

产品规格书

Specification

产品型号: SEN-DJZ 系列

产品名称(product name)/: 气缸磁性传感器(cylinder magnetic sensor)

产品型号(item no.)/: SEN-DJZ series

客户承认栏 customer approve

(请签名加盖部门章并回传)(please send back with signing and stamping)

研 发 R&D	品 管 QA	采 购 PUR

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产品规格书 (Specification)

产品名称 (product name)

气缸磁性传感器 (cylinder magnetic sensor)

产品使用说明 Product instructions

- 1、本产品规格书描述了(型号 SEN-DJZ 系列)接近开关的规格。

This product specification describes the specification of the (model SEN-DJZ series) proximity switch.

本产品应用范围/Application:

机器人工业/Robot Industry 汽车工业/Automobile Industry

机械设备/mechanical equipment 工业自动化/industrial automation

印刷业/Printing industry 化工业/chemical industry

纺织业/textile industry

需要气缸活动配合的工业行业。

Industries that require cylinder activities.

- 2、使用本磁性开关时，电压、电流和触电容量应避免超出使用范围。

When using this magnetic switch, the voltage, current and electric shock capacity should be avoided beyond the use range.

- 3、严禁磁性开关与电源直接接通，必须同负载（如继电器等）串联使用，且负载决不能短路，以免开关烧毁。

It is strictly prohibited to switch magnetic to the power supply directly, it must be used in series with the load (such as relay, etc.), and the load must not be short circuit, to avoid the switch burning.

- 4、请避免在有强磁场，大电流的环境使用磁性开关。

Please avoid using magnetic switches in environments with a strong magnetic field and a high current.

- 5、从安全考虑，两个磁性开关的间距应比磁滞距离大 3mm。

From safety considerations, the spacing between the two magnetic switches should be 3mm larger than the hysteresis distance.

6、两个以上气缸磁性开关平行使用时，为防止磁性体移动的相互干扰，影响检测精度，两缸筒间距离一般应大于 40mm。

Two or more cylinder magnetic switches are used in parallel, in order to prevent the magnetic body movement interference, affect the detection Accuracy, the distance between two cylinders should be greater than 40mm..

7、安装开关时拧紧螺钉的力矩要适当。力矩过大会损坏开关，力矩太小有可能使开关的安装位置出现偏移。

Tighten the screw torque properly when installing the switch. Excessive torque will damage the switch, and too small torque may shift the installation position of the switch.

8、要定期检查磁性开关的安装位置是否出现偏移,可标记安装固定好的位置。

To regularly check the installation position of the magnetic switch for deviation, you can mark the installation fixed position.

9、安装时，不得让开关受过大的冲击力，如将开关打入、抛扔等。

When installing, do not let the switch received a large impact, such as the switch into, throwing, etc.

10、本磁性开关严禁用于有爆炸性、可燃性气体的环境中。

This magnetic switch is strictly prohibited in an environment with explosive and combustible gases.

11、安装好接近开关后切勿拉拽接近开关引线，防止损坏本接近开关。

Do not pull the approach switch lead after installing the proximity switch to prevent damage to the proximity switch.

12、磁性开关周围不得有切削末、焊渣等铁粉存在；若堆积在开关上，会使开关的磁力减弱、甚至失效。

No iron powder such as cutting end and welding slag exists around the magnetic switch; if accumulated on the switch, the magnetic force of the switch will weaken or even fail.

13、负载电压和大负载电流不要超过磁性开关的大允许容量，否则其寿命会大大降低。

The load voltage and large load current shall not exceed the large allowable capacity of the magnetic switch, otherwise its life will be greatly reduced.

14、本磁性开关配合气缸使用时，气缸磁环的活动行程应大于磁性开关的动作范围。

When the magnetic switch is used with the cylinder, the movement stroke of the magnetic ring of the cylinder should be greater than the action range of the magnetic switch.

15、多个开关串联使用时，由于每个发光二极管都有内部压降，故开关吸合时的负载电压是电源电压减去各开关的内部压降之和。若负载电压低于负载的低动作电压，即便开关动作，负载也可能不动作。

When multiple switches are used in series, because each light-emitting diode has an internal pressure drop, so the load voltage when the switch absorbs is the sum of the power supply voltage minus the internal voltage drop of each switch. If the load voltage is lower than the low action voltage of the load, the load may not operate even if the switch moves.

16、为了使磁性开关长期稳定工作，请定期进行维护保养，包括磁性开关安装位置是否移动或松动，接线和连接部件是否接触不良，是否有金属粉尘粘附。

In order to make the magnetic switch work stable for a long time, please conduct regular maintenance, including whether the installation position of the magnetic switch is moved or loose, whether the wiring and connecting parts are poorly contacted, and whether there is metal dust adhesion.

17、不要把连接导线、动力线（如电动机等）和高压线并在一起。

Do not combine connecting wires, power lines (such as motor, etc.) and high voltage lines.

18、请勿擅自拆解本磁性开关以防损坏，凡是擅自拆解过的磁性开关的均不在保修范围之列。

Do not disassembly the magnetic switch without authorization to prevent damage. All the magnetic switches that have ever been dismantled without authorization are not included in the warranty scope.

产品规格书 (Specification)

产品名称(product name)

气缸磁性传感器(cylinder magnetic sensor)

产品性能及电气参数 Product performance and electrical parameters

1. 工作原理: 与气缸配合安装使用, 通过磁感应输出开关信号。

Working principle: Install it with the cylinder and output the switch signal with magnetic induction.

2. 技术参数: (Electrical parameter)

产品名称(product name):	气缸磁性传感器(cylinder magnetic sensor)
外形 (Appearance shape):	J 型 (H type)
安装方式 (way to install):	螺丝固定 (screw fixing)
型号 (model)	SEN-DJZD
项目 (project)	A: (DMSJ)
开关逻辑 (Switch logic):	电子式 (Electronic formula)
输出接点型式: (Output contact type):	晶体管 (Transistor)
额定使用电压范围: (Rated use voltage range):	DC12V-24V
接点容量 (Contact rating):	1.5W max
最大开关电流: (Maximum switch current):	50mA max
消耗电流: (Consumption of current):	-
内部电压降: (Internal drop):	3.5V max
泄漏电流: (Leakage current):	0.1mA(40uA) max
指示灯颜色: (Indicator light color):	红色 LED (Red LED)
最大切换工作频率: (Maximum switching operating frequency):	1000HZ
感应磁场强度: (Induction magnetic field strength):	60 Gs

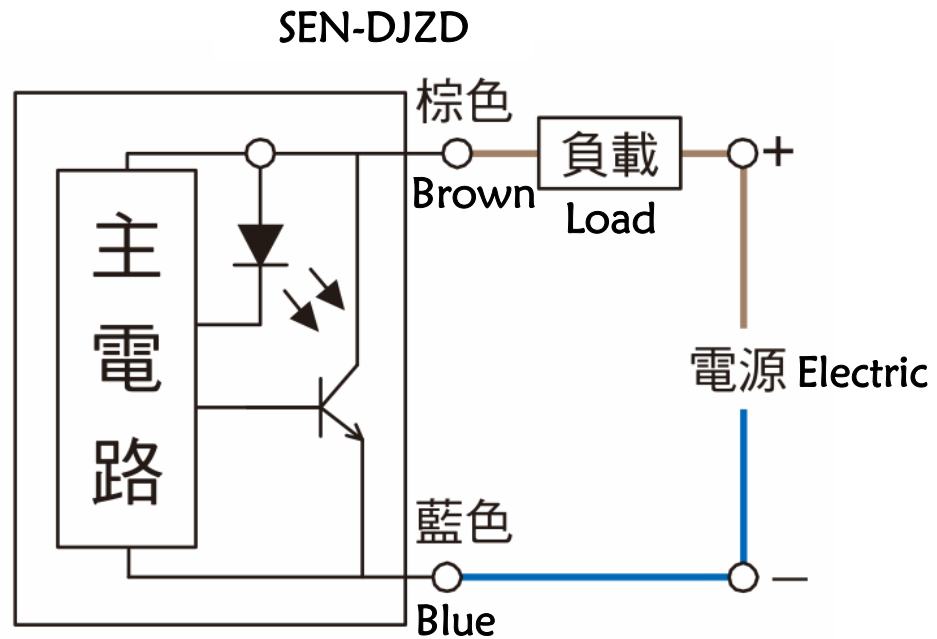


耐冲击 (Resistant to hit):	50 G
耐振动 (Anti vibration):	9 G
使用温度范围: (Use the temperature range):	-10-70℃
保护结构等级 (Protection loop):	IP65

产品规格书 (Specification)

产品名称 (product name) 气缸磁性传感器 (cylinder magnetic sensor)

推荐接线方式 Recommended wiring method

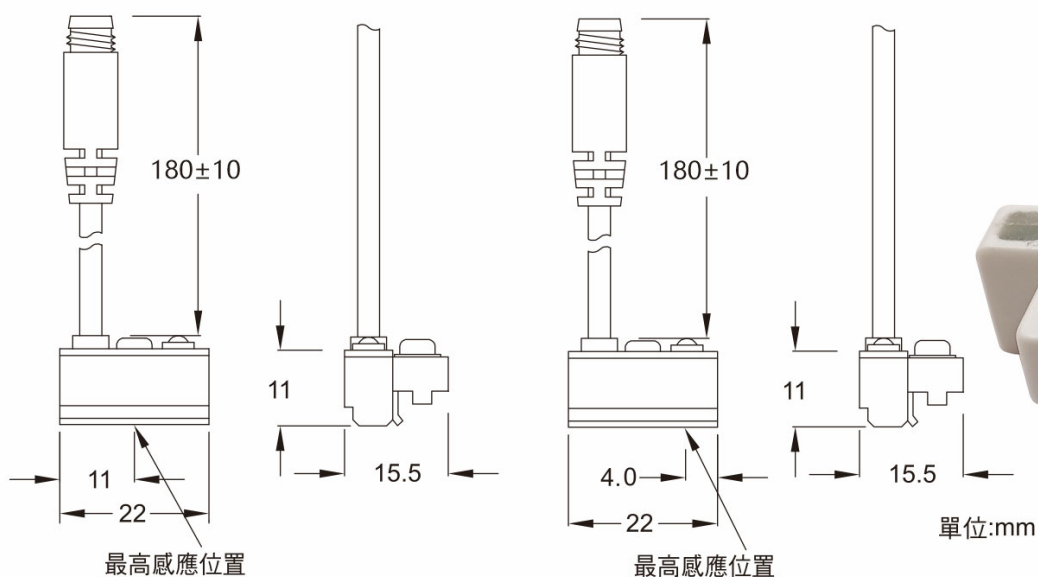


产品规格书 (Specification)

产品名称 (product name)

气缸磁性传感器 (cylinder magnetic sensor)

产品图纸 Product drawing



沟槽尺寸图 Ditch size diagram

