

Complex gripper, flexible assembly

CERG
End-Of-Arm-Tooling
机器人末端工装夹具 -EOAT

5.1

ROBOTICS PARTS CATALOG

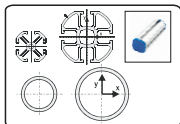


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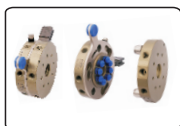
型材、钢管 **P**rofile、SUS Tube

01-05



支架模组 **S**tents Module

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快换 **Q**uick Changer

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型材、钢管

P-型材、钢管
Profile、SUS Tube



PST-钢管
Sus Tube
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PCT-碳纤维管
Carbon Fiber Tube
页码/Page 1



PEP-型材
Extruded Profiles
页码/Page 2



PT-T型螺母
T-Nuts
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支架模组

S-支架模组
Stents Module



SFP-型材固定板
Fixing Plate
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SMB-模组固定件
Module Fixed Part
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SV-吸盘支架
Vacuum Cups Bracket
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SC-夹腿连接件
Clamp Leg Connector
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SEA-弯臂连接件
Elbow Arm Connector
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SBN-套筒螺母
Bush Nut
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快换

Q-快换
Quick Changer



QCA-圆形自动快换
Automatic Quick Changer
页码/Page 55~86



QC-圆形手动快换
Round Quick Changer
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SIP-快换连接板
Quick Changer Connector
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QCS-方形手动快换
Square Quick Changer
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Manual Quick Changer
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QCA-方形自动快换
Automatic Quick Changer
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夹具组件

G-夹具组件
Grip Module



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Cylinder Gripper
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GMHZL2-加长平行夹
Lengthen Parallel Gripper
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GMXQ-气动滑台
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GR-水口夹
Sprue Gripper
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索引 | General index



GS-缓冲支架
Buffer Support
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GMP-模具定位器
Mould Positioner
页码/Page 173



GN-气动针夹
Pneumatic Needle Gripper
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GBD-鼓胀器
Bulging Device
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GF-气动拨指
Pneumatic Finger Gripper
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GO-单动拨指
One Finger Angular Pneumatic Grippers
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气动剪刀

N-气动剪刀
Air Nipper



GT-推入式气剪
Thrust Cut Nippers
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GTC-温度控制器
Temperature Regulator
页码/Page 195



GT-加热割刀
Heating Cutter
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真空组件

V-真空组件
Vacuum Module



FGA-吸盘
Vacuum Cup
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VSH-吸盘
Vacuum Cups
页码/Page 202~204



SAF-吸盘
Vacuum Cups
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VM-吸盘金具转接头
Vacuum Cup Connector
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VF-金具缓冲杆
Stem Suction Buffer Body
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Compact-真空模组
Vacuum Module
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附件

A-附件
Accessory Components



ASC-信号盒
Signal Boxes
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AJB-分线盒
Junction Box
页码/Page 235~238



ARJ-微型减压阀
Miniature Regulator
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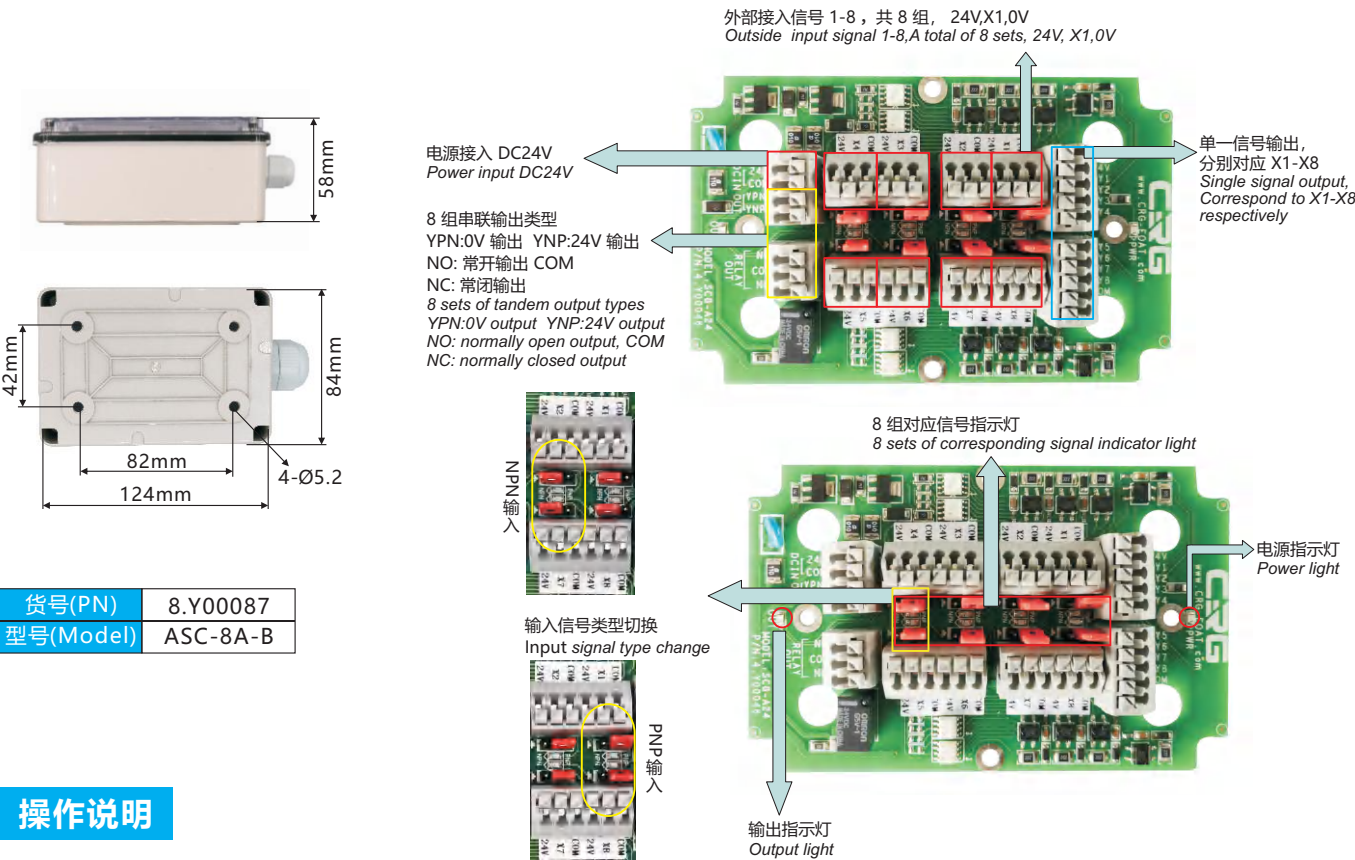
KQ2-气管接头
Hose Fitting
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AH-气管
Hoses
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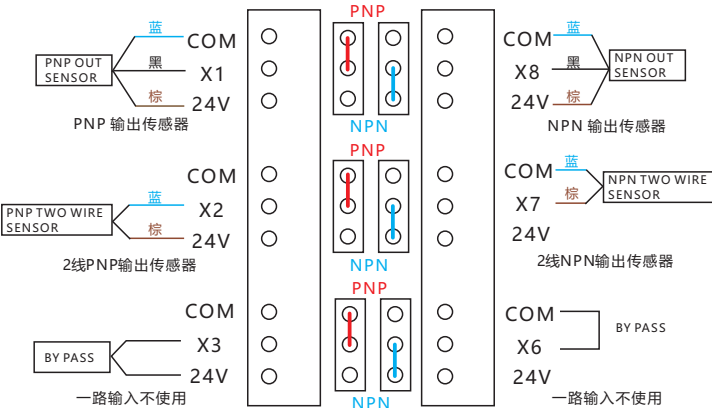
结构说明

Structure description



操作说明

Operation description



功能说明

Function description

- 1.解决多个传感器串成一路后电源功率不够的问题, 取消继电器转换, 占地空间的问题。最多可使用8组, 不足8组需要短接。
 - 2.输出类型的可变更, 目前为NPN,PNP,NC,NO四种输出形式。
 - 3.也可以单独抓取信号, 抓取的信号类型为感应器的实际类型。
 - 4.可观察每个感应器的感应状态, 以及输出的状态。
 - 5.感应器与输出类型不符时, 可利用跳针将类型转化, 减去更换感应器的工作。
1. To solve the problem that the power supply of multiple sensors is not connected as one line, the problem of space occupation is cancelled. The maximum 8 groups can be used, and less than 8 groups need to be shorted.
 2. Output types can be changed at present for NPN, PNP, NC, NO, and four output forms.
 3. You can also crawl the signal individually, and grab the signal type for the actual type of sensor.
 4. Observe the induction state of each inductor and the status of the output.
 5. Types of sensors and output is not available, skipping type conversion, minus the replacement work of the sensor.

电参数

Electrical parameters

	最小 minimum	推荐 Recommend	最大 Maximum	单位 Unit
电源电压 supply voltage	20	24	28	V
输入端有效电流值 Value of effective current at input	5	7	10	mA
晶体管输出最大负载 Transistor Output Maximum Load			100	mA
继电器输出端负载能力(阻性 负载时) Relay Output Load Capability (Resistive Load)			0.5A@125VAC 1A@24VDC	
最大开关频率 Maximum switching frequency		TBD		Hz

型材 SUS Tube

支架模组
Stents Module

快换
Quick Changer

夹具组件
Grip Module

气动剪刀
Air Nipper

真空组件
Vacuum Module

附件
Accessory Components

分线盒 Junction box

外壳材质:尼龙,黑色
锁紧螺母:黄铜镀镍
针托:TPU材质,黑色
触点:黄铜镀金
防护等级:IP67

负载:10~30VDC,6A总电流强度,2A分口电流强度,LED 10mA

使用环境温度:-30...+80℃

单通道 PNP NPN

Housing material:Nylon/Black

Coupling nut:Brass/Nicket

Contact carrier:TPU/Black

Pin:Brass/Gold

IP degree:IP67

Load:10~30VDC,2 A/port, 6 A total,LED 10mA

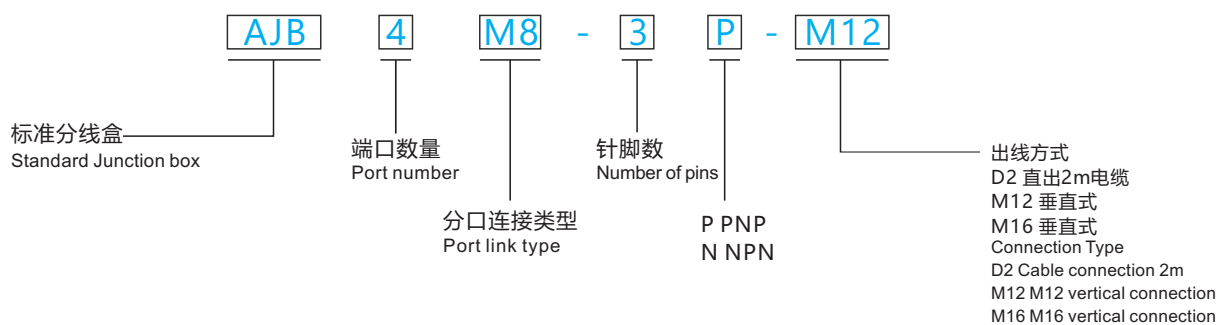
Temperature range:-30...+80℃

Single channel PNP or NPN



型号表示方法

Model representation methods



货号(PN)	型号(Model)	类型(Type)	重量(Weight)
4.Y00487	AJB4M8-3P-M12	PNP	110g
4.Y00488	AJB4M8-3N-M12	NPN	110g
4.Y00491	AJB8M8-3P-M16	PNP	120g
4.Y00492	AJB8M8-3N-M16	NPN	120g
4.Y00495	AJB8M8-3P-D2	PNP	300g
4.Y00496	AJB8M8-3N-D2	NPN	300g

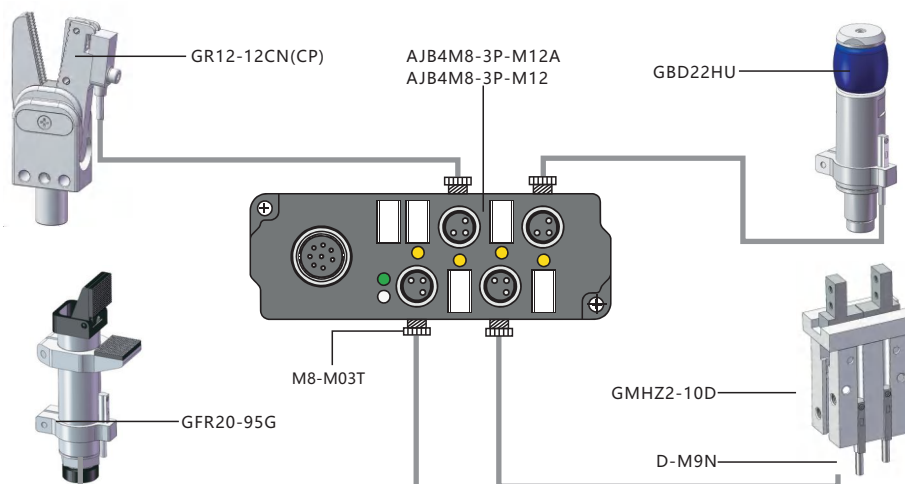
运用实例 / Application example

1. 单通道 PNP NPN

2. 四路输入同时有效, 输出一组信号, 实现 "与电路" 输出功能 (选配)

1. Single channel PNP or NPN

2. The four way input is effective at the same time, and outputs a set of signals to realize the output function of "and circuit".



M8四分口分线盒 M8 4 ports Junction box

外壳材质:尼龙,黑色
锁紧螺母:黄铜镀镍
针托:TPU材质,黑色
触点:黄铜镀金
防护等级:IP67
负载:10~30VDC,6A总电流强度,2A分口电流强度,LED 10mA
使用环境温度:-30...+80°C

Housing material:Nylon/Black
Coupling nut:Brass/Nicket
Contact carrier:TPU/Black
Pin:Brass/Gold
IP degree:IP67
Load:10~30VDC,2 A/port, 6 A total,LED 10mA
Temperature range:-30...+80°C

型材 / SUS Tube
支架模组

Stents Module

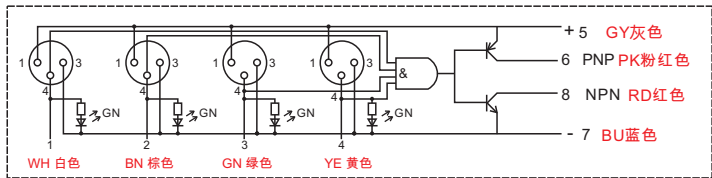
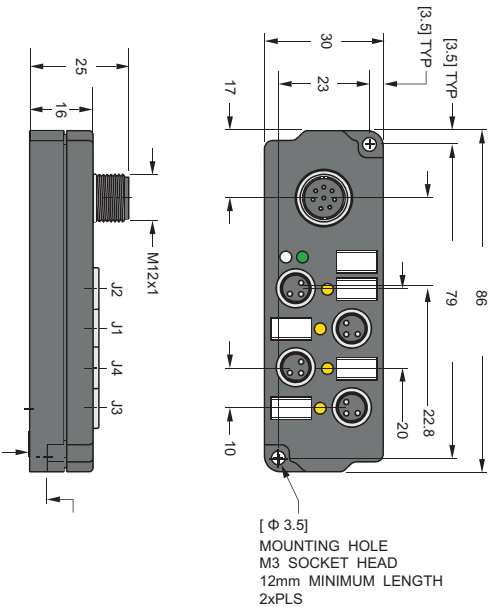
Quick Changer

Grip Module
夹具组件

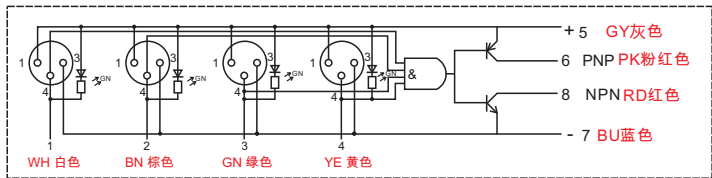
Air Nipper
气动剪刀

Vacuum Module
真空组件

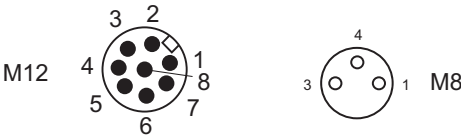
附件
Accessory Components



AJB4M8-3P-M12



AJB4M8-3N-M12



接头 /Joint



8针M12现场可接线连接器

3针M8现场可接线连接器

8 pins M12 Field wirable connector

3 pins M8 Field wirable connector

货号(PN)	1.Y07461
型号(Model)	ELK8112-0/9

货号(PN)	1.Y06722
型号(Model)	M8-M03T

单通道 PNP NPN
每分口1路信号
带 LED 显示灯
垂直式M12连接器
Single channel PNP or NPN
1 signal per port
LED
M12 vertical connector



3针M8现场可接线连接器
3 pins M8 Field wirable connector

货号(PN)	1.Y13391
型号(Model)	M8-M03L



8针M12预铸电缆
8 pins M12 pre-moulding Cable

货号(PN)	1.Y07462
型号(Model)	ELK8-2M/P00

针脚排列图/Pinout

孔座/Female



* 线材长为 2 米 The wire length is 2 meters

货号(PN)	型号(Model)	类型(Type)	重量(Weight)
4.Y00487	AJB4M8-3P-M12	PNP	110g
4.Y00488	AJB4M8-3N-M12	NPN	110g

M8八分口分线盒 M8 8 ports Junction box

型材: SUS Tube
材质: 钢管

支架模组
Stents Module

快换
Quick Changer

夹具组件
Grip Module

气动剪刀
Air Nipper

真空组件
Vacuum Module

附件
Accessory Components

外壳材质: 尼龙, 黑色

锁紧螺母: 黄铜镀镍

针托: TPU材质, 黑色

触点: 黄铜镀金

防护等级: IP67

负载: 10~30VDC, 6A总电流强度, 2A分口电流强度, LED 10mA

使用环境温度: -30...+80°C

Housing material: Nylon/Black

Coupling nut: Brass/Nickel

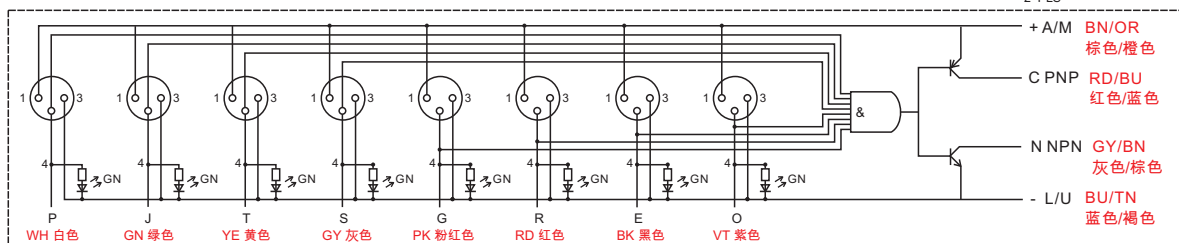
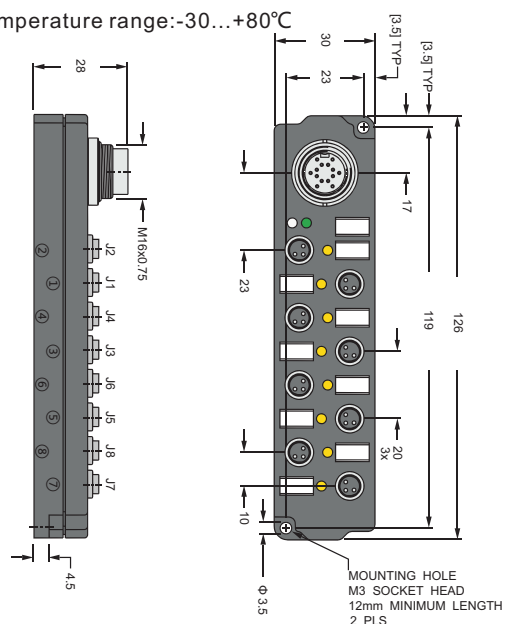
Contact carrier: TPU/Black

Pin: Brass/Gold

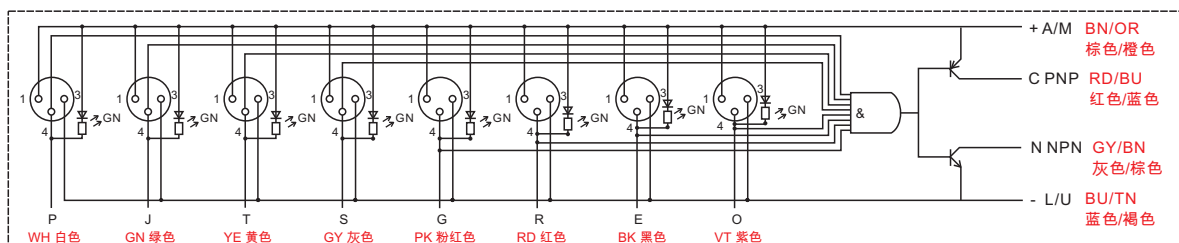
IP degree: IP67

Load: 10~30VDC, 2 A/port, 6 A total, LED 10mA

Temperature range: -30...+80°C



AJB8M8-3P-M16



AJB8M8-3N-M16

单通道 PNP NPN
每分口1路信号
带 LED 显示灯
垂直式M16连接器

Single channel PNP or NPN
1 signal per port
LED
M16 vertical connector

接头 /Joint



14针M16预铸电缆

14 pins M16 pre-moulding Cable

货号(PN)	1.Y07463
型号(Model)	DNLK14-14-2M/P00

* 线材长为 2 米 The wire length is 2 meters



3针M8现场可接线连接器

3 pins M8 Field wireable connector

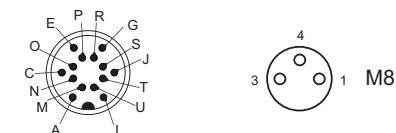
货号(PN)	1.Y06722
型号(Model)	M8-M03T



3针M8现场可接线连接器

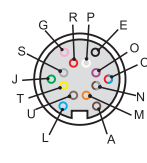
3 pins M8 Field wireable connector

货号(PN)	1.Y13391
型号(Model)	M8-M03L



针脚排列图/Pinout

孔座/Female



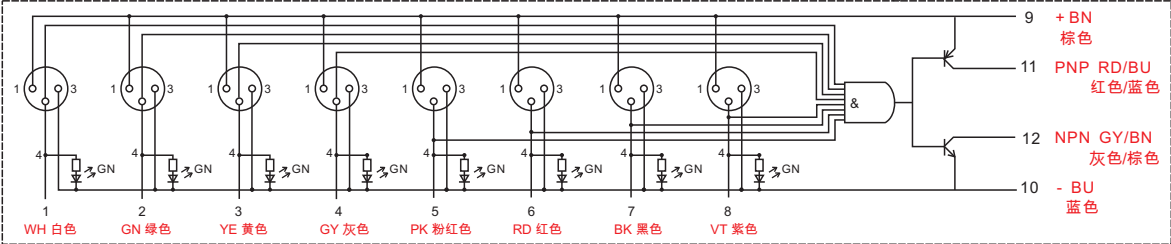
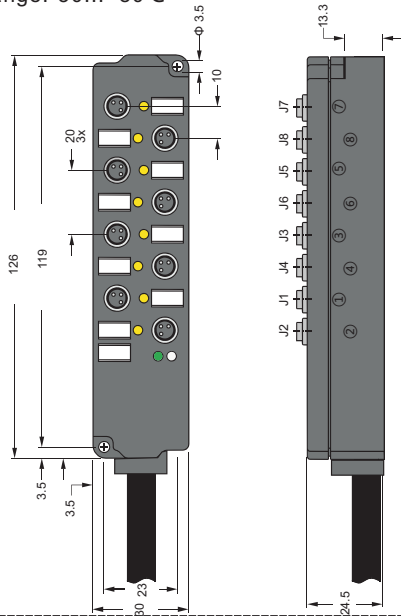
A. BN 棕色	N. GY/BN 灰色/棕色
C. RD/BU 红色/蓝色	O. VT 紫色
E. BK 黑色	P. WH 白色
G. PK 粉红色	R. RD 红色
J. GN 绿色	S. GY 灰色
L. BU 蓝色	T. YE 黄色
M. OR 橙色	U. TN 褐色

货号(PN)	型号(Model)	类型(Type)	重量(Weight)
4.Y00491	AJB8M8-3P-M16	PNP	120g
4.Y00492	AJB8M8-3N-M16	NPN	120g

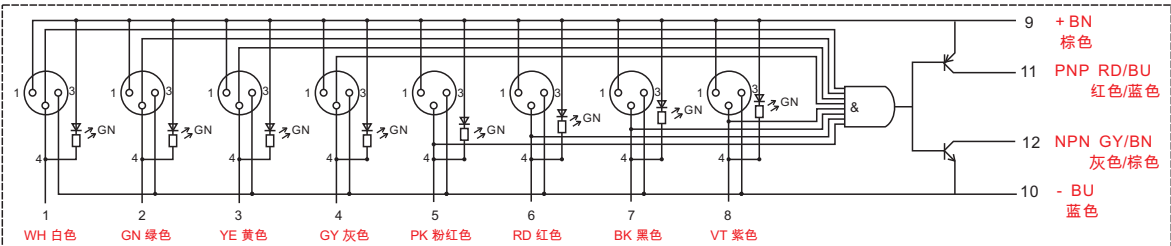
M8八分口分线盒 M8 8 ports Junction box

外壳材质:尼龙,黑色
锁紧螺母:黄铜镀镍
针托:TPU材质,黑色
触点:黄铜镀金
防护等级:IP67
负载:10~30VDC,6A总电流强度,2A分口电流强度,LED 10mA
使用环境温度:-30...+80℃

Housing material:Nylon/Black
Coupling nut:Brass/Nicket
Contact carrier:TPU/Black
Pin:Brass/Gold
IP degree:IP67
Load:10~30VDC,2 A/port, 6 A total,LED 10mA
Temperature range:-30...+80℃



AJB8M8-3P-D2



AJB8M8-3N-D2

单通道 PNP NPN
每分口1路信号
带 LED 显示灯
2m黑色10芯 PVC 线

Single channel PNP or NPN
1 signal per port
LED
Black PVC wire with 10 cores in 2m

接头 /Joint



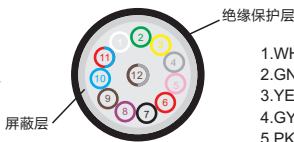
3针M8现场可接线连接器
3 pins M8 Field wirable connector

3针M8现场可接线连接器
3 pins M8 Field wirable connector

货号(PN)	1.Y06722
型号(Model)	M8-M03T

货号(PN)	1.Y13391
型号(Model)	M8-M03L

信号线截面示意图
Signal Wire Cross-sectional Sketch Map



- 1.WH 白色
- 2.GN 绿色
- 3.YE 黄色
- 4.GY 灰色
- 5.PK 粉红色
- 6.RD 红色
- 7.BK 黑色
- 8.VT 紫色
- 9.BN 棕色
- 10.BU 蓝色
- 11.RD/BU 红色/蓝色
- 12.GY/BN 灰色/棕色

货号(PN)	型号(Model)	类型(Type)	重量(Weight)
4.Y00495	AJB8M8-3P-D2	PNP	300g
4.Y00496	AJB8M8-3N-D2	NPN	300g

* 标准长度为2米,可订制长度
* The standard length is 2 meters, which can be customized.

型材 / SUS Tube

支架模组

快速切换

夹具组件

气动剪刀

真空组件

附件

Accessory Components