



Industrial connection system

工业连接系统



Industrial connection system



上海兰宝传感科技股份有限公司
Shanghai Lanbao Sensing Technology Co., Ltd.



上海兰宝传感科技股份有限公司

上海兰宝传感科技股份有限公司创立于1998年,是智能制造核心部件和智能化应用设备供应商,国家重点支持的国家级专精特新“小巨人”企业、国家知识产权优势企业、上海市企业技术中心、2022上海硬核科技企业“TOP 100”、2020首批20家上海市智能工厂、上海市产业技术创新促进会理事单位、上海市科技小巨人企业。产品包含智能电感式、智能光电式、智能电容式三大系列多种型号,全面满足离散工业客户在高温、电磁干扰、狭小空间、强光反射等等使用场景中对位置、距离、位移、速度等信息的感知需求。

兰宝始终秉承以科技创新为第一驱动力的发展理念,持续拓展智能传感技术和智能测控技术在工业物联网中的应用,满足客户智能制造升级中的数字化智能化需求,助力智能制造装备产业的国产化进程,坚定地推动我国传感产业良性发展贡献力量。

Shanghai Lanbao Sensing Technology Co., Ltd.

Established in 1998, Shanghai Lanbao Sensing Technology Co., Ltd. is a supplier of intelligent manufacturing core components and application equipment, national science and technology "Little Giant" enterprise supported by the government, National intellectual property advantage enterprises, Shanghai Enterprise Technology Center, "TOP 100" of Shanghai hard core technology enterprises in 2022, First batch of 20 smart factories in Shanghai in 2020, Director unit of Shanghai industrial technology innovation promotion association. Our products include intelligent inductive sensor, photoelectric sensor and capacitive sensor, which can fully meet the perception needs of discrete industrial customers for positioning, distance and displacement measuring, or speed testing in various applications, such as high temperature, electromagnetic interference, narrow space, or strong light reflection etc.

Lanbao always adheres to the development concept of taking scientific and technological innovation as the first driving force, continues to expand the application of intelligent sensing and measuring technology in the industrial Internet of things, meets the digital and intelligent needs of customers in the upgrading of intelligent manufacturing, helps the localization process of intelligent manufacturing equipment industry, and firmly contributes to the prosperous development of China's sensing industry.



LANBAO SENSOR

兰宝汇集国际业内顶尖精英，掌握核心技术，专注于工业自动化产品领域。在导入全球领先的管理理念和制度的同时，集合设计、开发、研制、生产等配套流程，打造一体化经营格局，最终成为国际工业自动化产品制造领域的翘楚。兰宝拥有一批国际领先的自动化制造设备，保证产品具有国际技术水平和可靠质量。兰宝以严谨的品质管理与控制流程，确保每一件产品“零缺陷”。

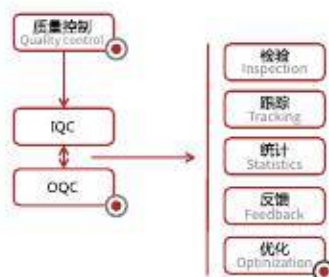
With excellent talents, core technology, Lanbao always concentrates on industrial automation field. By introducing global leading management philosophy and systems, congregating design, development, research and production, it is aim of Lanbao that finally to be a leading manufacturer in global industrial automation field. Our series international leading automation manufacturing equipments ensure international technical level and reliable quality, our strict quality management and control process guarantee "zero defect" products.



全面质量管理
Total Quality Management



完整IQC和OQC检验流程
Testing Process



连接线缆型号一览 Model Catalogue

	内螺纹直头 180° female screw	内螺纹弯头 90° female screw	外螺纹直头 180° male screw	外螺纹弯头 90° male screw
QE8系列 QE8 Series 	QE8-N3F2 QE8-N3F5 QE8-N3F2-U QE8-N3F5-U QE8-N4F2 QE8-N4F5 QE8-N4F2-U QE8-N4F5-U	QE8-N3G2 QE8-N3G5 QE8-N3G2-U QE8-N3G5-U QE8-N4G2 QE8-N4G5 QE8-N4G2-U QE8-N4G5-U	QE8-W3F2 QE8-W3F5 QE8-W3F2-U QE8-W3F5-U QE8-W4F2 QE8-W4F5 QE8-W4F2-U QE8-W4F5-U	QE8-W3G2 QE8-W3G5 QE8-W3G2-U QE8-W3G5-U QE8-W4G2 QE8-W4G5 QE8-W4G2-U QE8-W4G5-U
QE12系列 QE12 Series 	QE12-N3F2 QE12-N3F5 QE12-N3F2-U QE12-N3F5-U QE12-N4F2 QE12-N4F5 QE12-N4F2-U QE12-N4F5-U QE12-N5F2 QE12-N5F5 QE12-N5F2-U QE12-N5F5-U	QE12-N3G2 QE12-N3G5 QE12-N3G2-U QE12-N3G5-U QE12-N4G2 QE12-N4G5 QE12-N4G2-U QE12-N4G5-U QE12-N5G2 QE12-N5G5 QE12-N5G2-U QE12-N5G5-U	QE12-W3F2 QE12-W3F5 QE12-W3F2-U QE12-W3F5-U QE12-W4F2 QE12-W4F5 QE12-W4F2-U QE12-W4F5-U QE12-W5F2 QE12-W5F5 QE12-W5F2-U QE12-W5F5-U	QE12-W3G2 QE12-W3G5 QE12-W3G2-U QE12-W3G5-U QE12-W4G2 QE12-W4G5 QE12-W4G2-U QE12-W4G5-U QE12-W5G2 QE12-W5G5 QE12-W5G2-U QE12-W5G5-U
QE12系列 (带LED) QE12 Series (With LED) 	QE12-N3F2-P/N QE12-N3F5-P/N QE12-N3F2-P/N-U QE12-N3F5-P/N-U QE12-N4F2-P/N QE12-N4F5-P/N QE12-N4F2-P/N-U QE12-N4F5-P/N-U	QE12-N3G2-P/N QE12-N3G5-P/N QE12-N3G2-P/N-U QE12-N3G5-P/N-U QE12-N4G2-P/N QE12-N4G5-P/N QE12-N4G2-P/N-U QE12-N4G5-P/N-U		
QE8/12系列 (连接器) QE8/12 Series(Connector) 	QE8-N3F QE8-N4F QE12-N4F QE12-N5F	QE12-N4G QE12-N5G	QE8-W3F QE8-W4F QE12-W4F QE12-W5F	QE12-W4G QE12-W5G
QE12系列 (接插件) 	QE12-N4F1-E12W4F QE12-N4F2-E12W4F QE12-N4F5-E12W4F			

分线盒型号一览 Model Catalogue

	M8 接口 M8 socket	M12 接口 M12 socket
DB系列 DB Series 	DB080403-x-xxP DB080403-x-xxN DB080803-x-xxP DB080803-x-xxN DB080803-x-DxxP DB080803-x-DxxN	DB120804-x-xxP DB120804-x-xxN DB120804-x-MxxP DB120804-x-MxxN DB120805-x-xxP DB120805-x-xxN DB120805-x-MxxP DB120805-x-MxxN

连接线缆型号代码 Model & Code

$\frac{QE12}{1}$ - $\frac{N3}{2}$ $\frac{G}{3}$ $\frac{5}{4}$ - $\frac{P}{5}$ - $\frac{U}{6}$ - $\frac{\square\square\square\square}{7}$

1. 连接器规格 Connector type

QE8 : M8连接器 M8 Connector
QE12 : M12连接器 M12 Connector

2. 芯线连接 Core wire

N3 : 3芯内螺纹连接 3 pins female screw
N4 : 4芯内螺纹连接 4 pins female screw
W3 : 3芯外螺纹连接 3 pins male screw
W4 : 4芯外螺纹连接 4 pins male screw

3. 出线方向 Cable lead-out

F : 180°直头 Stright shape
G : 90°弯头 "L" shape

4. 线缆长度 Cable length

2 : 2米电缆线 2m Cable
5 : 5米电缆线 5m Cable
10 : 10米电缆线 10m Cable

5. 输出方式 Output

无表示 : 无LED None: No LED
 NPN/PNP共用 available for both NPN/PNP
P : 带LED PNP接口 With LED for PNP
N : 带LED NPN接口 with LED for NPN

6. 线缆材质 Cable material

无表示 : PVC None: PVC
U : PUR U : PUR

7. 特殊代码 Special code

四位数字代号 4 digits number code

分线盒型号代码 Model & Code

$\frac{DB}{1}$ $\frac{12}{2}$ $\frac{08}{3}$ $\frac{04}{4}$ - $\frac{x}{5}$ - $\frac{Mxx}{6}$ $\frac{P}{7}$

1. 产品系列 Product series

DB : 分线盒 Distribution box

2. 接口类型 Core wire

08 : M8连接器 M8 Connector
12 : M12连接器 M12 Connector

3. I/O 通道数 I/O channel number

04 : 4
06 : 6
08 : 8
10 : 10

4. I/O 孔数 I/O port

03 : 3
04 : 4
05 : 5

5. 线缆材质 Cable material

0 : 无线端 None
1 : PVC
2 : PUR

6. 出线规格 Cable type

D : D-SUB端子 D-SUB
M : M23端子 Plug connector M23
无表示 : 直接出线 None: pre-wired cable
03 : 3米电缆线 3m Cable
05 : 5米电缆线 5m Cable
07 : 7米电缆线 7m Cable

7. LED指示 LED indication

P : PNP
N : NPN

连接线缆 Connection Cable

线型 Cable type	型号 Item code			
2m PVC	QE8-N3F2	QE8-N3G2	QE8-N4F2	QE8-N4G2
5m PVC	QE8-N3F5	QE8-N3G5	QE8-N4F5	QE8-N4G5
2m PU	QE8-N3F2-U	QE8-N3G2-U	QE8-N4F2-U	QE8-N4G2-U
5m PU	QE8-N3F5-U	QE8-N3G5-U	QE8-N4F5-U	QE8-N4G5-U



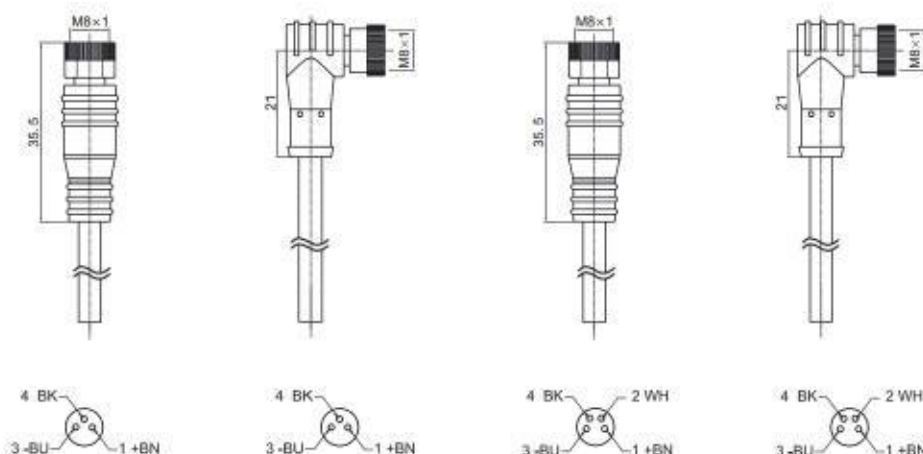
连接器 Connector

工作电压 Operating voltage	60VAC/DC	60VAC/DC	60VAC/DC	60VAC/DC
额定电流 Nominal current	4A	4A	4A	4A
绝缘电阻 Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ
温度范围 Temperature range	-30~+90°C	-30~+90°C	-30~+90°C	-30~+90°C
LED指示 LED Indication	—	—	—	—
外被 Outer covering	PVC	PVC	PVC	PVC
承载材质 Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy
防护等级 Protection degree	IP67	IP67	IP67	IP67

连接线缆 Connection cable

材质 Material	PVC/PU	PVC/PU	PVC/PU	PVC/PU
颜色 Colour	黑色 Black	黑色 Black	黑色 Black	黑色 Black
线径 Cable diameter	Φ4.4mm	Φ4.4mm	Φ4.4mm	Φ4.4mm
芯线 Core wire	3*0.25mm ² (0.1*32)	3*0.25mm ² (0.1*32)	4*0.25mm ² (0.1*32)	4*0.25mm ² (0.1*32)
长度 Length	2m/5m	2m/5m	2m/5m	2m/5m

尺寸图 Dimension



连接线缆 Connection Cable

线型 Cable type	型号 Item code			
2m PVC	QE8-W3F2	QE8-W3G2	QE8-W4F2	QE8-W4G2
5m PVC	QE8-W3F5	QE8-W3G5	QE8-W4F5	QE8-W4G5
2m PU	QE8-W3F2-U	QE8-W3G2-U	QE8-W4F2-U	QE8-W4G2-U
5m PU	QE8-W3F5-U	QE8-W3G5-U	QE8-W4F5-U	QE8-W4G5-U



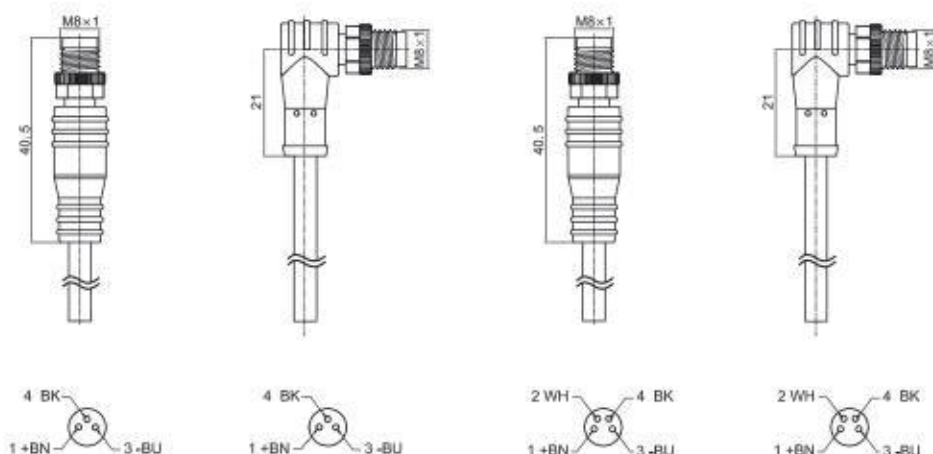
连接器 Connector

工作电压 Operating voltage	60VAC/DC	60VAC/DC	60VAC/DC	60VAC/DC
额定电流 Nominal current	4A	4A	4A	4A
绝缘电阻 Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ
温度范围 Temperature range	-30~+90°C	-30~+90°C	-30~+90°C	-30~+90°C
LED指示 LED Indication	—	—	—	—
外被 Outer covering	PVC	PVC	PVC	PVC
承载材质 Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy
防护等级 Protection degree	IP67	IP67	IP67	IP67

连接线缆 Connection cable

材质 Material	PVC/PU	PVC/PU	PVC/PU	PVC/PU
颜色 Colour	黑色 Black	黑色 Black	黑色 Black	黑色 Black
线径 Cable diameter	Φ4.4mm	Φ4.4mm	Φ4.4mm	Φ4.4mm
芯线 Core wire	3*0.25mm ² (0.1*32)	3*0.25mm ² (0.1*32)	4*0.25mm ² (0.1*32)	4*0.25mm ² (0.1*32)
长度 Length	2m/5m	2m/5m	2m/5m	2m/5m

尺寸图 Dimension



线型 Cable type	型号 Item code			
2m PVC	QE12-N3F2	QE12-N3G2	QE12-N4F2	QE12-N4G2
5m PVC	QE12-N3F5	QE12-N3G5	QE12-N4F5	QE12-N4G5
2m PU	QE12-N3F2-U	QE12-N3G2-U	QE12-N4F2-U	QE12-N4G2-U
5m PU	QE12-N3F5-U	QE12-N3G5-U	QE12-N4F5-U	QE12-N4G5-U



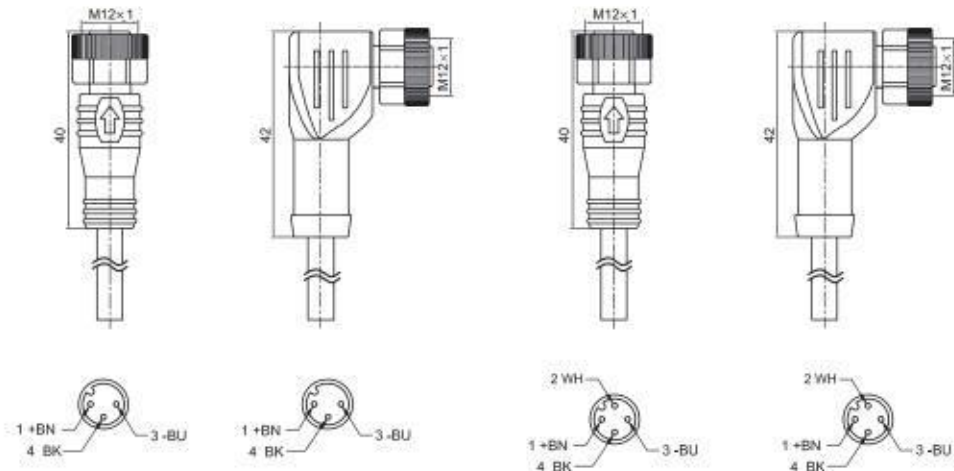
连接器 Connector

工作电压 Operating voltage	250VAC/DC	250VAC/DC	250VAC/DC	250VAC/DC
额定电流 Nominal current	4A	4A	4A	4A
绝缘电阻 Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ
温度范围 Temperature range	-30~+90°C	-30~+90°C	-30~+90°C	-30~+90°C
LED指示 LED Indication	—	—	—	—
外被 Outer covering	PVC	PVC	PVC	PVC
承载材质 Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy
防护等级 Protection degree	IP67	IP67	IP67	IP67

连接线缆 Connection cable

材质 Material	PVC/PU	PVC/PU	PVC/PU	PVC/PU
颜色 Colour	黑色 Black	黑色 Black	黑色 Black	黑色 Black
线径 Cable diameter	Φ4.4mm	Φ4.4mm	Φ5.2mm	Φ5.2mm
芯线 Core wire	3*0.34mm ² (0.2*11)	3*0.34mm ² (0.2*11)	4*0.34mm ² (0.2*11)	4*0.34mm ² (0.2*11)
长度 Length	2m/5m	2m/5m	2m/5m	2m/5m

尺寸图 Dimension



线型 Cable type	型号 Item code			
2m PVC	QE12-N5F2	QE12-N5G2	QE12-W3F2	QE12-W3G2
5m PVC	QE12-N5F5	QE12-N5G5	QE12-W3F5	QE12-W3G5
2m PU	QE12-N5F2-U	QE12-N5G2-U	QE12-W3F2-U	QE12-W3G2-U
5m PU	QE12-N5F5-U	QE12-N5G5-U	QE12-W3F5-U	QE12-W3G5-U



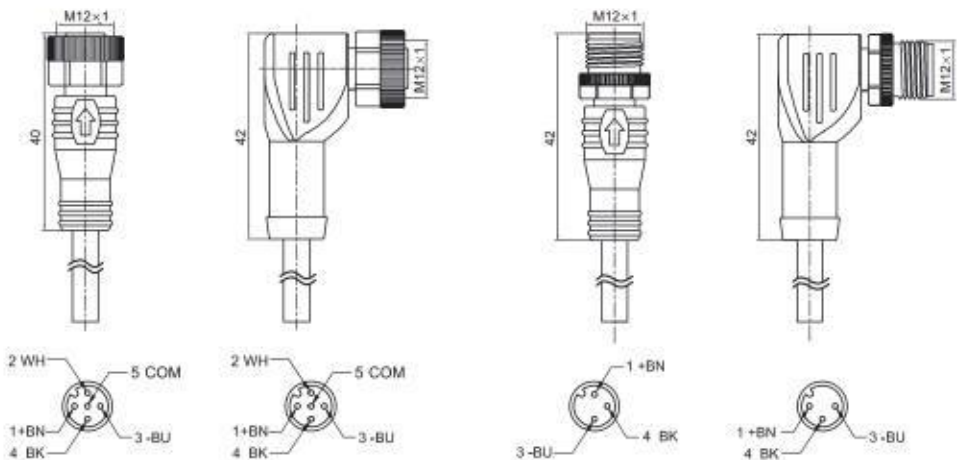
连接器 Connector

工作电压 Operating voltage	250VAC/DC	250VAC/DC	250VAC/DC	250VAC/DC
额定电流 Nominal current	4A	4A	4A	4A
绝缘电阻 Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ
温度范围 Temperature range	-30~+90℃	-30~+90℃	-30~+90℃	-30~+90℃
LED指示 LED Indication	—	—	—	—
外被 Outer covering	PVC	PVC	PVC	PVC
承载材质 Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy
防护等级 Protection degree	IP67	IP67	IP67	IP67

连接线缆 Connection cable

材质 Material	PVC/PU	PVC/PU	PVC/PU	PVC/PU
颜色 Colour	黑色 Black	黑色 Black	黑色 Black	黑色 Black
线径 Cable diameter	Φ5.2mm	Φ5.2mm	Φ4.4mm	Φ4.4mm
芯线 Core wire	5*0.34mm ² (0.2*11)	5*0.34mm ² (0.2*11)	3*0.34mm ² (0.2*11)	3*0.34mm ² (0.2*11)
长度 Length	2m/5m	2m/5m	2m/5m	2m/5m

尺寸图 Dimension



连接线缆 Connection Cable

线型 Cable type	型号 Item code			
2m PVC	QE12-W4F2	QE12-W4G2	QE12-W5F2	QE12-W5G2
5m PVC	QE12-W4F5	QE12-W4G5	QE12-W5F5	QE12-W5G5
2m PU	QE12-W4F2-U	QE12-W4G2-U	QE12-W5F2-U	QE12-W5G2-U
5m PU	QE12-W4F5-U	QE12-W4G5-U	QE12-W5F5-U	QE12-W5G5-U



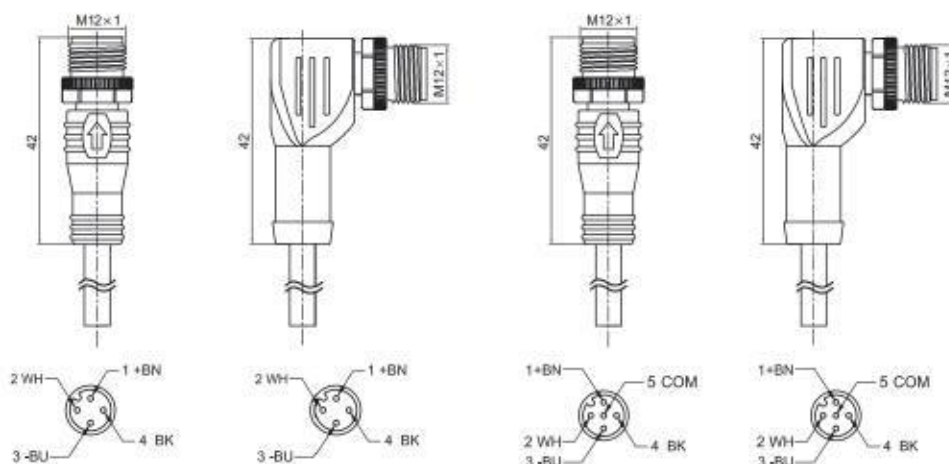
连接器 Connector

工作电压 Operating voltage	250VAC/DC	250VAC/DC	250VAC/DC	250VAC/DC
额定电流 Nominal current	4A	4A	4A	4A
绝缘电阻 Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ
温度范围 Temperature range	-30~+90°C	-30~+90°C	-30~+90°C	-30~+90°C
LED指示 LED Indication	—	—	—	—
外被 Outer covering	PVC	PVC	PVC	PVC
承载材质 Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy
防护等级 Protection degree	IP67	IP67	IP67	IP67

连接线缆 Connection cable

材质 Material	PVC/PU	PVC/PU	PVC/PU	PVC/PU
颜色 Colour	黑色 Black	黑色 Black	黑色 Black	黑色 Black
线径 Cable diameter	Φ5.2mm	Φ5.2mm	Φ5.2mm	Φ5.2mm
芯线 Core wire	4*0.34mm ² (0.2*11)	4*0.34mm ² (0.2*11)	5*0.34mm ² (0.2*11)	5*0.34mm ² (0.2*11)
长度 Length	2m/5m	2m/5m	2m/5m	2m/5m

尺寸图 Dimension



线型 Cable type	型号 Item code
1m PVC	QE12-N4F1-E12W4F
2m PVC	QE12-N4F2-E12W4F
5m PVC	QE12-N4F5-E12W4F



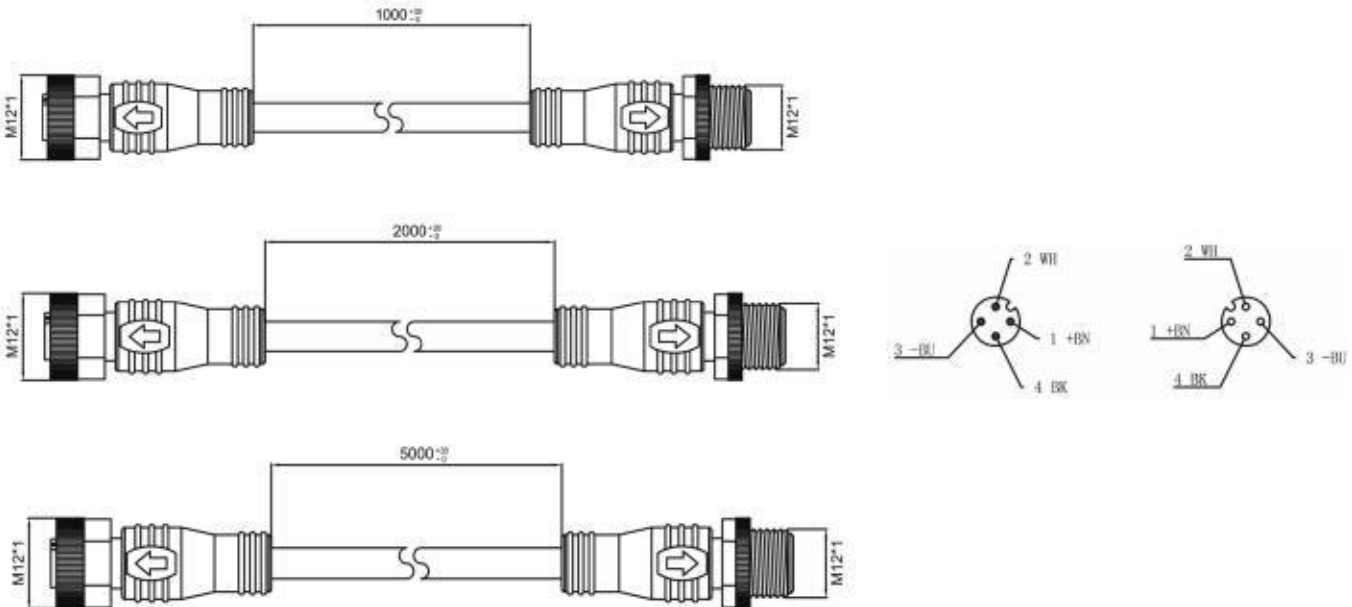
连接器 Connector

工作电压 Operating voltage	250VAC/DC
额定电流 Nominal current	4A
绝缘电阻 Insulation resistance	100MΩ
温度范围 Temperature range	-30°C...90°C
外被 Outer covering	PVC
承载材质 Bearing material	镍铜合金 Nickel-copper alloy
防护等级 Protection degree	IP67

连接线缆 Connection cable

材质 Material	PVC
颜色 Colour	黑色 Black
线径 Cable diameter	Ø5.2mm
芯线 Core wire	4*0.34mm²(0.2*11)
长度 Length	1m/2m/5m

尺寸图 Dimension



连接线缆 Connection Cable

线型 Cable type	型号 Item code			
2m PVC	QE12-N3F2-P	QE12-N3G2-P	QE12-N3F2-N	QE12-N3G2-N
5m PVC	QE12-N3F5-P	QE12-N3G5-P	QE12-N3F5-N	QE12-N3G5-N
2m PU	QE12-N3F2-P-U	QE12-N3G2-P-U	QE12-N3F2-N-U	QE12-N3G2-N-U
5m PU	QE12-N3F5-P-U	QE12-N3G5-P-U	QE12-N3F5-N-U	QE12-N3G5-N-U



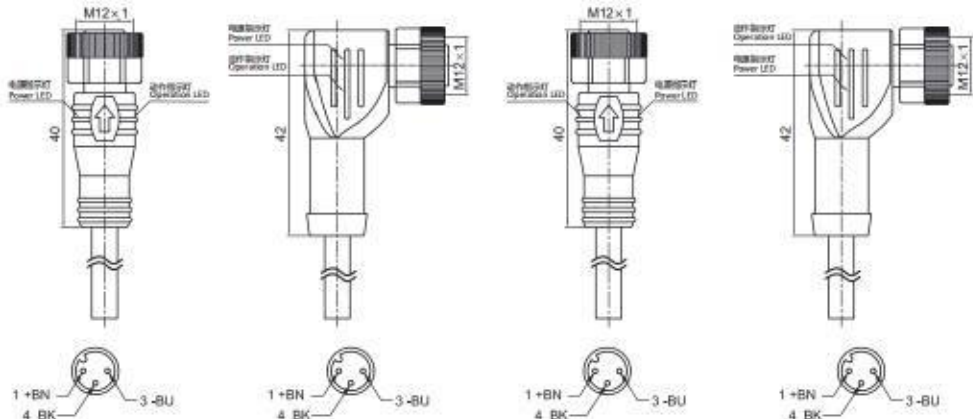
连接器 Connector

工作电压 Operating voltage	30VDC Max	30VDC Max	30VDC Max	30VDC Max
额定电流 Nominal current	4A	4A	4A	4A
绝缘电阻 Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ
温度范围 Temperature range	-30~+90°C	-30~+90°C	-30~+90°C	-30~+90°C
输出方式 Output	PNP	PNP	NPN	NPN
LED指示 LED Indication	电源: 绿色 动作: 黄色 Power: Green Operation: Yellow			
外被 Outer covering	PU	PU	PU	PU
承载材质 Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy
防护等级 Protection degree	IP67	IP67	IP67	IP67

连接线缆 Connection cable

材质 Material	PVC/PU	PVC/PU	PVC/PU	PVC/PU
颜色 Colour	黑色 Black	黑色 Black	黑色 Black	黑色 Black
线径 Cable diameter	Φ4.4mm	Φ4.4mm	Φ4.4mm	Φ4.4mm
芯线 Core wire	3*0.34mm ² (0.2*11)	3*0.34mm ² (0.2*11)	3*0.34mm ² (0.2*11)	3*0.34mm ² (0.2*11)
长度 Length	2m/5m	2m/5m	2m/5m	2m/5m

尺寸图 Dimension



连接线缆 Connection Cable

线型 Cable type	型号 Item code			
2m PVC	QE12-N4F2-P	QE12-N4G2-P	QE12-N4F2-N	QE12-N4G2-N
5m PVC	QE12-N4F5-P	QE12-N4G5-P	QE12-N4F5-N	QE12-N4G5-N
2m PU	QE12-N4F2-P-U	QE12-N4G2-P-U	QE12-N4F2-N-U	QE12-N4G2-N-U
5m PU	QE12-N4F5-P-U	QE12-N4G5-P-U	QE12-N4F5-N-U	QE12-N4G5-N-U



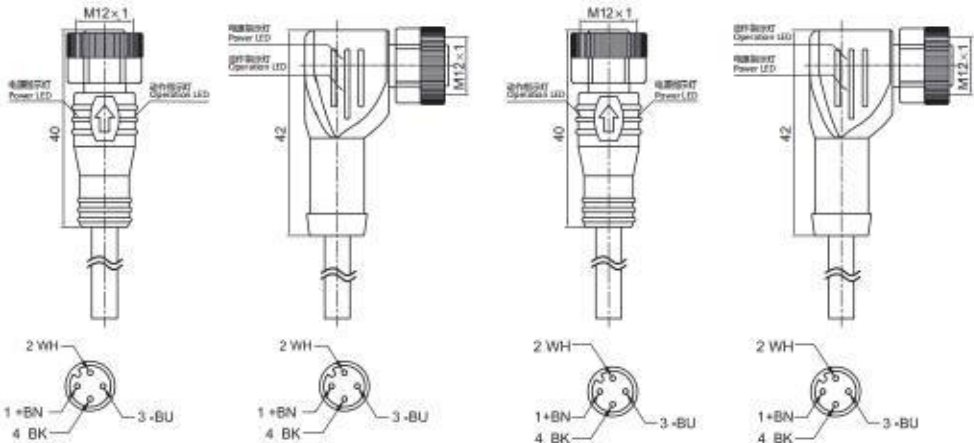
连接器 Connector

工作电压 Operating voltage	30VDC Max	30VDC Max	30VDC Max	30VDC Max
额定电流 Nominal current	4A	4A	4A	4A
绝缘电阻 Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ
温度范围 Temperature range	-30~+90℃	-30~+90℃	-30~+90℃	-30~+90℃
输出方式 Output	PNP	PNP	NPN	NPN
LED指示 LED Indication	电源: 绿色 动作: 黄色 Power: Green Operation: Yellow			
外被 Outer covering	PU	PU	PU	PU
承载材质 Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy
防护等级 Protection degree	IP67	IP67	IP67	IP67

连接线缆 Connection cable

材质 Material	PVC/PU	PVC/PU	PVC/PU	PVC/PU
颜色 Colour	黑色 Black	黑色 Black	黑色 Black	黑色 Black
线径 Cable diameter	Φ5.2mm	Φ5.2mm	Φ5.2mm	Φ5.2mm
芯线 Core wire	4*0.34mm ² (0.2*11)	4*0.34mm ² (0.2*11)	4*0.34mm ² (0.2*11)	4*0.34mm ² (0.2*11)
长度 Length	2m/5m	2m/5m	2m/5m	2m/5m

尺寸图 Dimension



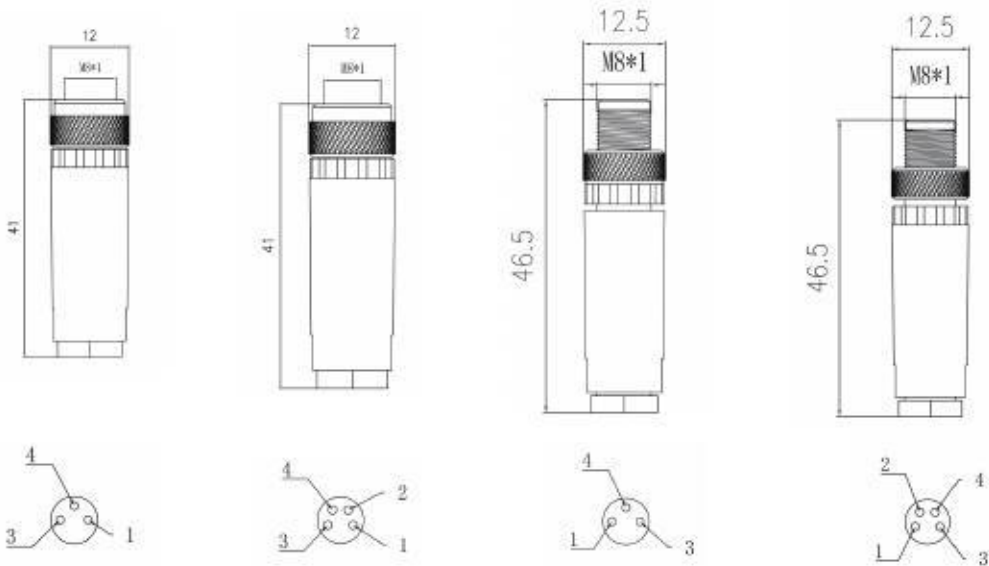
	型号 Item code			
	QE8-N3F	QE8-N4F	QE8-W3F	QE8-W4F



连接器 Connector

工作电压	Operating voltage	60VAC/DC	60VAC/DC	60VAC/DC	60VAC/DC
额定电流	Nominal current	4A	4A	4A	4A
绝缘电阻	Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ
温度范围	Temperature range	-40~+85℃	-40~+85℃	-40~+85℃	-40~+85℃
LED指示	LED Indication	—	—	—	—
外被	Outer covering	PVC	PVC	PVC	PVC
承载材质	Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy
防护等级	Protection degree	IP67	IP67	IP67	IP67
电缆外径	Wirable	4~5mm	4~5mm	4~5mm	4~5mm

尺寸图 Dimension



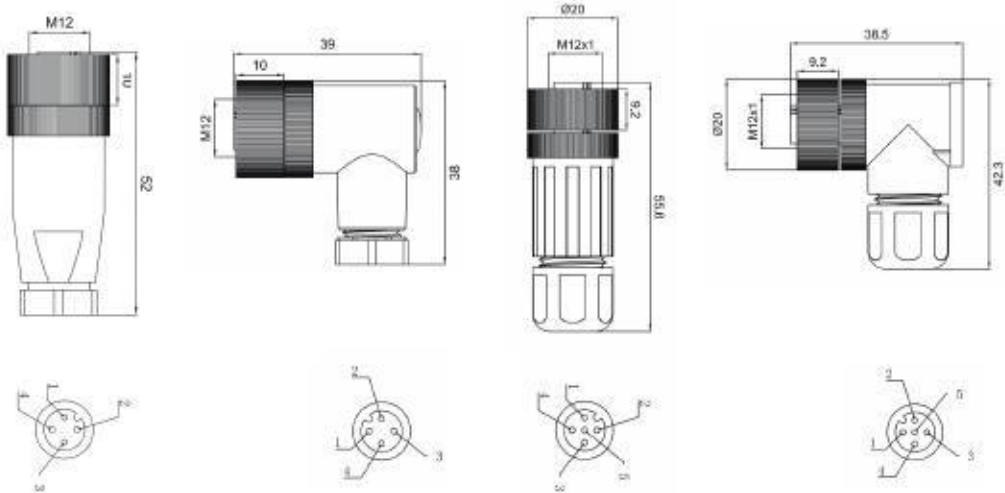
	型号 Item code			
	QE12-N4F	QE12-N4G	QE12-N5F	QE12-N5G



连接器 Connector

工作电压	Operating voltage	250VAC/DC	250VAC/DC	250VAC/DC	250VAC/DC
额定电流	Nominal current	4A	4A	4A	4A
绝缘电阻	Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ
温度范围	Temperature range	-40~+85℃	-40~+85℃	-40~+85℃	-40~+85℃
LED指示	LED Indication	—	—	—	—
外被	Outer covering	PVC	PVC	PVC	PVC
承载材质	Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy
防护等级	Protection degree	IP67	IP67	IP67	IP67
电缆外径	Wireable	4~6mm	4~6mm	4~6mm	4~6mm

尺寸图 Dimension



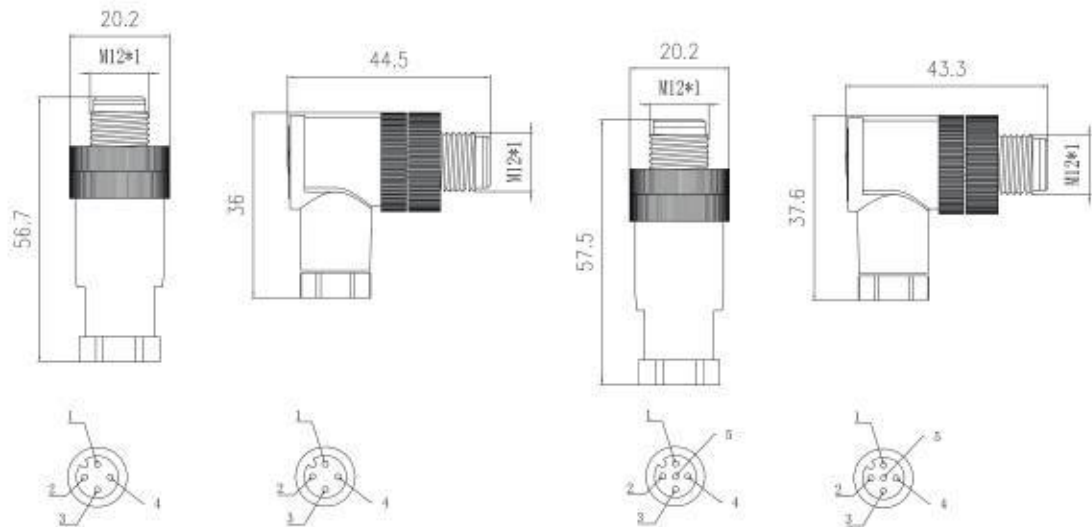
	型号 Item code			
	QE12-W4F	QE12-W4G	QE12-W5F	QE12-W5G



连接器 Connector

工作电压	Operating voltage	250VAC/DC	250VAC/DC	250VAC/DC	250VAC/DC
额定电流	Nominal current	4A	4A	4A	4A
绝缘电阻	Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ
温度范围	Temperature range	-40~+85℃	-40~+85℃	-40~+85℃	-40~+85℃
LED指示	LED Indication	—	—	—	—
外被	Outer covering	PVC	PVC	PVC	PVC
承载材质	Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy
防护等级	Protection degree	IP67	IP67	IP67	IP67
电缆外径	Wirable	4~6mm	4~6mm	4~6mm	4~6mm

尺寸图 Dimension



	型号 Item code	
	DB080403-1-03P	DB080403-1-03N

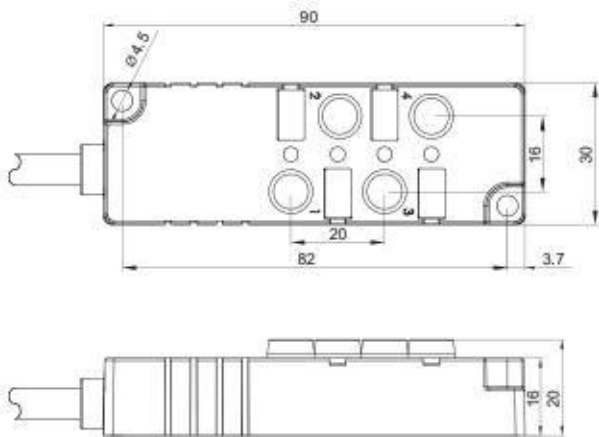


技术参数 Parameters

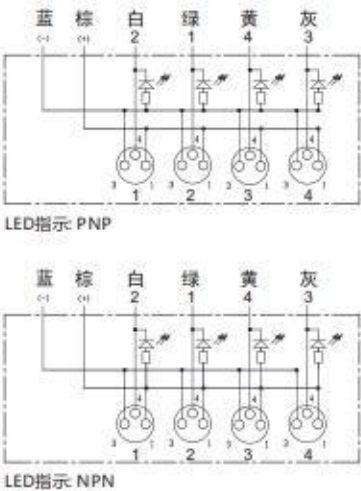
工作电压 Operating voltage	10V-30V	10V-30V
额定电流 Nominal current	2A/Port , 8A/Total	2A/Port , 8A/Total
接触阻抗 Insulation resistance	8mΩ MAX	8mΩ MAX
温度范围 Temperature range	-20℃-+80℃	-20℃-+80℃
输出功能 Output status	常开 NO	常开 NO
输出类型 Output way	PNP	NPN
输出指示 Output indicate	黄色 LED Yellow LED	黄色 LED Yellow LED
连接规格 Connection specification	M8孔端 3芯 M8 port 3-core	M8孔端 3芯 M8 port 3-core
连接方式 Connection type	螺纹M8*1 Threaded M8*1	螺纹M8*1 Threaded M8*1
接口材质 Socket material	磷青铜 镀金 Carobronze/Gold plated	磷青铜 镀金 Carobronze/Gold plated
螺母 Nut	黄铜 镀镍 Cooper/Nickel plated	黄铜 镀镍 Cooper/Nickel plated
O型环 O-ring	FKM/Gold plated	FKM
基座/胶芯 The base/rubber core	PA66+GF	PA66+GF
灌封材质 Potting material	环氧树脂 Ethoxyline resin	环氧树脂 Ethoxyline resin
线缆材质 Cable material	PVC	PVC
标准配线 Standard cable	3m	3m

* 电缆线材料及长度可按客户要求定制 Cable material and length can be customized.

尺寸图 Dimension



电气接线图 Wiring diagram



	型号 Item code	
	DB080803-1-03P	DB080803-1-03N

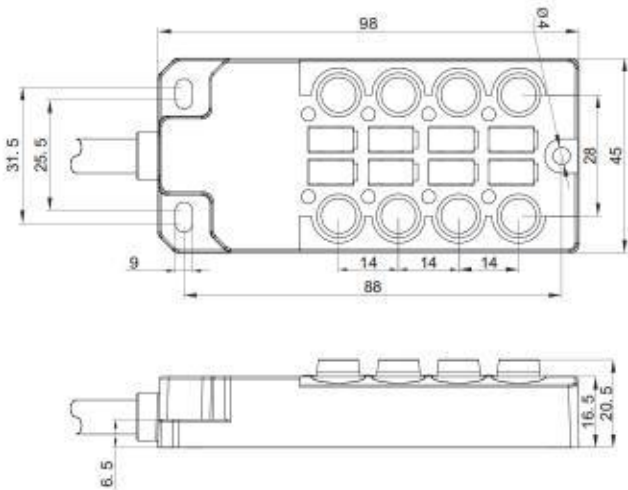


技术参数 Parameters

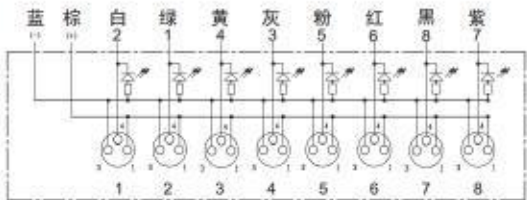
工作电压 Operating voltage	10V-30V	10V-30V
额定电流 Nominal current	2A/Port , 8A/Total	2A/Port , 8A/Total
接触阻抗 Insulation resistance	8mΩ MAX	8mΩ MAX
温度范围 Temperature range	-20℃-+80℃	-20℃-+80℃
输出功能 Output status	常开 NO	常开 NO
输出类型 Output way	PNP	NPN
输出指示 Output indicate	黄色 LED Yellow LED	黄色 LED Yellow LED
连接规格 Connection specification	M8孔端 3芯 M8 port 3-core	M8孔端 3芯 M8 port 3-core
连接方式 Connection type	螺纹M8*1 Threaded M8*1	螺纹M8*1 Threaded M8*1
接口材质 Socket material	磷青铜 镀金 Carobronze/Gold plated	磷青铜 镀金 Carobronze/Gold plated
螺母 Nut	黄铜 镀镍 Cooper/Nickel plated	黄铜 镀镍 Cooper/Nickel plated
O型环 O-ring	FKM/Gold plated	FKM
基座/胶芯 The base/rubber core	PA66+GF	PA66+GF
灌封材质 Potting material	环氧树脂 Ethoxyline resin	环氧树脂 Ethoxyline resin
线缆材质 Cable material	PVC	PVC
标准配线 Standard cable	3m	3m

* 电缆线材料及长度可按客户要求定制 Cable material and length can be customized.

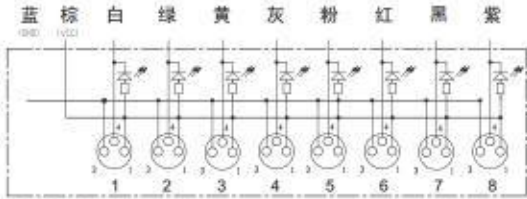
尺寸图 Dimension



电气接线图 Wiring diagram



LED指示: PNP



LED指示: NPN

	型号 Item code	
	DB080803-0-DP	DB080803-0-DN

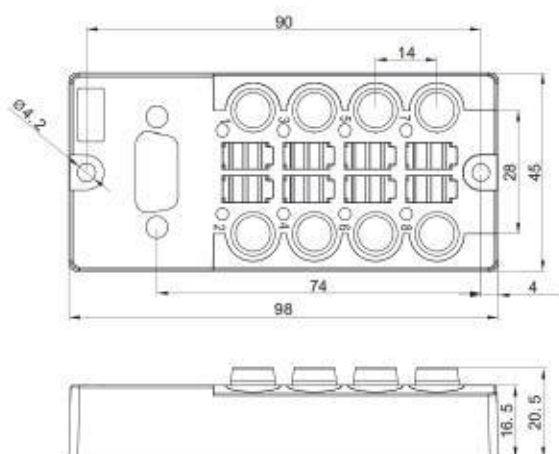


技术参数 Parameters

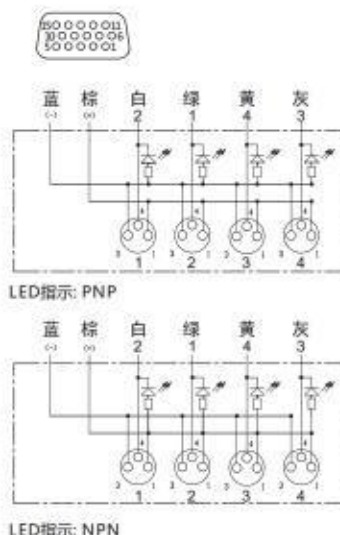
工作电压 Operating voltage	10V-30V	10V-30V
额定电流 Nominal current	2A/Port, 8A/Total	2A/Port, 8A/Total
接触阻抗 Insulation resistance	8mΩ MAX	8mΩ MAX
温度范围 Temperature range	-20°C~+80°C	-20°C~+80°C
输出功能 Output status	常开 NO	常开 NO
输出类型 Output way	PNP	NPN
输出指示 Output indicate	黄色 LED Yellow LED	黄色 LED Yellow LED
连接规格 Connection specification	M8孔端 3芯 M8 port 3-core	M8孔端 3芯 M8 port 3-core
连接方式 Connection type	螺纹M8*1 Threaded M8*1	螺纹M8*1 Threaded M8*1
接口材质 Socket material	磷青铜 镀金 Carobronze/Gold plated	磷青铜 镀金 Carobronze/Gold plated
螺母 Nut	黄铜 镀镍 Cooper/Nickel plated	黄铜 镀镍 Cooper/Nickel plated
O型环 O-ring	FKM/Gold plated	FKM
底座/胶芯 The base/rubber core	PA66+GF	PA66+GF
灌封材质 Potting material	环氧树脂 Ethoxyline resin	环氧树脂 Ethoxyline resin
D-sub D-sub	黄铜 镀金 Cooper/Nickel plated	黄铜 镀金 Cooper/Nickel plated

* 电缆线材料及长度可按客户要求定制 Cable material and length can be customized.

尺寸图 Dimension



电气接线图 Wiring diagram



	型号 Item code	
	DB120804-1-05P	DB120804-1-05N

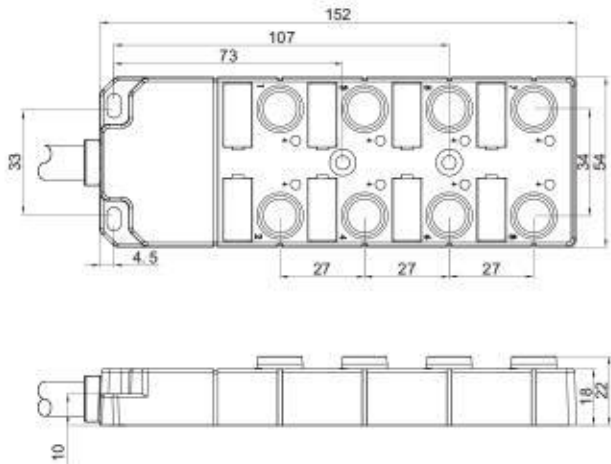


技术参数 Parameters

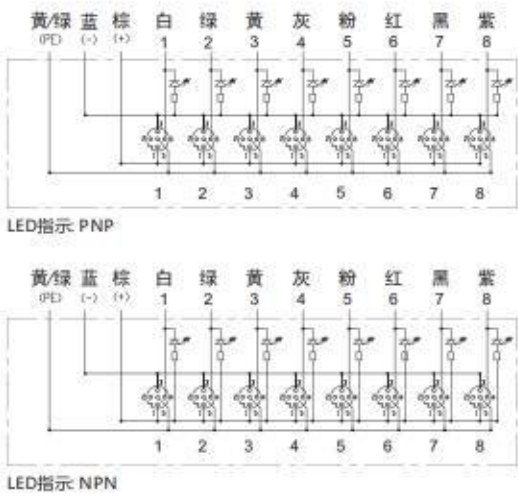
工作电压 Operating voltage	10V-30V	10V-30V
额定电流 Nominal current	4A/Port , 10A/Total	4A/Port , 10A/Total
接触阻抗 Insulation resistance	8mΩ MAX	8mΩ MAX
温度范围 Temperature range	-20℃-+80℃	-20℃-+80℃
输出功能 Output status	常开 NO	常开 NO
输出类型 Output way	PNP	NPN
输出指示 Output indicate	黄色 LED Yellow LED	黄色 LED Yellow LED
连接规格 Connection specification	M12孔端 4芯 M12 port 4-core	M12孔端 4芯 M12 port 4-core
连接方式 Connection type	螺纹M12*1 Threaded M12*1	螺纹M12*1 Threaded M12*1
接口材质 Socket material	磷青铜 镀金 Carobronze/Gold plated	磷青铜 镀金 Carobronze/Gold plated
螺母 Nut	黄铜 镀镍 Cooper/Nickel plated	黄铜 镀镍 Cooper/Nickel plated
O型环 O-ring	FKM/Gold plated	FKM
基座/胶芯 The base/rubber core	PA66+GF	PA66+GF
灌封材质 Potting material	环氧树脂 Ethoxyline resin	环氧树脂 Ethoxyline resin
线缆材质 Cable material	PVC	PVC
标准配线 Standard cable	5m	5m

* 电缆线材料及长度可按客户要求定制 Cable material and length can be customized.

尺寸图 Dimension



电气接线图 Wiring diagram



	型号 Item code	
	DB120805-0-MP	DB120805-0-MN

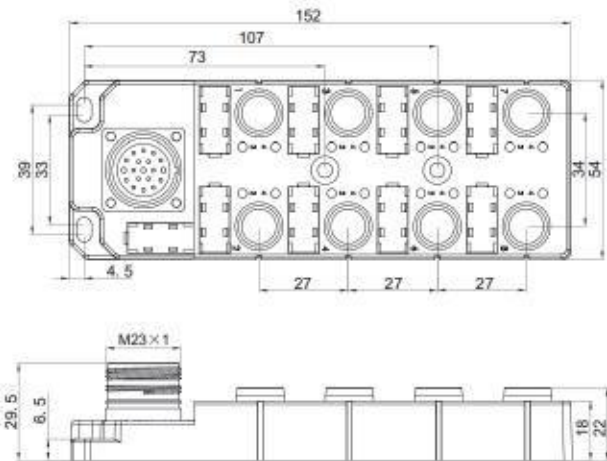


技术参数 Parameters

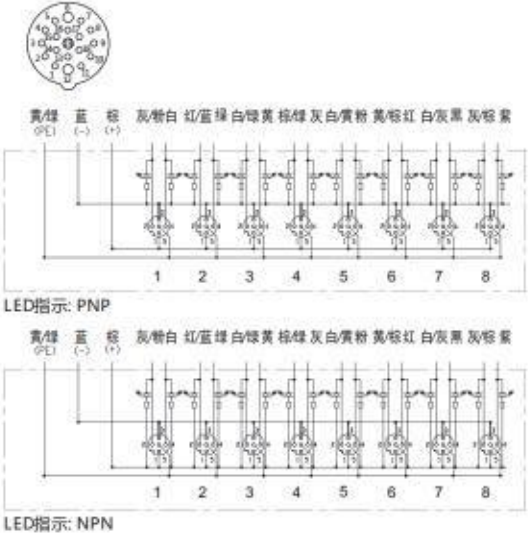
工作电压 Operating voltage	10V-30V	10V-30V
额定电流 Nominal current	4A/Port , 10A/Total	4A/Port , 10A/Total
接触阻抗 Insulation resistance	8mΩ MAX	8mΩ MAX
温度范围 Temperature range	-20℃-+80℃	-20℃-+80℃
输出功能 Output status	常开 NO	常开 NO
输出类型 Output way	PNP	NPN
输出指示 Output indicate	黄色 LED Yellow LED	黄色 LED Yellow LED
连接规格 Connection specification	M12孔端 5芯 M12 port 5-core	M12孔端 5芯 M12 port 5-core
连接方式 Connection type	螺纹M12*1 Threaded M12*1	螺纹M12*1 Threaded M12*1
接口材质 Socket material	磷青铜 镀金 Carobronze/Gold plated	磷青铜 镀金 Carobronze/Gold plated
螺母 Nut	黄铜 镀镍 Cooper/Nickel plated	黄铜 镀镍 Cooper/Nickel plated
O型环 O-ring	FKM/Gold plated	FKM
基座/胶芯 The base/rubber core	PA66+GF	PA66+GF
灌封材质 Potting material	环氧树脂 Ethoxyline resin	环氧树脂 Ethoxyline resin
M23端子 Plug connector M23	黄铜 镀金 Cooper/Nickel plated	黄铜 镀金 Cooper/Nickel plated

* 电缆线材料及长度可按客户要求定制 Cable material and length can be customized.

尺寸图 Dimension



电气接线图 Wiring diagram



	型号 Item code	
	DB120805-1-05P	DB120805-1-05N

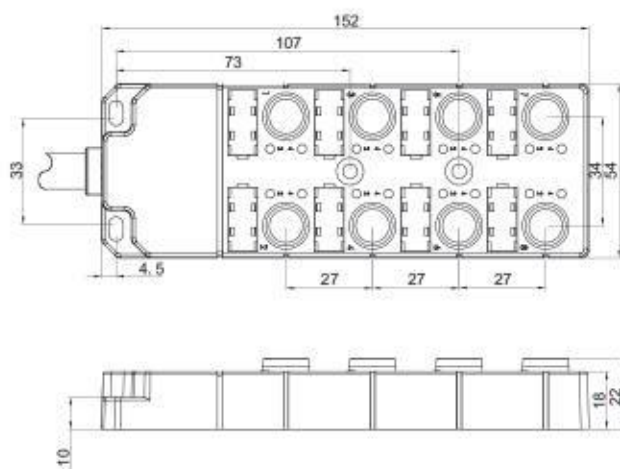


技术参数 Parameters

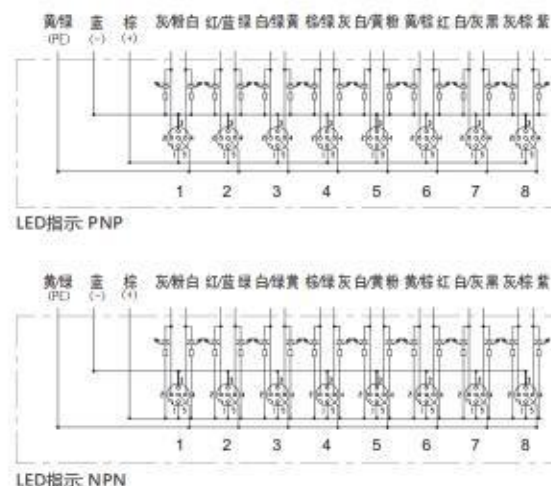
工作电压 Operating voltage	10V-30V	10V-30V
额定电流 Nominal current	4A/Port , 10A/Total	4A/Port , 10A/Total
接触阻抗 Insulation resistance	8mΩ MAX	8mΩ MAX
温度范围 Temperature range	-20℃~+80℃	-20℃~+80℃
输出功能 Output status	常开 NO	常开 NO
输出类型 Output way	PNP	NPN
输出指示 Output indicate	黄色 LED Yellow LED	黄色 LED Yellow LED
连接规格 Connection specification	M12孔端 5芯 M12 port 5-core	M12孔端 5芯 M12 port 5-core
连接方式 Connection type	螺纹M12*1 Threaded M12*1	螺纹M12*1 Threaded M12*1
接口材质 Socket material	磷青铜 镀金 Carobronze/Gold plated	磷青铜 镀金 Carobronze/Gold plated
螺母 Nut	黄铜 镀镍 Cooper/Nickel plated	黄铜 镀镍 Cooper/Nickel plated
O型环 O-ring	FKM/Gold plated	FKM
基座/胶芯 The base/rubber core	PA66+GF	PA66+GF
灌封材质 Potting material	环氧树脂 Ethoxyline resin	环氧树脂 Ethoxyline resin
线缆材质 Cable material	PVC	PVC
标准配线 Standard cable	5m	5m

* 电缆线材料及长度可按客户要求定制 Cable material and length can be customized.

尺寸图 Dimension



电气接线图 Wiring diagram



	型号 Item code	
	DB120804-0-MP	DB120804-0-MN

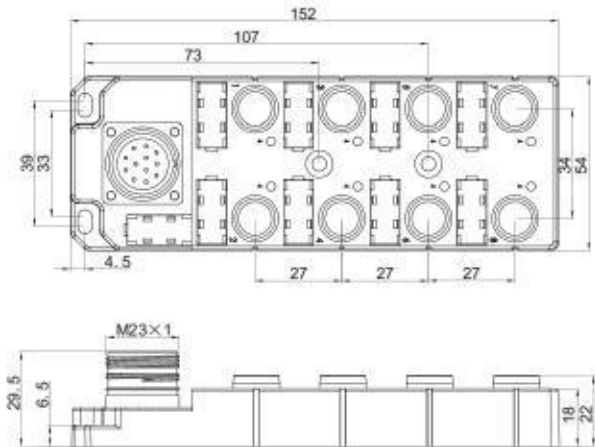


技术参数 Parameters

工作电压 Operating voltage	10V-30V	10V-30V
额定电流 Nominal current	4A/Port , 10A/Total	4A/Port , 10A/Total
接触阻抗 Insulation resistance	8mΩ MAX	8mΩ MAX
温度范围 Temperature range	-20℃-+80℃	-20℃-+80℃
输出功能 Output status	常开 NO	常开 NO
输出类型 Output way	PNP	NPN
输出指示 Output indicate	黄色 LED Yellow LED	黄色 LED Yellow LED
连接规格 Connection specification	M12孔端 4芯 M12 port 4-core	M12孔端 4芯 M12 port 4-core
连接方式 Connection type	螺纹M12*1 Threaded M12*1	螺纹M12*1 Threaded M12*1
接口材质 Socket material	磷青铜 镀金 Carobronze/Gold plated	磷青铜 镀金 Carobronze/Gold plated
螺母 Nut	黄铜 镀镍 Cooper/Nickel plated	黄铜 镀镍 Cooper/Nickel plated
O型环 O-ring	FKM/Gold plated	FKM
基座/胶芯 The base/rubber core	PA66+GF	PA66+GF
灌封材质 Potting material	环氧树脂 Ethoxyline resin	环氧树脂 Ethoxyline resin
M23端子 Plug connector M23	黄铜 镀金 Cooper/Nickel plated	黄铜 镀金 Cooper/Nickel plated

* 电缆线材料及长度可按客户要求定制 Cable material and length can be customized.

尺寸图 Dimension



电气接线图 Wiring diagram





着眼 大市场、高科技产品

建设国内一流、国际知名的大型综合性传感器及工业自动化产业集团

Focus on big market, high-tech products

To build a domestic first-class, internationally renowned large-scale comprehensive sensor and industrial automation industry group

近二十年的拼搏使兰宝得以持续稳定地发展，
完成了一个中国传感器企业由小到大、由弱到强，并迅速走向世界的嬗变。
兰宝愿与国内外同行携手合作，共同为全球客户提供优质的产品和服务，
持续为客户创造最大的价值。

More than 20 years of hard working has enabled Lanbao to develop continuously and stably, it has completed the transformation of a Chinese sensor company from small to large, from weak to strong, and rapidly moving towards the world.

Lanbao is willing to cooperate with domestic and foreign counterparts to provide high-quality products and services to global customers, continue to create maximum value for customers.

以品质为生命 / 求技术为发展 / 视客户为上帝

Quality Priority/ Technology Supreme/ Customer First



服务热线 Hotline **800-820-8259**
www.shlanbao.cn
www.lanbaosensor.com

上海兰宝传感科技股份有限公司
Shanghai Lanbao Sensing Technology Co., Ltd.

地址：上海市奉贤区金汇工业园金碧路228号（兰宝科技园）
邮编：201404
电话：021-57486188
传真：021-57486199
邮箱：market@shlanbao.cn

Add: No.228 Jinbi Road, Jinhui Industrial Park,
Fengxian Area, Shanghai, China 201404
Tel: 86-21-57486188
Fax: 86-21-57486199
E-mail: market@shlanbao.cn

