4 3 2 1 Female J2 5 4 3 2 1 Male 5 4 3 2 1 Female 2 3 1 5Pins
PartNumber	PartNumber	PartNumber
7/8-M03-4P-F03	7/8-M04-4P-F04	7/8-M05-4P-F05

7/8 Junction Box

8 Port

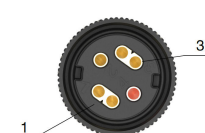
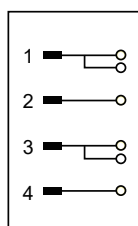
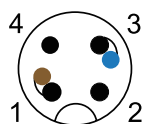


Female J7 3 2 1 Female J5 3 2 1 Female J3 3 2 1 Female J1 3 2 1 Male P1 3 2 1 Female J8 3 2 1 Female J6 3 2 1 Female J4 3 2 1 Female J2 3 2 1 Male 3 2 1 Female 2 3 1 3Pins	Female J7 4 3 2 1 Female J5 4 3 2 1 Female J3 4 3 2 1 Female J1 4 3 2 1 Male P1 4 3 2 1 Female J8 4 3 2 1 Female J6 4 3 2 1 Female J4 4 3 2 1 Female J2 4 3 2 1 Male 4 3 2 1 Female 2 3 1 4Pins	Female J7 5 4 3 2 1 Female J5 5 4 3 2 1 Female J3 5 4 3 2 1 Female J1 5 4 3 2 1 Male P1 5 4 3 2 1 Female J8 5 4 3 2 1 Female J6 5 4 3 2 1 Female J4 5 4 3 2 1 Female J2 5 4 3 2 1 Male 5 4 3 2 1 Female 2 3 1 5Pins
PartNumber	PartNumber	PartNumber
7/8-M03-8P-F03	7/8-M04-8P-F04	7/8-M05-8P-F05

Technical Parameter:

Rated Voltage (V)	600 V AC/DC
Rated Capacity (A)	max. 8A
Connection method	Metal nut lock
Temp Range	0°C ...+60°C

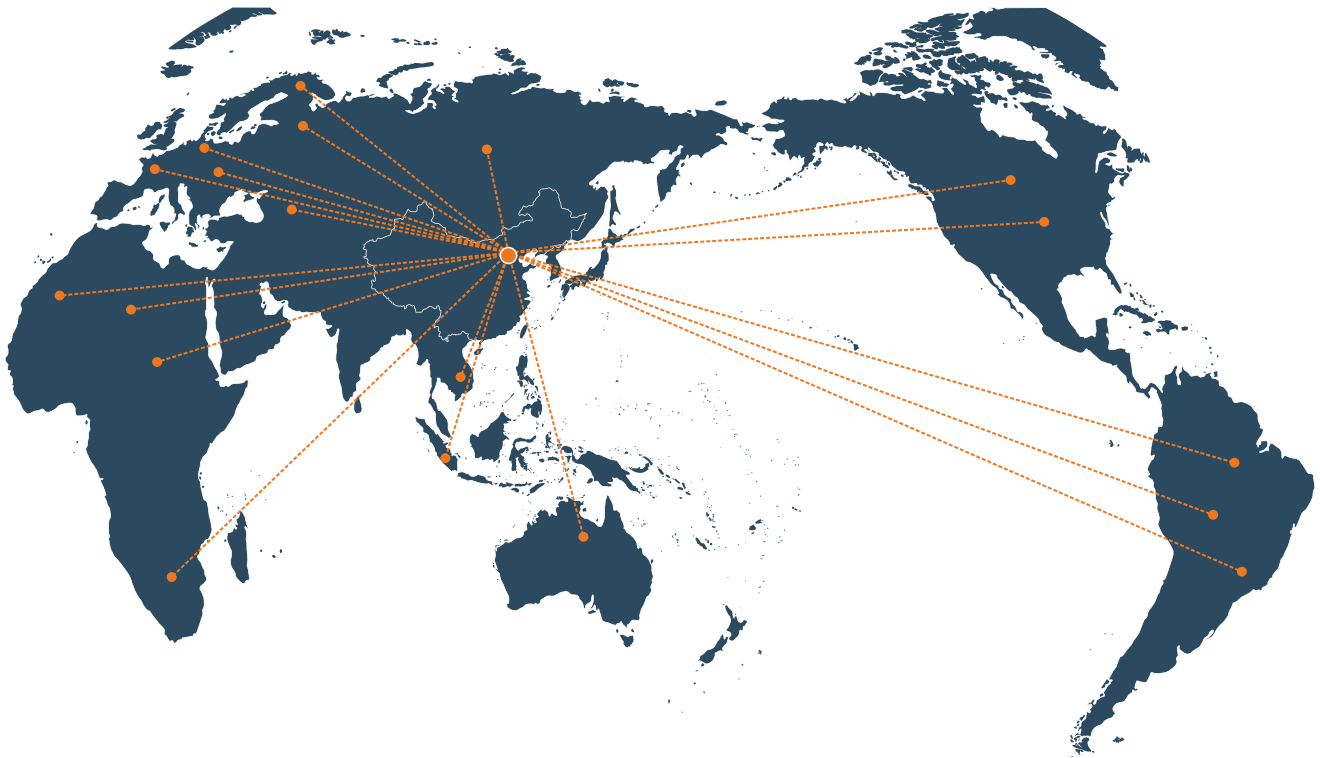
Connect Attachment	PartNumber	Describe
	M8-MC	M8 Junction Box Female Cap
	M12-MC	M12 Junction Box Female Cap
	M8-M03S	M8 Male 3Pins Straight
	M8-M04S	M8 Male 4Pins Straight
	M8-M03A	M8 Male 3Pins Angle
	M8-M04A	M8 Male 4Pins Angle
	M12A-M04S	AppliCableRange: 4-6mm ²
	M12A-M05S	AppliCableRange: 4-6mm ²
	M12A-M04A	AppliCableRange: 4-6mm ²
	M12A-M05A	AppliCableRange: 4-6mm ²
 M12Female*2 M12Male	M12Y-M05A/2F05A-A	M12 Y-Type M12 Male To 2xM12 Female the wiring diagram for details4.154
	M12Y-M04A/2F04A-A	
	M12Y-M05A/2F05A-B	
	M12Y-M05A/2F05A-C	
	M12Y-M04A/2F04A-C	
 M8插孔Female*2 M12插针Male	M12Y-M03S/2XM08-F03S-A	M12 Y-Type M12 Male To 2xM8 Female the wiring diagram for details4.155
	M12Y-M04S/2XM08-F03S-A	
 M8插孔Female*2 M8插针Male	M8Y-M03S/2F03S-A	M8 Y-Type M8 Male To 2xM8 Female the wiring diagram for details4.156
	M8Y-M04S/2F04S-B	
	M12-M04S-YA	1, 3DoubleLine, Single Outgoing Line: 6-8MM
	M12-M04S-YB	1, 3DoubleLine, Double Outgoing Line: 3-5MM



M12-M04S-YA

M12-M04S-YB

Service Network



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