

液位传感器 *Level sensors*



EUROSWITCH



EUROSWITCH

液位传感器

Level sensors

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36	P915 可拆卸油桶专用电磁液位传感器 <i>Electromagnetic level sensor for extraible tank</i>
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38	P28 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
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40	P40 温控电磁液位传感器 <i>Electromagnetic level sensor with thermostat</i>
41	PT40 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
42	P30 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
43	P31 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
44	P32 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
45	P33 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
46	P34 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
47	P35 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
48	PG30 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
49	P300 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
50	PK 组合式电磁液位传感器 <i>Modular componible electromagnetic level sensor</i>
51	PKT 温控电磁液位传感器+温度传感器 <i>Electromagnetic level sensor with thermostat</i>
52	P39 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
53	PT 温控电磁液位传感器+温度开关 <i>Electromagnetic level sensor with thermostat</i>
54	PN 电磁液位传感器+温度传感器 <i>Electromagnetic level sensor with NTC</i>
55	IMP 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
56	IMG 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
57	IMF 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
58	IMPG 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>

位置传感器
Position sensors

流量传感器
Flow sensors

59	P38 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
60	IMS 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
61	IMDEx 磁浮子液位传感器 / <i>Electromagnetic level sensor</i>
62	APO940 重型操作电磁液位传感器 <i>Electromagnetic level sensor for heavy-duty operations</i>
63	AP1300 重型操作电磁液位传感器 <i>Electromagnetic level sensor for heavy-duty operations</i>
64	IMM 组合式电磁液位传感器 / <i>Modular electromagnetic level sensor</i>
65	IMK 组合式电磁液位传感器 <i>Modular componible electromagnetic level sensor</i>
66	SOM SRM 机电储备传感器 / <i>Electromechanical reserve level sensor</i>
67	SOG SRG 机电储备传感器 / <i>Electromechanical reserve level sensor</i>
68	SRE 带稳定区的机电储备传感器 <i>Electromechanical reserve level sensor with stabilized room</i>
69	IMR 电磁电阻液位传感器 / <i>Resistive electromagnetic level sensor</i>
70	IMRT 电磁电阻液位传感器 / <i>Resistive electromagnetic level sensor</i>
71	IMRB 电磁电阻液位传感器 / <i>Resistive electromagnetic level sensor</i>
72	IMRI 电磁电阻液位传感器 / <i>Resistive electromagnetic level sensor</i>
73	IMRC 电磁电阻液位传感器 / <i>Resistive electromagnetic level sensor</i>
74	AP1937 电磁电阻液位传感器 / <i>Resistive electromagnetic level sensor</i>
75	IMRE 模拟 4-20 mA 传感器 / <i>Analogic 4-20 mA level sensor</i>
76	IMRF 模拟 4-20 mA 传感器 / <i>Analogic 4-20 mA level sensor</i>
77	P930 簧片传感器 / <i>Reed position sensors</i>
78	P900 簧片传感器 / <i>Reed position sensors</i>
79	P915 P920 簧片传感器 / <i>Reed position sensors</i>
80	I930 I935 簧片传感器 / <i>Reed position sensors</i>
81	PR121 流量测量传感器 / <i>Flow measurement sensor for liquids</i>
82	PRJ015 流量测量传感器 / <i>Flow measurement sensor for liquids</i>

认证
Certifications



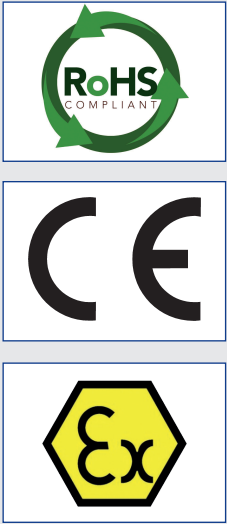
质量管理体系认证UNI EN ISO 9001-2008 (ISO 9001-2008)
Quality Management System UNI EN ISO 9001-2008 (ISO 9001-2008)



质量管理体系认证UNI EN ISO 14001-2004 (ISO 14001-2004)
Quality Management System UNI EN ISO 14001-2004 (ISO 14001-2004)



ATEX 认证
ATEX Certification



简介

Introduction

简介

我们设计和制造的液位传感器具备开/关、SPDT和连续性信号。如需进一步了解，请参阅本产品目录中的“工作原理”部分。如果您有任何疑问，或想了解更多有关我们产品的信息，请联系我们的销售人员或工程部。

先导控制电力负载

请参考说明书了解各传感器系列中触点的电器特性。请参考电阻负载，了解最大可导向电荷。借助非电阻负载，就可以用适当的保护电路，合理地保护触点（见第11 - 12页）。

冲击与振动

如果受到冲击或过度振动，传感器触点可能会损坏。

电磁干扰

由于电磁模型中的触点是由磁力控制的，电动机或荧光灯等传感器不得安装在强磁场附近区域或距铁磁墙50毫米的范围内。

CE 标志

我们的产品是根据适用的欧盟规定和条例设计的，并基于以下分类贴有不同的CE标志：

a) 交流50-1000v和直流75-1500v的电源电压下所用电气设备和仪器。

它们符合以下规定：

- EC 2006/95（DBT-低电压规定）、EN 60730-1及相关附件二；
- EC 2004/108（EMC-电磁兼容性规定）、EN 60730-1标准及相关附件二；

b) 交流50v和直流75v下所用电气设备和仪器。

它们符合以下指令：

- EC 2004/108（EMC-电磁兼容性规定）、EN 60730-1标准及相关附件二；

在我们工厂可以看到上述条令规定的符合性声明。

Introduction

We design and manufacture level gauges with an on/off signal, SPDT and a continuous signal. For further details, refer to the section entitled Operating Principles in this catalogue. If you have any queries or wish to know more about our products, please contact our Sales or Engineering Department.

Piloted electrical load

The electrical features of the contacts are shown in the specifications for each series of sensors. The maximum pilotable charges refer to resistive loads. With non-resistive loads, it is advisable to protect the contact with appropriate safety circuits (see pages 11-12).

Shock and vibration

The contact of the sensor may get damaged if subjected to shock or excessive vibration.

Electromagnetic interference

In electromagnetic models, since the contact is operated by a magnetic force, the sensor must not be installed near strong magnetic fields, e.g. an electric motor or fluorescent light, or less than 50 mm from ferromagnetic walls.

CE Marking

Our products have been designed in compliance with the applicable EC

Directives and Regulations and bear the CE mark based on the following classification:

a) Electrical devices and apparatus used at a mains voltage of 50-1000V AC and 75-1500V DC.

They comply with the following directives:

- EC 2006/95 (DBT - Low-Voltage Directive) and EN 60730-1 and relevant parts II;

- EC 2004/108 (EMC-Electro-Magnetic Compatibility Directive) and EN 60730-1 standards and relevant parts II;

b) Electrical devices and apparatus used at 50V AC and 75V DC.

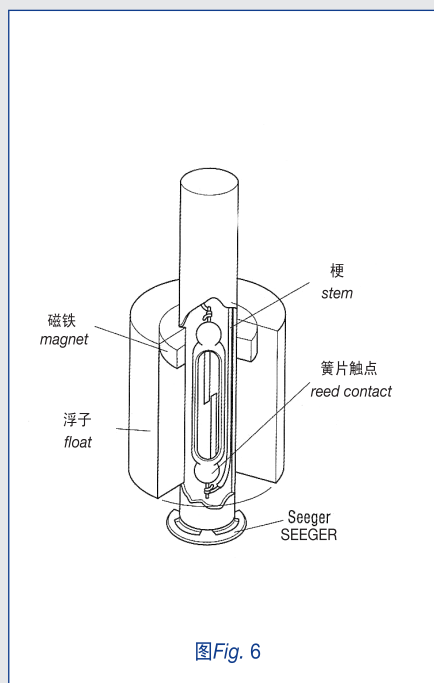
They comply with the following directives:

- EC 2004/108 (EMC - Electro-Magnetic Compatibility Directive) and EN 60730-1 standards and relevant parts II.

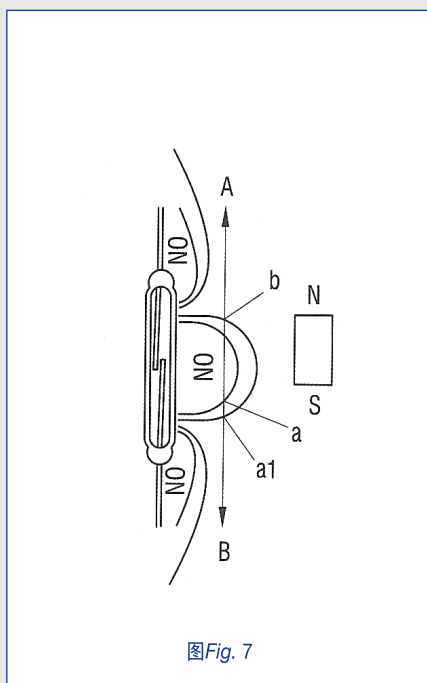
The Declarations of Conformity prescribed by the above Directives are available at our premises.

工作原理

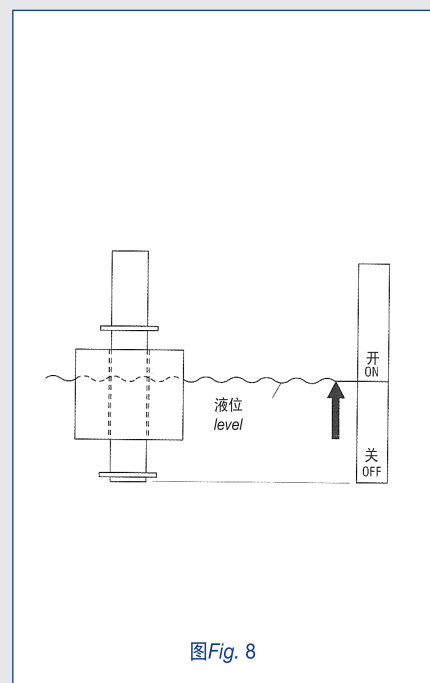
Operating principles



图Fig. 6



图Fig. 7



图Fig. 8

电磁液位计的工作原理

电磁液位计利用浮子中磁铁的力量改变簧片开关的开闭状态。

图6所示为一个垂直动作的电磁液位计的零部件。

图7和图8所示为一个带常开触点的指示器。当液位升高时，浮子从B移向A。一旦浮子中的磁铁到达A点，触点立即关闭。浮子的运动通常受到一个机械制动器的限制。如果磁铁经过B点时没有停止，触点会返回其原始位置。

当液位下降时，浮子从A移向B，一旦磁铁到达A1点，触点立即打开。

A点和A1点之间产生的差值称为液位差或迟滞。通常此差值非常小，但如有必要，可以利用特殊触点增大此压差。通常倒置浮子足以使一个触点从常开状态切换到常闭状态或从常闭状态切换到常开状态。

Operating principle electromagnetic level gauges

Electromagnetic level gauges use the force of a magnet in the float to change the electrical status of a reed switch.

Figure 6 shows the components of an electromagnetic level gauge that operates vertically.

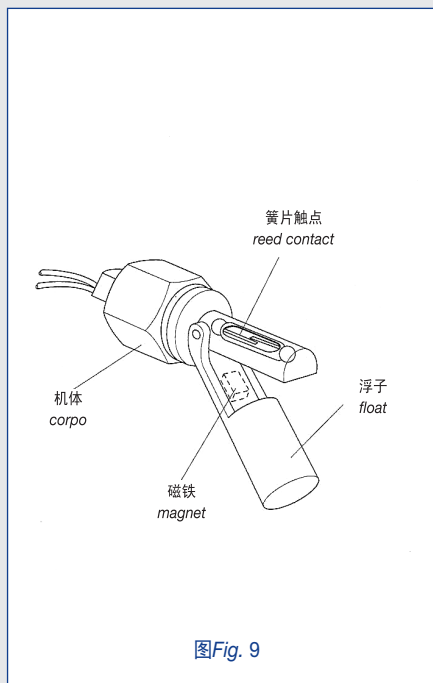
Figures 7 and 8 show an indicator with a normally-open contact. When the level of fluid increases, the float moves from B towards A. As soon as the magnet in the float reaches point A, the contact closes. The movement of the float is normally limited by a mechanical stop. If there is no stop, the contact returns to its original position when the magnet passes point B.

When the level of fluid drops, the float moves from A towards B, and as soon as the magnet reaches point A1 the contact opens.

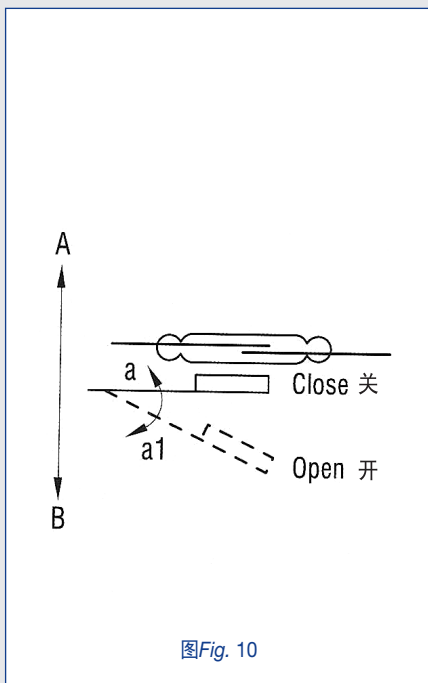
The difference between points A and A1 is called the differential, or hysteresis, of the contact. This differential is normally very small, but it can be increased if necessary using special contacts. To switch a contact from NO to NC or vice versa, it is usually enough to invert the float.

工作原理

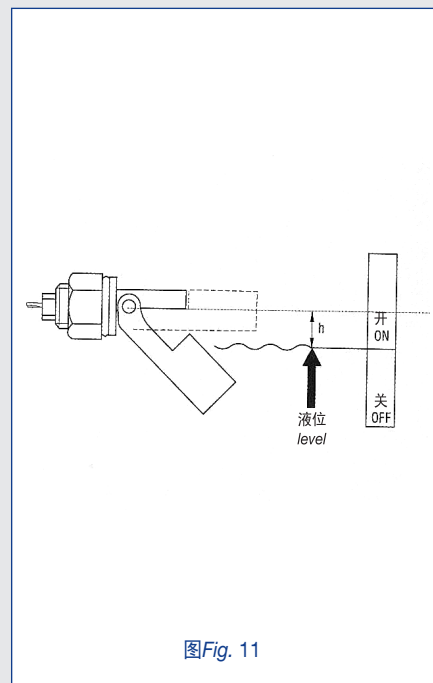
Operating principles



图Fig. 9



图Fig. 10



图Fig. 11

带摆动浮子的电磁液位计的工作原理

带摆动浮子的电磁液位计利用浮子中的磁铁改变簧片开关的开关状态。

图9所示为带水平动作摆动浮子的电磁液位计的零部件。

图10和图11所示为一个常开触点。当液位升高时，浮子从B移向A。一旦浮子中的磁铁到达A点，触点立即关闭。当液位下降时，浮子从A移向B，一旦磁铁到达A1点，触点立即打开。

A点和A1点之间的差值称为触点的液位差或迟滞。只需将传感器旋转180°，就可将一个触点从常开状态切换到常闭状态或从常闭状态切换到常开状态。

Operating principle of electromagnetic level gauges with rocking float

Electromagnetic level gauges with a rocking float use the force of a magnet in the float to change the electrical status of a reed switch.

Figure 9 shows the components of an electromagnetic level gauge with a rocking float that operates horizontally.

Figures 10 and 11 show a normally-open contact. When the level of fluid increases, the float moves from B towards A. As soon as the magnet in the float reaches point A, the contact closes. When the level of fluid drops, the float moves from A towards B, and as soon as the magnet reaches point a1 the contact opens.

The difference between points a and a1 is called the differential, or hysteresis, of the contact. To switch a contact from NO to NC or vice versa, merely rotate the sensor 180°.

液位传感器保护电路负载的工作原理

Euroswitch磁浮子液位传感器的设计适用于多重负载条件，并具有不同的吸合选项。
然而，为了维持电磁触点的寿命和可靠性特征，必须利用适当的保护电路保护其在特定负载下不发生过压或过流。
下图所示为常用触点保护连接及有关计算公式。

电感负载

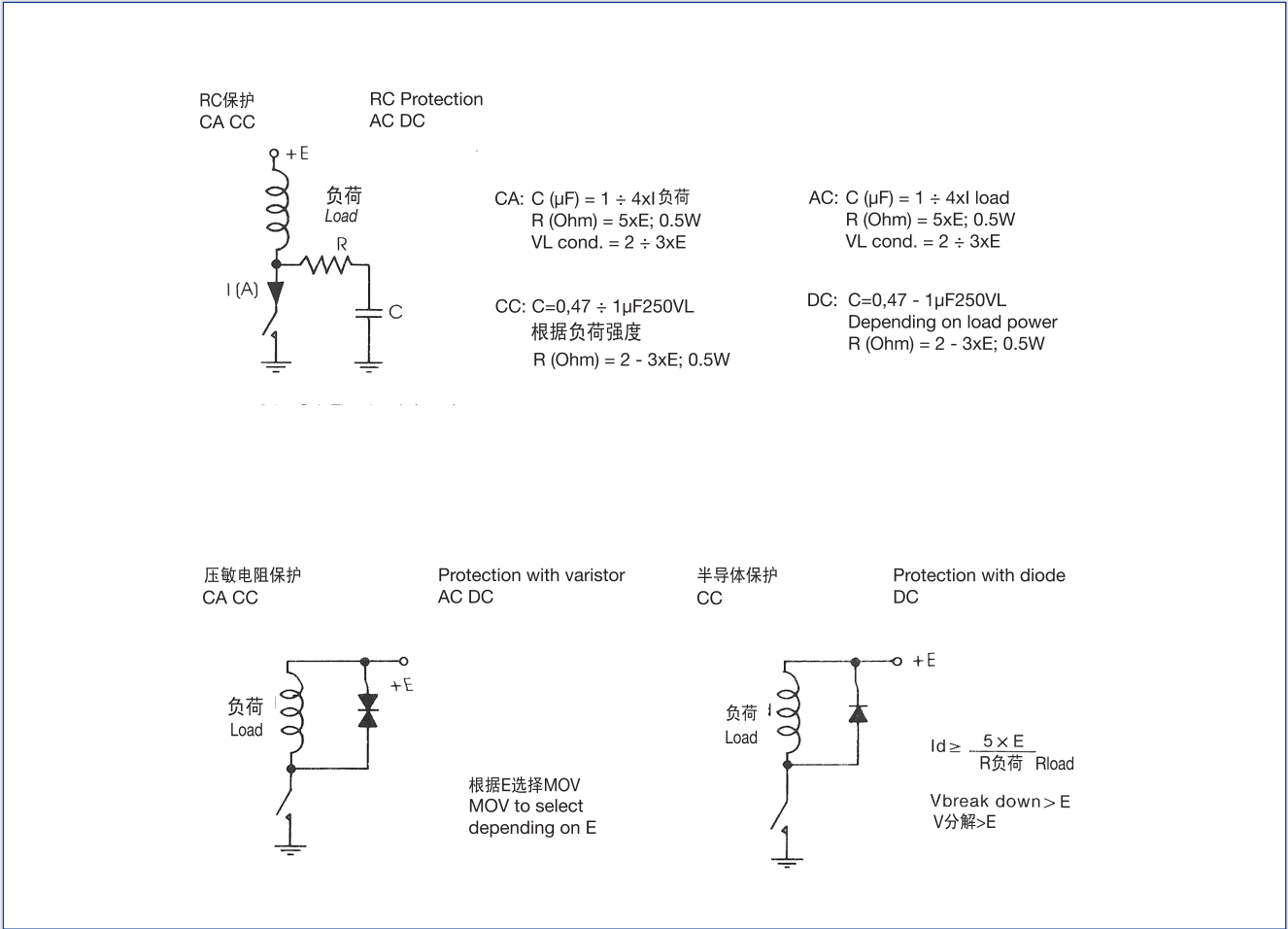
有了电感负载，就会出现有可能毁坏簧片触点的反向过压。可以利用不同的保护电路避免这些问题。

Operating principle of protection circuit loads of level sensors

Euroswitch magnetic sensors have been designed for use in multiple load conditions and with different actuation options. However, in order to maintain the life and reliability features, the magnetic contact must be protected against excessive voltage or current in the presence of specific loads,using appropriate protection circuits.
The diagrams below show the connections of the contact protections normally used and the relevant calculation formulae.

Inductive load

With inductive load, there may be reverse overvoltage that may deteriorate the reed contact. Different protection circuits can be used to avoid these problems.



工作原理

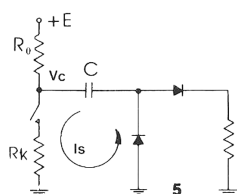
Operating principles

电容性负载

若平行金属板串联一个电容器，当环路中的簧片吸合时，开关过程中，电容器的充电和放电电流有可能毁坏簧片触点。必需用适当规格的电阻限制此电流。

Capacitive load

In the case of a capacitor with in-series on parallel metal plate, when the reed is actuated in a loop circuit, the charging and discharging currents of the capacitors may deteriorate the reed contact during switching. Correctly dimensioned resistances are required to limit these currents.



$$R_k > \frac{V_c}{I_s}$$

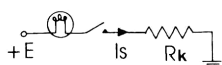
I_s = 簧片可切换的最大电流
 I_s = max current that can be actuated from the reed

交流和直流白炽灯

如果簧片用于开关白炽灯，则遇到的问题与电容性负载相同，都是由于存在过大的吸合电流而造成的。因此，有必要使用触点串联限流电阻。

AC and DC incandescent lamps

If the reed is used to actuate incandescent lamps, the problems encountered are the same as for a capacitive load due to the presence of excessive pickup currents. An in-series limit resistance to contact is thus required.



$$R_k > \frac{E}{I_s}$$

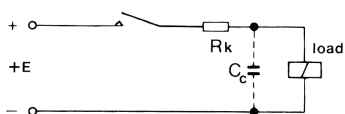
I_s = 簧片可切换的最大电流
 I_s = max current that can be actuated from the reed

电容电缆

当簧片用于遥控吸合使用较长电缆的负载时，电缆电容被用作一个电容性负载，此负载在开关过程中可造成过流。必需使用限流电阻降低此电流。

Capacitive cable

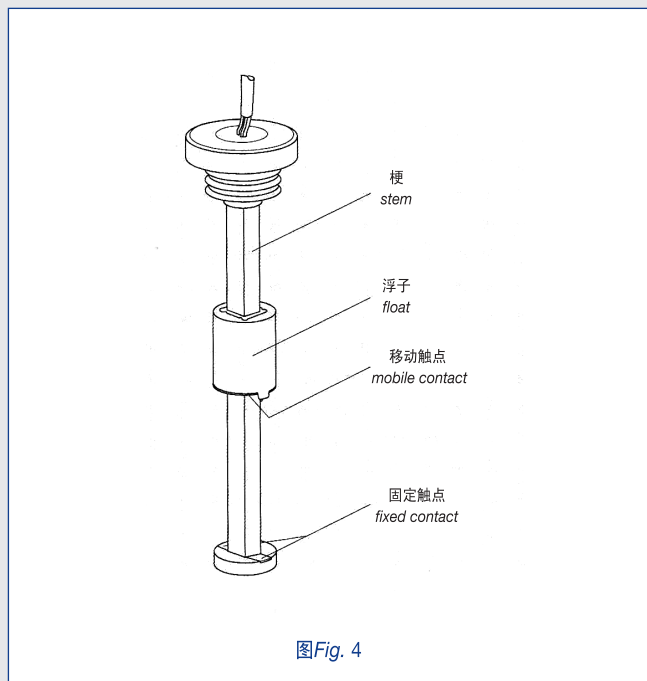
When the reed is used to actuate loads remotely with very long cables, the cable capacitance acts as a capacitive load causing excessive currents during switching. Limit resistances are required to reduce these currents.



C_c = 电缆负荷能力
 C_c = cable loading capacity

$$R_k \approx 2 \times E \text{ (Ohm)}$$

注：长度在10米以内的电缆的影响微不足道。
 the effects due to cables of less than 10 meters are insignificant



图Fig. 4

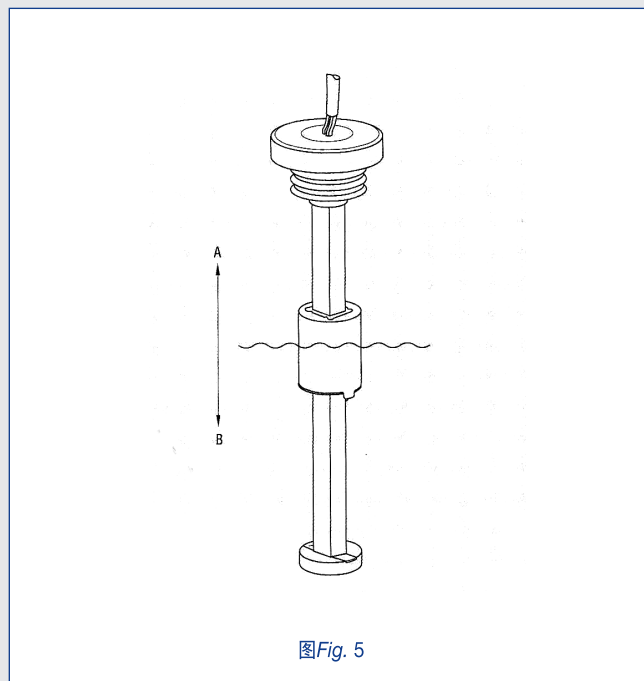
机电传感器的工作原理

图4所示为机电传感器的零部件。

机电传感器利用浮子底部的触点短路连杆下端（图5）的固定触点，从而点亮指示灯。

点亮时，可以利用任意电子装置检查备用指示灯几秒钟。正常操作期间，引入一个继电器，以防车辆前进或转动时光线闪烁。

这些价格极其低廉的传感器旨在显示含石油或燃料等绝缘流体的小罐中的储液水平。



图Fig. 5

Operating principle electromechanical level gauges

Figure 4 shows the components of an electromechanical level gauge.

The electromechanical sensors use the contact at the bottom of the float to shortcircuit the fixed contact on the lower end of the stem (Fig. 5), and this switches on the light.

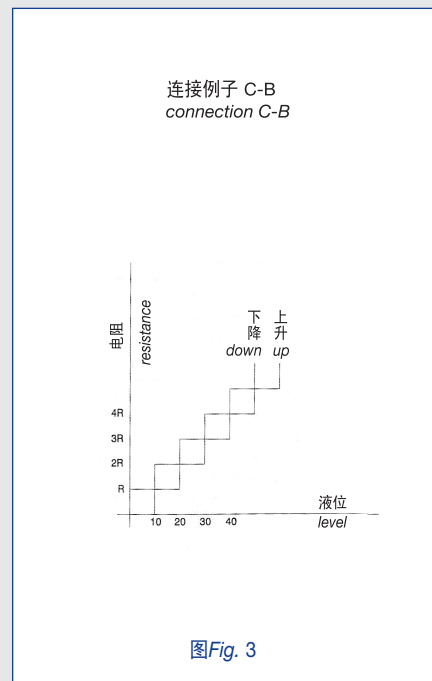
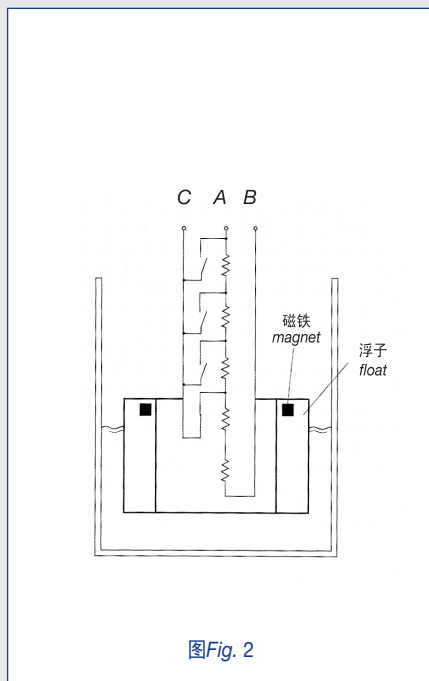
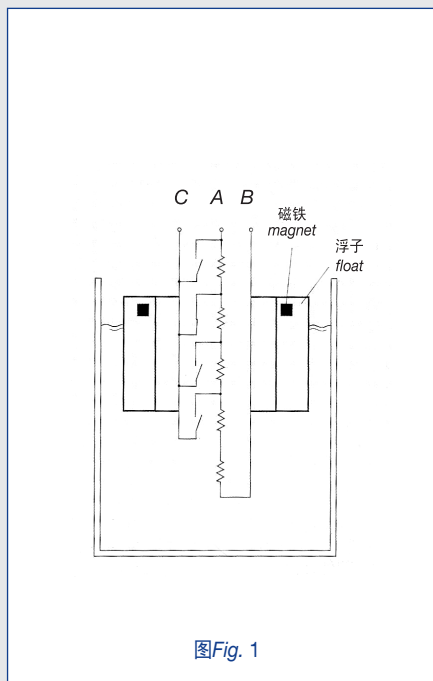
An optional electronic device can be used to check the reserve

indicator for a few seconds during ignition. During normal operation it introduces a delay to prevent the light from flashing when the vehicle pitches or rolls.

These very inexpensive sensors are designed to indicate the reserve level in small tanks containing non-conductive fluids, such as oil or fuel.

工作原理

Operating principles



电阻式电磁液位计的工作原理

电阻式电磁液位计提供连续线性输出信号，此信号可以利用适当的仪器显示储罐内的液位。

此液位计包含一组簧片开关；其间距（开关之间的距离）为10或20毫米，各簧片开关都与一个电阻器相连。

浮子上的磁铁可以一一关闭连杆内的簧片开关，并连接到电阻器链中的一个已知点（见图1和图2）。

此液位计的输出端电阻（ R_{tot} ）可以通过以下公式计算出来：

其中

$$R_{tot} = R_p \times P$$

R_p = 单一间距电阻
 P = 间距数量
(参见图3)

此 R_{tot} 值可能随着液位的升高而增加（C-A连接）或降低（C-B）。

触点完全绝缘指这些液位计也可以用于导电液体。

R_p 值是由我们的工程师根据客户的规格和传感器的长度计算得出的。

Operating principle resistive electromagnetic level gauges

Resistive electromagnetic gauges supply a continuous linear output signal which, using a suitable instrument, can indicate the level of liquid inside the tank.

The gauge contains a set of reed switches; the pitch (the distance between switches) is 10 or 20 mm, and each reed switch is connected to a resistor.

The magnet on the float closes the reed switches inside the stem one by one and is connected to a known point of the chain of resistors (see figures 1 and 2).

The gauge's output resistance (R_{tot}) is obtained from the formula

where

$$R_{tot} = R_p \times P$$

R_p = resistance of a single pitch
 P = number of pitches
(see figure 3)

The R_{tot} value may increase (link C-A) or decrease (C-B) as the level increases.

Complete insulation of the contacts means that these gauges can also be used in conductive fluids.

The R_p value is calculated by our engineers on the basis of the customer's specification and the length of the sensor.

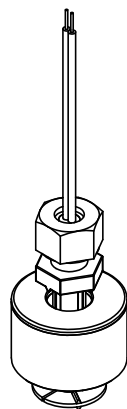
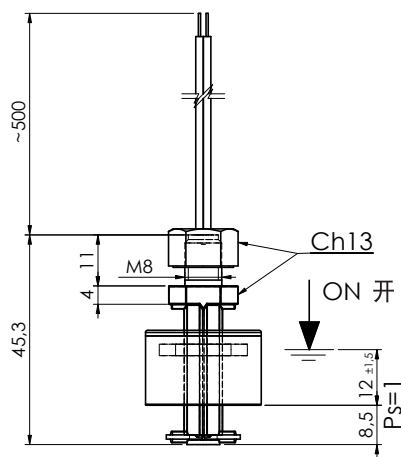
连接线可选

*Available connections example
for waired version*



P200P

磁浮子液位传感器
Electromagnetic level sensor



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When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals. For customized version (material, type of cable, temperature > 80°C, voltage > 50V, etc.) please contact our Customer Service. For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

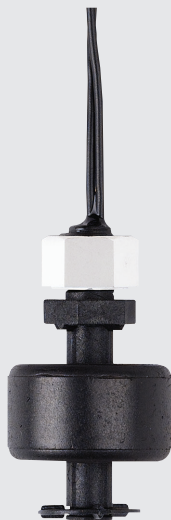
零件代码 - Part Number	
白色 1 — 2 白色 white white	橙色 3 C — 2 NC 关-白色 white orange 1 NO 开-棕色 brown
P200AC - 100	P200AC - 500
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

测量介质	水、酸液（可要求液体食物）
固定	M 8
杆	聚丙烯
浮球	聚丙烯
螺帽	尼龙
输出线	500 mm PVC
触点类型	簧片 开/关（SPDT）
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V (可要求250V)
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-10°C / +80°C
重量	~ gr 12

Use	Water - Acids (Alimentary liquids on request)
Fixing	M 8
Stem	Polypropilene
Float	Polypropilene
Nut	Nylon
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V (250V on request)
Action type	1B
Pollution situation	normal
Specific fluid weight	> 0.75
Working temperature	-10°C / +80°C
Weight	~ gr 12

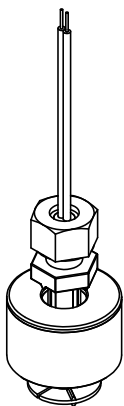
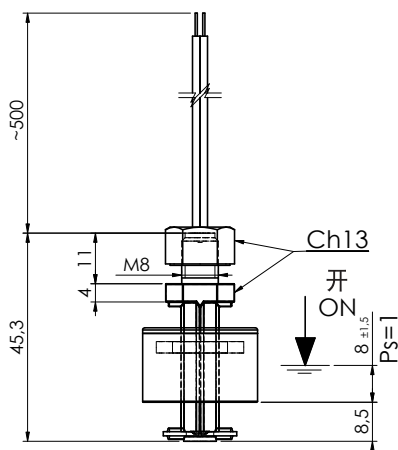
P200N

磁浮子液位传感器
Electromagnetic level sensor



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When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals
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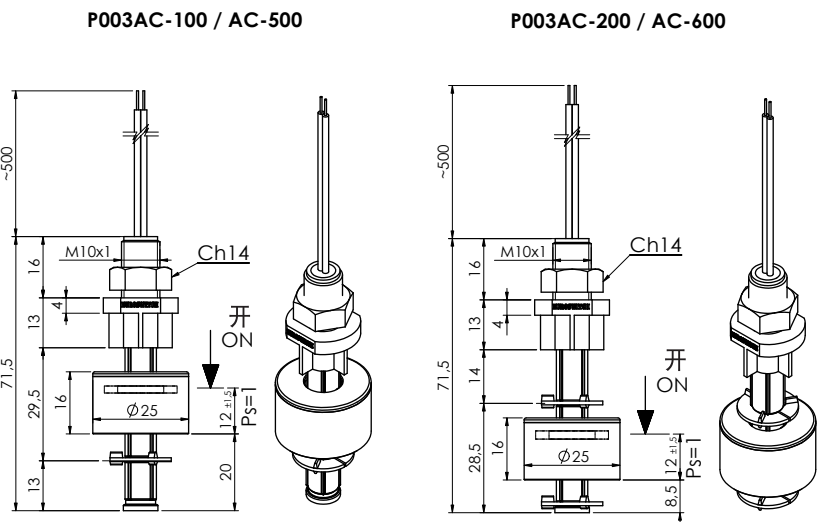
零件代码 - Part Number	
黑色 1 black	2 黑色 black
橙色 3 C orange	2 NC 关-白色 white 1 NO 开-棕色 brown
P200F7 - 100	P200F7 - 500
翻转浮球可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

测量介质	矿物油 - 柴油 - 汽油
固定	M 8
杆	尼龙
浮球	丁腈橡胶
螺帽	尼龙
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-10°C / +80°C
重量	~ gr 12

Use	Mineral Oils - Diesel fuel - Petrol
Fixing	M 8
Stem	Nylon
Float	NBR
Nut	Nylon
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.7
Working temperature	-10°C / +80°C
Weight	~ gr 12

P003P

磁浮子液位传感器
Electromagnetic level sensor



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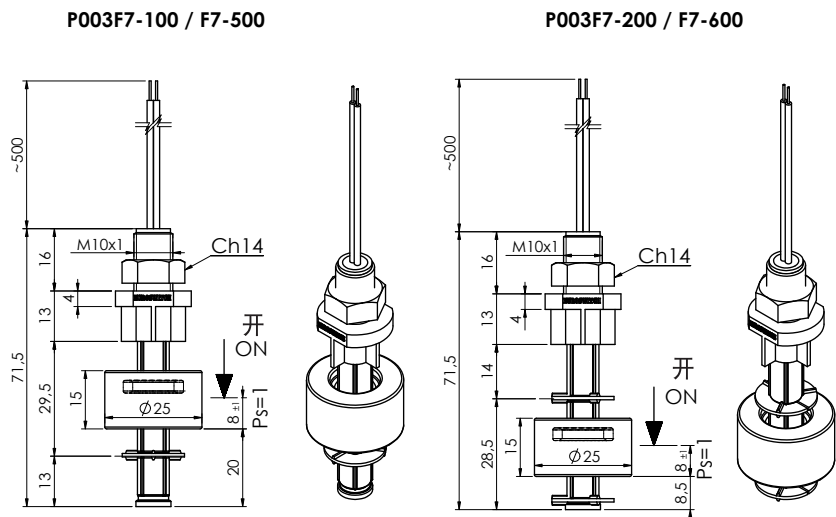
When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For Customized version (type of cable, temperature > 80°C, voltage >50V, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number	
白色 1 — 2 白色 white	橙色 3 C — 2 NC 关-白色 white 1 NO 开-棕色 brown
P003AC - 100	P003AC - 500
P003AC - 200	P003AC - 600
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

测量介质	水、酸液（可要求液体食物）
固定	M10 x 1
杆	聚丙烯
浮球	聚丙烯
螺帽	尼龙
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V (可要求250V)
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-10°C / +80°C
重量	~ gr 16

Use	Water - Acids (Alimentary liquids on request)
Fixing	M10 x 1
Stem	Polypropilene
Float	Polypropilene
Nut	Nylon
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V (250V on request)
Action type	1B
Pollution situation	normal
Specific fluid weight	> 0.75
Working temperature	-10°C / +80°C
Weight	~ gr 16

磁浮子液位传感器
Electromagnetic level sensor

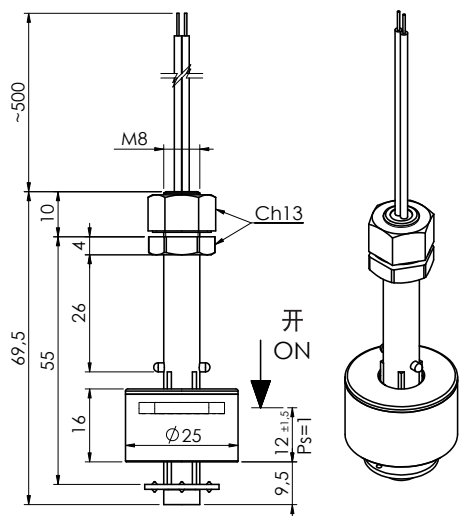


For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.

Use	<i>Mineral Oils - Diesel fuel - Petrol</i>
Fixing	<i>M10 x 1</i>
Stem	<i>Nylon</i>
Float	<i>NBR</i>
Nut	<i>Nylon</i>
Wiring output	<i>500 mm PVC</i>
Type of contact	<i>Reed N.O./ N.C. (SPDT)</i>
Max switch. capacity	<i>40 W (3 W SPDT)</i>
Max switch. current	<i>1 A (0.25 A SPDT)</i>
Max switch. voltage	<i>50 V</i>
Action type	<i>1B</i>
Pollution situation	<i>normal</i>
Fluid specific weight	<i>> 0.7</i>
Working temperature	<i>-10°C / +80°C</i>
Weight	<i>~ qr 16</i>

P004P

磁浮子液位传感器
Electromagnetic level sensor



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零件代码 - Part Number	
白色 1 — 2 白色 white white P004AC - 100 翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	橙色 3 C — 2 NC 关-白色 white orange 1 NO 开-棕色 brown P004AC - 500 SPDT触点 SPDT Contact

测量介质	水、酸液（可要求液体食物）
固定	M 8
杆	聚丙烯
浮球	聚丙烯
螺帽	尼龙
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V (可要求250V)
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-10°C / +80°C
重量	~ gr 18

Use	Water - Acids (Alimentary liquids on request)
Fixing	M 8
Stem	Polypropilene
Float	Polypropilene
Nut	Nylon
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V (250V on request)
Action type	1B
Pollution situation	normal
Specific fluid weight	> 0.75
Working temperature	-10°C / +80°C
Weight	~ gr 18

P004N

磁浮子液位传感器
Electromagnetic level sensor

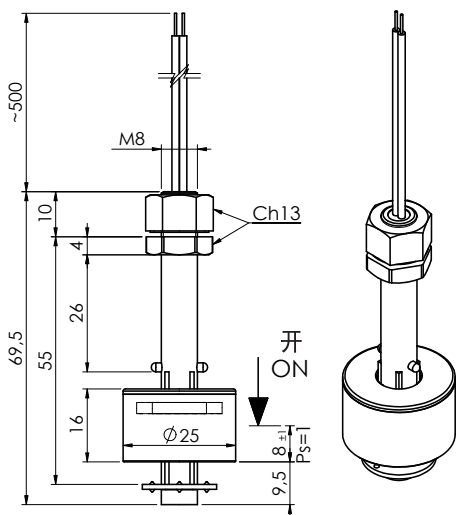


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When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.

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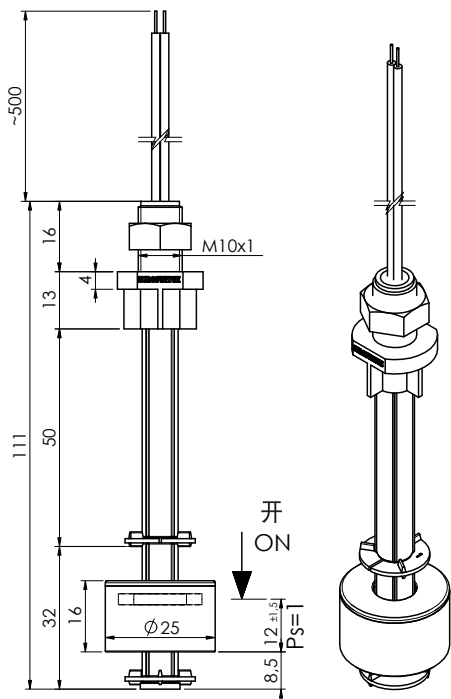
测量介质	矿物油 - 柴油 - 汽油
固定	M 8
杆	尼龙
浮球	丁腈橡胶
螺帽	尼龙
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-10°C / +80°C
重量	~ gr 18

零件代码 - Part Number	
1 黑色 black	2 NC 关-白色 white 1 NO 开-棕色 brown
P004F7 - 100	P004F7 - 500
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

Use	Mineral Oils - Diesel fuel - Petrol
Fixing	M 8
Stem	Nylon
Float	NBR
Nut	Nylon
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.7
Working temperature	-10°C / +80°C
Weight	~ gr 18

P005P

磁浮子液位传感器
Electromagnetic level sensor



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For customized version (material, n. of floats, type of cable, temperature > 80°C, voltage > 50V, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number	
1 白色 white P005AC - 100 翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	2 白色 white 3 开-棕色 brown P005AC - 500 SPDT触点 SPDT Contact

测量介质	水、酸液（可要求液体食物）
固定	M 10x1
杆	聚丙烯
浮球	聚丙烯
螺帽	尼龙
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V（可要求250V）
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-10°C / +80°C
重量	~ gr 20

Use	Water - Acids (Alimentary liquids on request)
Fixing	M 10x1
Stem	Polypropilene
Float	Polypropilene
Nut	Nylon
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V (250V on request)
Action type	1B
Pollution situation	normal
Specific fluid weight	> 0.75
Working temperature	-10°C / +80°C
Weight	~ gr 20

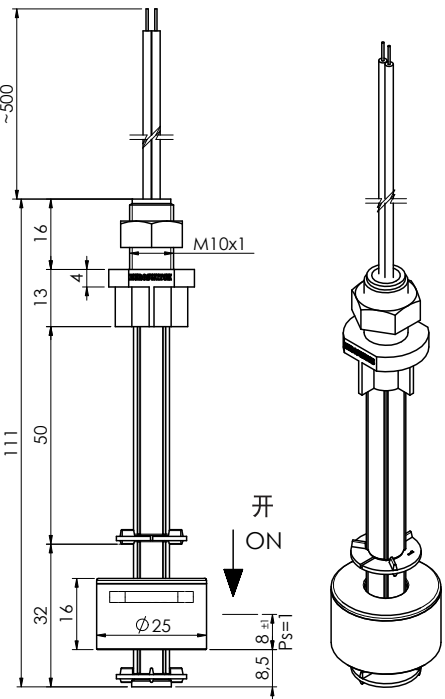
P005N

磁浮子液位传感器
Electromagnetic level sensor



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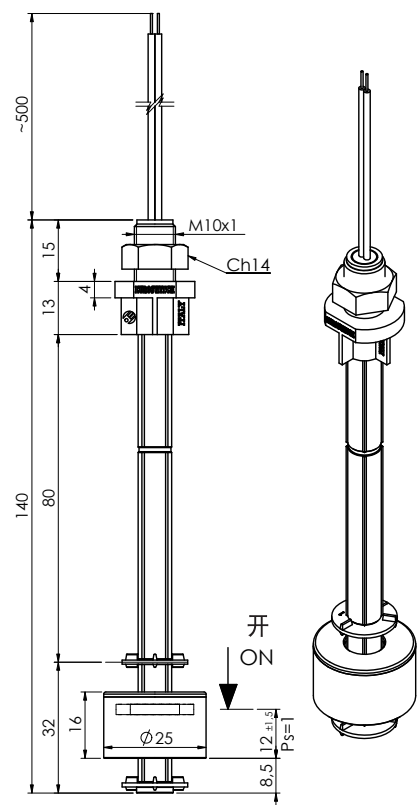
零件代码 - Part Number	
黑色 black	2 黑色 black
1	2
P005F7 - 100	P005F7 - 500
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

测量介质	矿物油 - 柴油 - 汽油
固定	M 10X1
杆	尼龙
浮球	丁腈橡胶
螺帽	尼龙
输出线	500 mm PVC
触点类型	簧片 开/关(SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V (可要求250V)
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-10°C / +80°C
重量	~ gr 24

Use	Mineral Oils - Diesel fuel - Petrol
Fixing	M 10X1
Stem	Nylon
Float	NBR
Nut	Nylon
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.7
Working temperature	-10°C / +80°C
Weight	~ gr 24

P006P

磁浮子液位传感器
Electromagnetic level sensor



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When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.

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零件代码 - Part Number	
白色 1 — 2 白色 white white	橙色 3C — 2 NC 关-白色 white 1 NO 开-棕色 brown
P006AC - 100	P006AC - 500
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

测量介质	水、酸液（可要求液体食物）
固定	M 10X1
杆	聚丙烯
浮球	聚丙烯
螺帽	尼龙
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V (可要求250V)
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-10°C / +80°C
重量	~ gr 28

Use	Water - Acids (Alimentary liquids on request)
Fixing	M 10X1
Stem	Polypropilene
Float	Polypropilene
Nut	Nylon
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V (250V on request)
Action type	1B
Pollution situation	normal
Specific fluid weight	> 0.75
Working temperature	-10°C / +80°C
Weight	~ gr 28

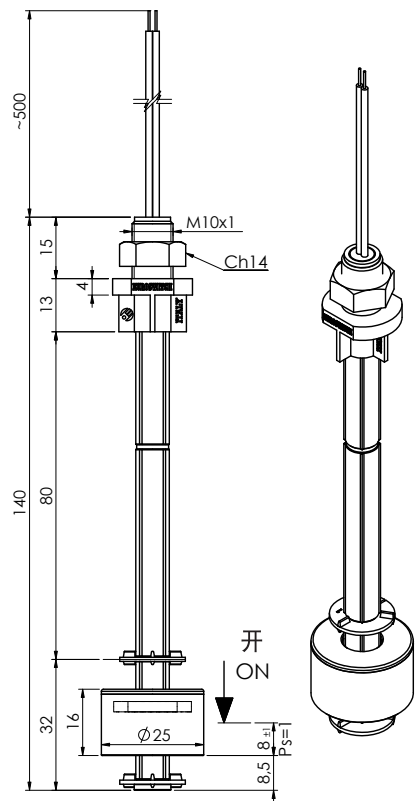
P006N

磁浮子液位传感器
Electromagnetic level sensor



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* For customized version (material, n. of floats, type of cable, temperature > 80°C, voltage > 50V, etc.) please contact Euroswitch.
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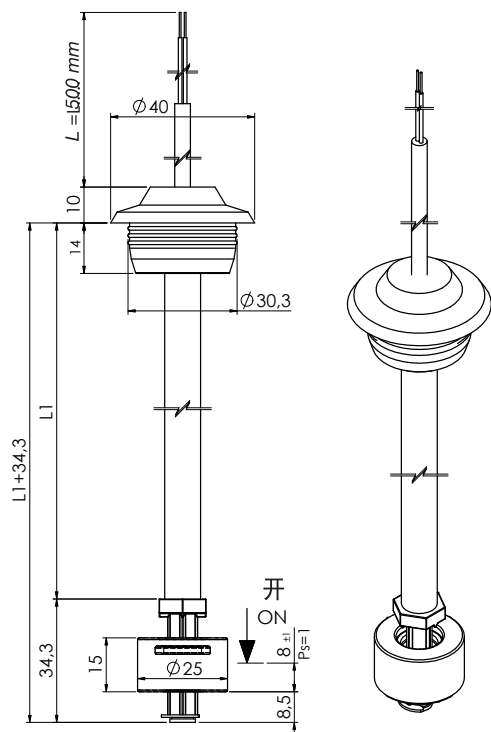
零件代码 - Part Number			
黑色 black	1	2 黑色 black	橙色 orange
P006F7 - 100		P006F7 - 500	
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down		SPDT触点 SPDT Contact	

测量介质	矿物油 - 柴油 - 汽油
固定	M 10X1
杆	尼龙
浮球	丁腈橡胶
螺帽	尼龙
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V(可要求250V)
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-10°C / +80°C
重量	~ gr 28

Use	Mineral Oils - Diesel fuel - Petrol
Fixing	M 10X1
Stem	Nylon
Float	NBR
Nut	Nylon
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.7
Working temperature	-10°C / +80°C
Weight	~ gr 28

P650

磁浮子液位传感器
Electromagnetic level sensor



使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。
请联系我们的客户服务了解定制版本（输出电缆、不同长度、材质等）。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

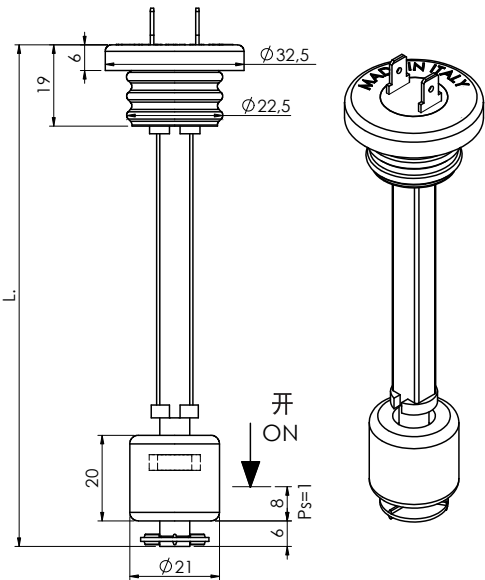
When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals. For customized version (output cable, different length, materials, etc.) please contact our customer service.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	矿物油 - 柴油 - 汽油
固定	丁腈橡胶盖
杆	尼龙
浮球	丁腈橡胶
Seeger	磷青铜
输出线	PVC L = 500 mm
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3W SPDT)
开关最大电流	1 A (0.25A SPDT)
开关最大电压	50 V (可要求250V)
动作类型	1B
污染情况	正常
保护等级	IP 65
液体比重	> 0.7
工作温度	-10°C / +80°C
长度	可要求L1

Use	Mineral oils - Diesel fuel - Petrol
Fixing	NBR Plug
Stem	Nylon
Float	NBR
Seeger	Phosphorous bronze
Wiring output	L = 500 mm PVC
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	40 W (3W SPDT)
Max switch. current	1 A (0.25A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	Normal
Protection degree	IP 65
Specific liquid weight	> 0.7
Working temperature	-10°C / +80°C
Lengths	L1 on request

SPGN SPGP

磁浮子液位传感器
Electromagnetic level sensor



请联系我们的客户服务了解定制版本（输出电缆、不同长度等）。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized versions (output cable, different length, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

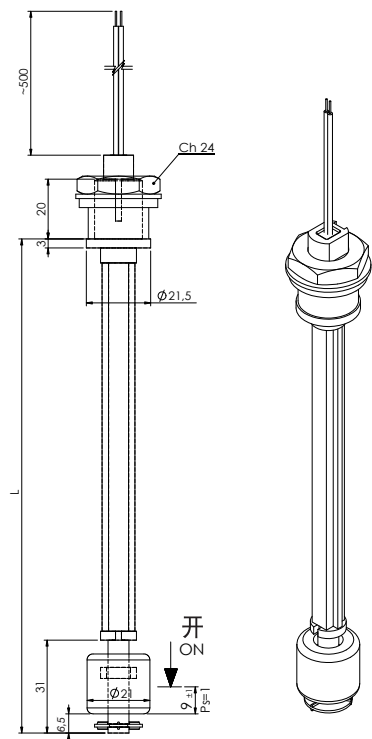
长度 (L=mm)	零件代码 - Part Number	
	SPG 尼 龙	SPG 聚丙烯
	1 — 2	
68	SPG068L3 - 100	SPG068A3 - 100
85	SPG085L3 - 100	SPG085A3 - 100
117	SPG117L3 - 100	SPG117A3 - 100
132	SPG132L3 - 100	SPG132A3 - 100
187	SPG187L3 - 100	SPG187A3 - 100

翻转浮球可切换关/开
The contact can be converted from N.C. to N.O. by rotating the float upside down

测量介质	SPGN 矿物油 - 柴油 - 汽油 SPGP 水-洗涤剂
固定	丁腈橡胶 (SPGN) / EPDM (SPGP) 盖
杆	尼龙 (SPGN) / 聚丙烯 (SPGP)
浮球	丁腈橡胶
电气连接	Faston 4.8
触点类型	簧片 开/关
开关最大容量	10 W
开关最大电流	0.5 A
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.6
工作温度	-10°C / +80°C
重量	~ 20 gr (L=117mm)

Use	SPGN Mineral oils - Diesel fuel - Petrol SPGP Water - detergents
Fixing	Plug NBR (SPGN) / EPDM (SPGP)
Stem	Nylon (SPGN) / Polypropilene (SPGP)
Float	NBR
Electrical connection	Faston 4.8
Type of contact	Reed N.O./N.C.
Max switch. capacity	10 W
Max switch. current	0.5 A
Max switch. voltage	50 V
Action type	1B
Pollution situation	Normal
Specific liquid weight	> 0.6
Working temperature	-10°C / +80°C
Weight	~ 20 gr (L=117mm)

扩展垫圈电磁液位传感器 Electromagnetic level sensor with expansion gasket



使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。请联系我们的客户服务了解定制版本（电缆的材质与类型、温度 > 80°C、电压 > 50V 等）。请参考 2012 版《Euroswitch 传感器目录》中的“总体说明”了解正确的使用方法。

When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals. For customized version (material, type of cable, length, temperature > 80°C, voltage > 50V, etc.) please contact Euroswitch. For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number	
长度 (L = mm)	黑色 1 — 2 黑色 black black
164	SPE164F3 - 100
183	SPE183F3 - 100

翻转浮球可切换关/开
The contact can be converted from N.C. to N.O. by rotating the float upside down

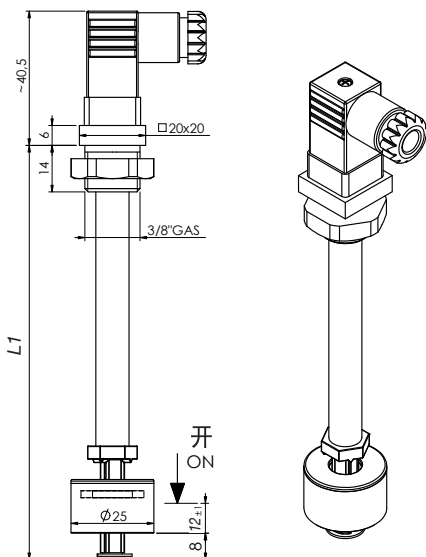
测量介质	矿物油 - 柴油 - 汽油
固定	扩展垫圈
杆	尼龙
浮球	丁腈橡胶
螺帽	尼龙
扩展垫圈	氟橡胶
输出线	500 mm PVC
触点类型	簧片 开/关
开关最大容量	40 W
开关最大电流	1 A
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.6
工作温度	-10°C / +80°C
重量	~ gr 40

Use	Mineral Oils - Diesel fuel - Petrol
Fixing	Expansion gasket
Stem	Nylon
Float	NBR
Nut	Nylon
Expansion gasket	Viton
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C.
Max switch. capacity	40 W
Max switch. current	1 A
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.6
Working temperature	-10°C / +80°C
Weight	~ gr 40

我们推荐使用直径22mm、2-5mm深度的壁孔，以正确安装。
For correct fixing, we recommend using a burr-free 22 mm hole and a 2-5 mm thick wall.

P68

磁浮子液位传感器
Electromagnetic level sensor



请联系我们的客户服务了解定制版本（输出电缆、不同长度等）。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法

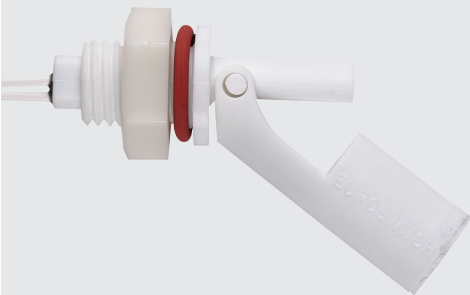
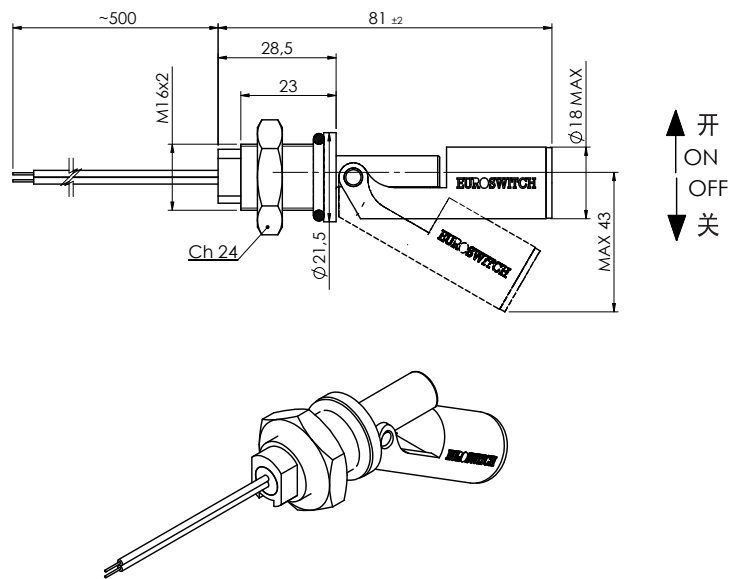
For customized version (materials cable, different length, etc.) please contact our customer service.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.

测量介质	矿物油 - 柴油 - 汽油
固定	3/8" GAS 阳极氧化铝（可选M20x1.5）
杆	尼龙
浮球	聚丙烯
螺帽	尼龙
Seeger	磷青铜
连接器	UNI EN 175301-803 (DIN43650) 标准P8 micro
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3W SPDT)
开关最大电流	1 A (0.25A SPDT)
开关最大电压	50 V
动作类型	1B
污染情况	正常
保护等级	IP 65
液体比重	> 0.75
工作温度	-10°C / +80°C
长度	可要求L1

Use	Mineral oils - Diesel fuel - Petrol
Fixing	3/8" GAS Aluminium Anodized (available M20x1,5)
Stem	Nylon
Float	Polypropylene
Nut	Nylon
Seeger	Phosphorouse bronze
Connector	a norme UNI EN 175301-803 (DIN43650) P8 micro
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	40 W (3W SPDT)
Max switch. current	1 A (0.25A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	Normal
Protection degree	IP 65
Specific liquid weight	> 0.75
Working temperature	-10°C / +80°C
Lengths	L1 on request

P500P

侧面固定电磁液位传感器
Electromagnetic level sensor lateral fixing



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When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals. For customized version (material, type of cable, temperature > 80°C, voltage > 50V, etc.) please contact Euroswitch. For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

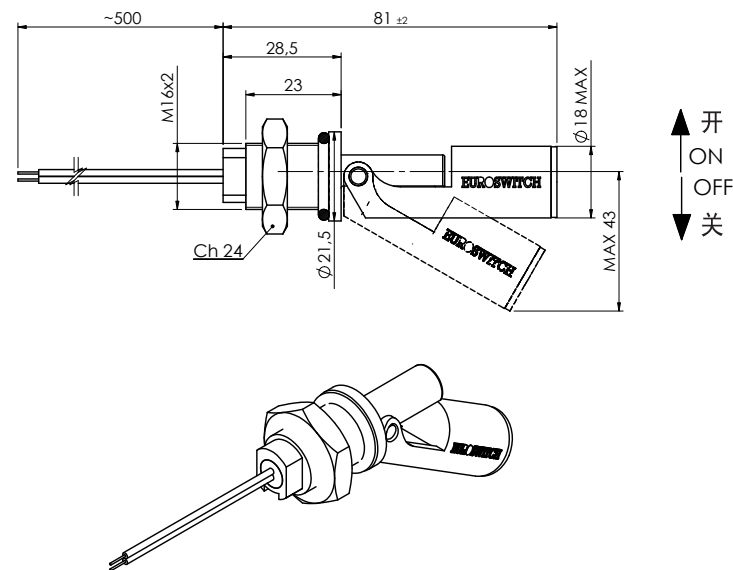
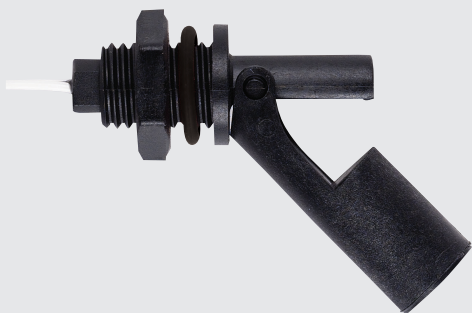
零件代码 - Part Number	
白色 white	白色 white
P500AH - 100	P500AH - 500
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

使用介质	水、酸液（可要求液体食物）
固定	M 16X2
杆	聚丙烯
浮球	聚丙烯
螺帽	尼龙
O环	硅胶
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V（可要求250V）
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-10°C / +80°C
重量	~ gr 24

Use	Water - Acids (Alimentary liquids on request)
Fixing	M 16X2
Stem	Polypropilene
Float	Polypropilene
Nut	Nylon
O-Ring	Silicone
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V (250V on request)
Action type	1B
Pollution situation	normal
Specific fluid weight	> 0.8
Working temperature	-10°C / +80°C
Weight	~ gr 24

P500N

侧面固定电磁液位传感器
Electromagnetic level sensor lateral fixing



使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。请联系我们的客户服务了解定制版本（电缆材料、不同长度等）。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For customized version (materials cable, different length, etc.) please contact our customer service.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

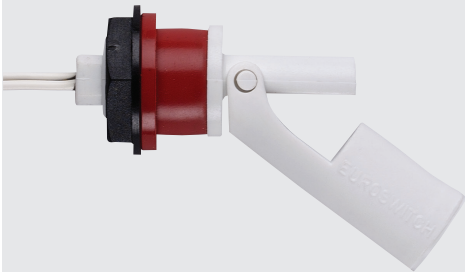
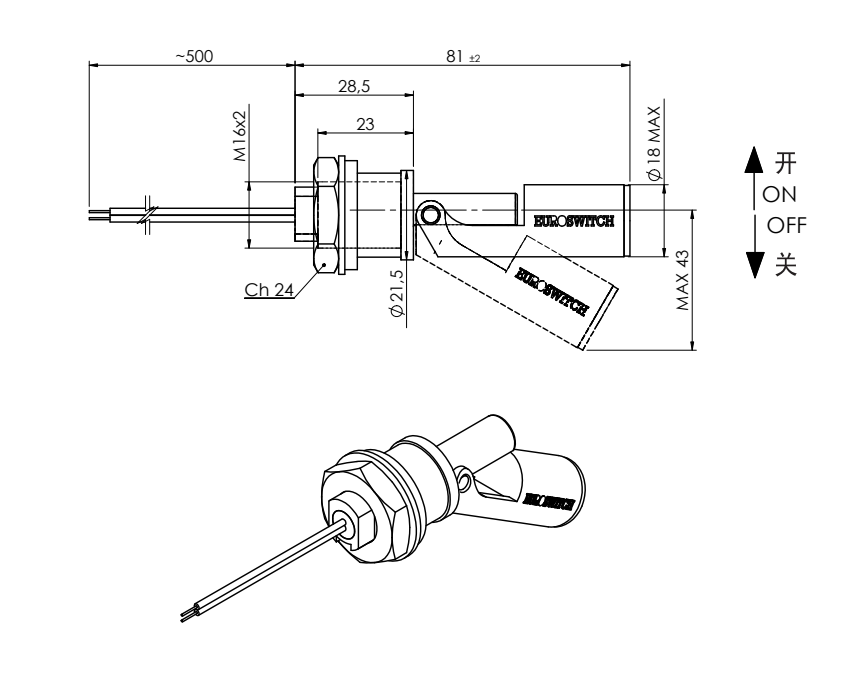
零件代码 - Part Number	
黑色 black — 黑色 black	橙色 orange 3 C 2 NC 关-棕色 brown 1 NO 开-白色 white
P500F8 - 100	P500F8 - 500
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

测量介质	矿物油 - 柴油 - 汽油
固定	M 16X2
杆	尼龙
浮球	尼龙
螺帽	尼龙
O环	氟橡胶
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.85
工作温度	-10°C / +80°C
重量	~ gr 24

Use	Mineral oils - Diesel fuel
Fixing	M 16X2
Stem	Nylon
Float	Nylon
Nut	Nylon
O-Ring	Viton
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Specific fluid weight	> 0.85
Working temperature	-10°C / +80°C
Weight	~ gr 24

P520P

侧面固定扩展垫圈电磁液位传感器
Electromagnetic level sensor lateral fixing
with expansion gasket



使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。请联系我们的客户服务了解定制版本（电缆的材质与类型、温度> 80°C、电压> 50V等）。请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For customized version (material, type of cable, temperature > 80°C, voltage > 50V, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number	
白色 white	白色 white
P520AH - 100	P520AH - 180
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

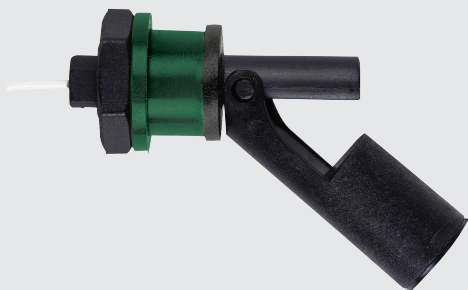
测量介质	水、酸液（可要求液体食物）
固定	扩展垫圈
杆	聚丙烯
浮球	聚丙烯
螺帽	尼龙
扩展垫圈	硅胶
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V (可要求250V)
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-10°C / +80°C
重量	~ gr 24

Use	Water - Acids (Alimentary liquids on request)
Fixing	Expansion gasket
Stem	Polypropilene
Float	Polypropilene
Nut	Nylon
Expansion gasket	Silicone
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V (250V on request)
Action type	1B
Pollution situation	normal
Specific fluid weight	> 0.8
Working temperature	-10°C / +80°C
Weight	~ gr 24

我们推荐使用直径22mm、2-5mm深度的壁孔，以正确安装。
For correct fixing, we recommend using a burr-free 22 mm hole and a 2-5 mm thick wall.

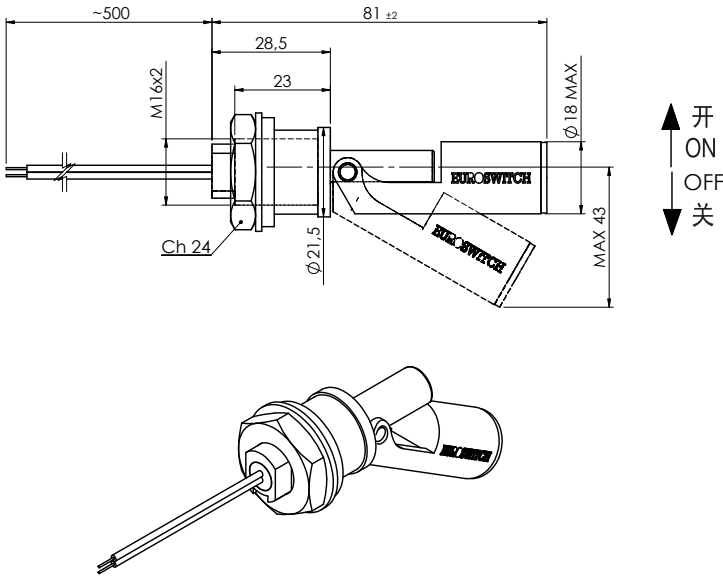
P520N

侧面固定扩展垫圈电磁液位传感器
*Electromagnetic level sensor lateral fixing
with expansion gasket*



使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。请联系我们的客户服务了解定制版本（电缆的材质与类型、温度> 80°C、电压> 50V等）。请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For customized version (material, type of cable, temperature > 80°C, voltage > 50V, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.



零件代码 - Part Number	
黑色 black 黑色 black	橙色 orange 3 C 2 NC 关-棕色 brown 1 NO 开-白色 white
P520F8 - 700	P520F8 - 780
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

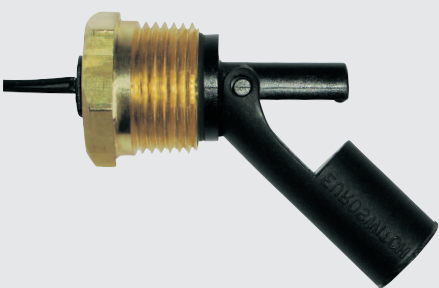
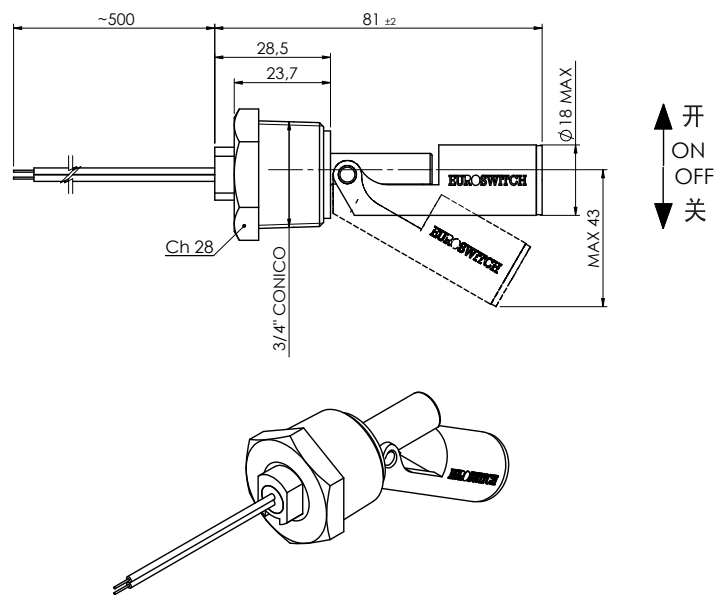
测量介质	矿物油 - 柴油 - 汽油
固定	扩展垫圈
杆	尼龙
浮球	尼龙
螺帽	尼龙
扩展垫圈	氟橡胶
输出线	500 mm PVC
触点类型	簧片 开/关(SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.85
工作温度	-10°C / +100°C
重量	~ gr 24

Use	Mineral Oils - Diesel fuel - Petrol
Fixing	Expansion gasket
Stem	Nylon
Float	Nylon
Nut	Nylon
Expansion gasket	NBR
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.85
Working temperature	-10°C / +100°C
Weight	~ gr 24

我们推荐使用直径22mm、2-5mm深度的壁孔，以正确安装。
For correct fixing, we recommend using a burr-free 22 mm hole and a 2-5 mm thick wall.

P530

侧面固定电磁液位传感器
Electromagnetic level sensor lateral fixing



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When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals. For customized version (material, type of cable, temperature > 80°C, voltage > 50V, etc.) please contact Euroswitch. For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.

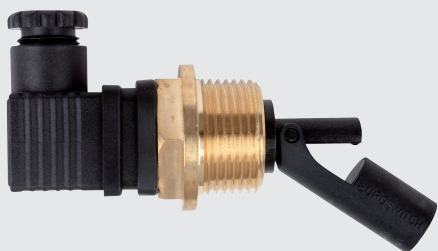
零件代码 - Part Number		
浮球 float	黑色 black	黑色 black
聚丙烯 polypropylene	P530AH - 100	P530AH - 500
尼龙 nylon	P530F8 - 100	P530F8 - 500
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down		SPDT触点 SPDT Contact

测量介质	P530AH 水 P530F8 矿物油 - 柴油 - 汽油
固定杆	3/4" GAS 黄铜 P530AH 聚丙烯 P530F8 尼龙
浮球	P530AH 聚丙烯 P530F8 尼龙
输出线	500 mm PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	聚丙烯 > 0.80 尼龙 > 0.85
工作温度	-10°C / +80°C
重量	~ gr 90

Use	P530AH Water P530F8 Mineral Oils - Diesel fuel - Petrol
Fixing	3/4" GAS conical Brass
Stem	P530AH Polypropilene P530F8 Nylon
Float	P530AH Polypropilene P530F8 Nylon
Wiring output	500 mm PVC
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0.25 A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Fluid specific weight	Polipropilene > 0.80 Nylon > 0,85
Working temperature	-10°C / +80°C
Weight	~ gr 90

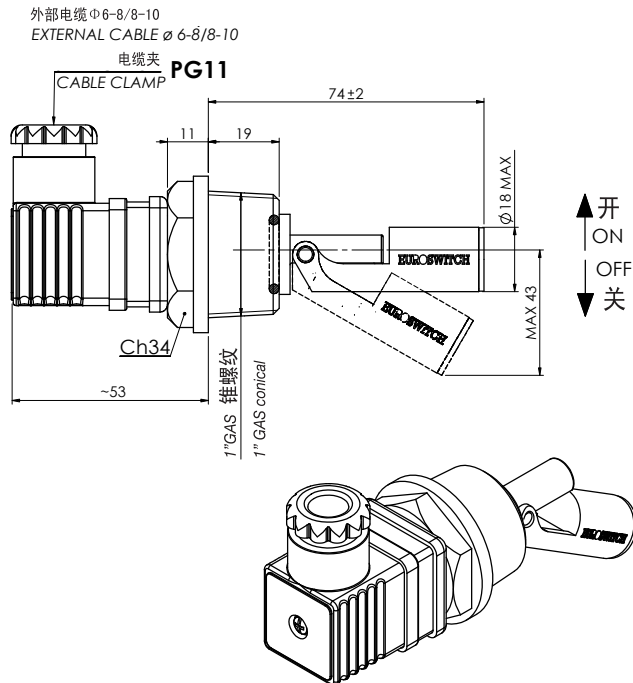
P540

侧面固定电磁液位传感器 Electromagnetic level sensor lateral fixing



请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.



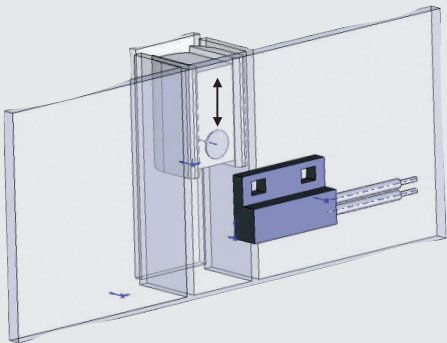
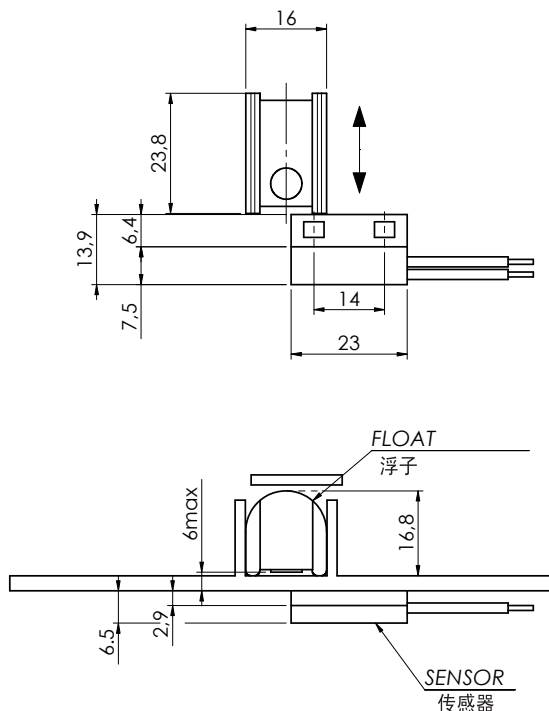
零件代码 - Part Number		
浮球 float	黑色 black	橙色 orange
聚丙烯 polypropylene	P540AH - 100	P540AH - 500
尼龙 nylon	P540F8 - 100	P540F8 - 500
	翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

测量介质	P540AH 水
	P540F8 矿物油 - 柴油 - 汽油
固定	1" GAS 黄铜
杆	P540AH 聚丙烯
	P540F8 尼龙
浮球	P540AH 聚丙烯
	P540F8 尼龙
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	< 50 V
动作类型	1B
污染情况	正常
液体比重	聚丙烯 > 0.80 尼龙 > 0.85
工作温度	-10°C / +100°C
保护等级	IP65
连接器符合	UNI EN 175301-803 (DIN43650) 标准
重量	~ gr 100

Use	P540AH Water
	P540F8 Mineral Oils - Diesel fuel - Petrol
Fixing	1" GAS conical Brass
Stem	P540AH Polypropilene
	P540F8 Nylon
Float	P540 AH Polypropilene
	P540 F8 Nylon
Type of contact	Reed N.O./ N.C. (SPDT)
Max switch. capacity	40 W (3 W SPDT)
Max switch. current	1 A (0,25 A SPDT)
Max switch. voltage	< 50 V
Action type	1B
Pollution situation	normal
Fluid specific weight	Polipropilene > 0.80 Nylon > 0.85
Working temperature	-10°C / +100°C
Protection degree	IP65
	with connector according to UNI EN 175301-803 (DIN43650)
Weight	~ gr 100

P915

可拆卸油桶专用电磁液位传感器
Electromagnetic level sensor for extraible tank



使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。请联系我们客户服务了解定制版本（电缆的材质与类型、温度> 80°C、电压> 50V等）。请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For customized version (type of cable, temperature > 80°C, voltage > 50V, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

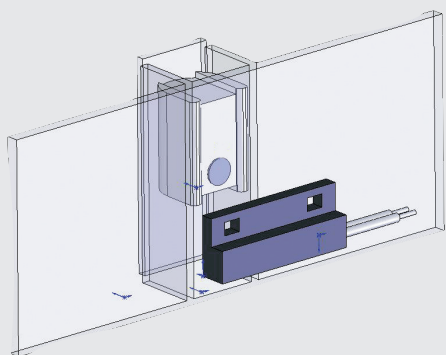
零件代码 - Part Number	
	黑色 black
传感器 sensor	P915FZ - 100
浮球 float	GLL016 - 002

测量介质	水 - 酸液 - 洗涤剂
杆	尼龙
浮球	聚丙烯
输出线	500 mm PVC
触点类型	簧片开
开关最大容量	10 W
开关最大电流	0.5 A
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-10°C / +80°C
重量	~ 8/10 gr

Use	Water - Acids - Detergent
Stem	Nylon
Float	Polypropilene
Wiring output	500 mm PVC
Type of contact	Reed N.O
Max switch. capacity	10 W
Max switch. current	0.5 A
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Specific fluid weight	> 0.8
Working temperature	-10°C / +80°C
Weight	~ 8/10 gr

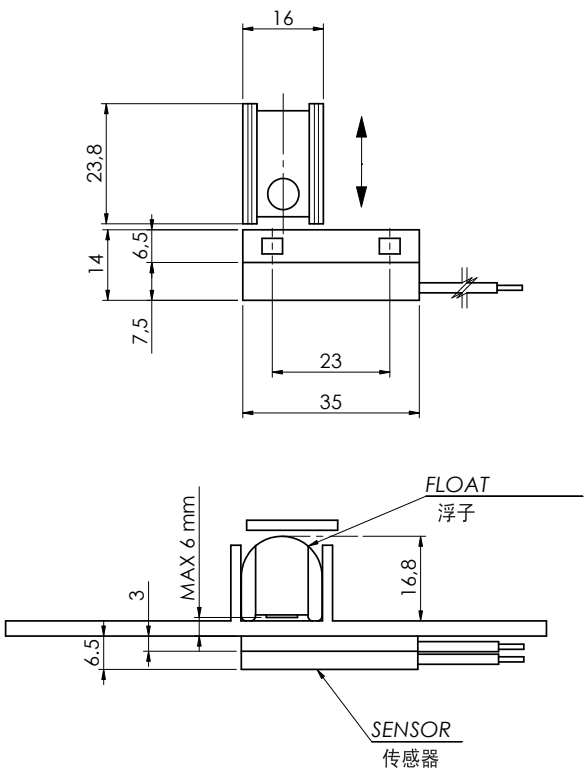
P920

可拆卸油桶专用电磁液位传感器
Electromagnetic level sensor for extraible tank



使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。请联系我们的客户服务了解定制版本（电缆的材质与类型、温度 > 80°C、电压 > 50V 等）。请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For customized version (type of cable, temperature > 80°C, voltage > 50V, etc.) please contact Euroswitch.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.



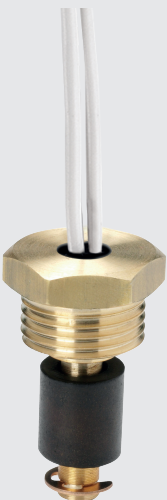
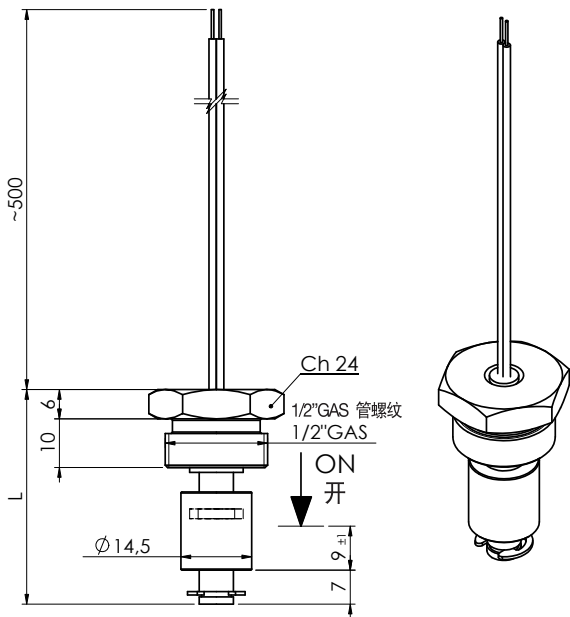
测量介质	水、酸液、洗涤剂
杆	尼龙
浮球	聚丙烯
输出线	500 mm PVC
触点类型	簧片 开 / SPDT
开关最大容量	40 W (3W SPDT)
开关最大电流	1 A (0.25A SPDT)
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-10°C / +80°C
重量	~ 10 gr

零件代码 - Part Number		
	黑色 black	黑色 black
	橙色 orange	NC 关-棕色 brown NO 开-白色 white
传感器 sensor	P920FZ - 100	P920FZ - 500
浮球 float	GLL016 - 002	GLL016 - 002

Use	Water - Acids - Detergent
Stem	Nylon
Float	Polypropilene
Wiring output	500 mm PVC
Type of contact	Reed N.O. / SPDT
Max switch. capacity	40 W (3W SPDT)
Max switch. current	1 A (0.25A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Specific fluid weight	> 0.8
Working temperature	-10°C / +80°C
Weight	~ 10 gr

P28

磁浮子液位传感器
Electromagnetic level sensor



使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。
请联系我们的客户服务了解定制版本（输出电缆、不同长度、材质等）。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For customized versions (output cable, different length, materials, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number	
黑色 1 black 2 黑色 black	L = 长度 (mm)
P28044 - 100	44
P28080 - 100	80
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	

测量介质	矿物油 - 柴油 - 汽油 水 - 洗涤剂
固定	G 1/2"
杆	黄铜
浮球	丁腈橡胶
输出线	500 mm PVC
触点类型	簧片 开/关
开关最大容量	10 W
开关最大电流	0.5 A
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-10°C / +100°C
重量	~ 50 gr

Use	Mineral oils - Diesel fuel - Petrol Water - detergents
Fixing	G 1/2"
Stem	Brass
Float	NBR
Wiring output	500 mm PVC
Type of contact	Reed N.O./N.C.
Max switch. capacity	10 W
Max switch. current	0.5 A
Max switch. voltage	50 V
Action type	1B
Pollution situation	Normal
Specific liquid weight	> 0.7
Working temperature	-10°C / +100°C
Weight	~ 50 gr

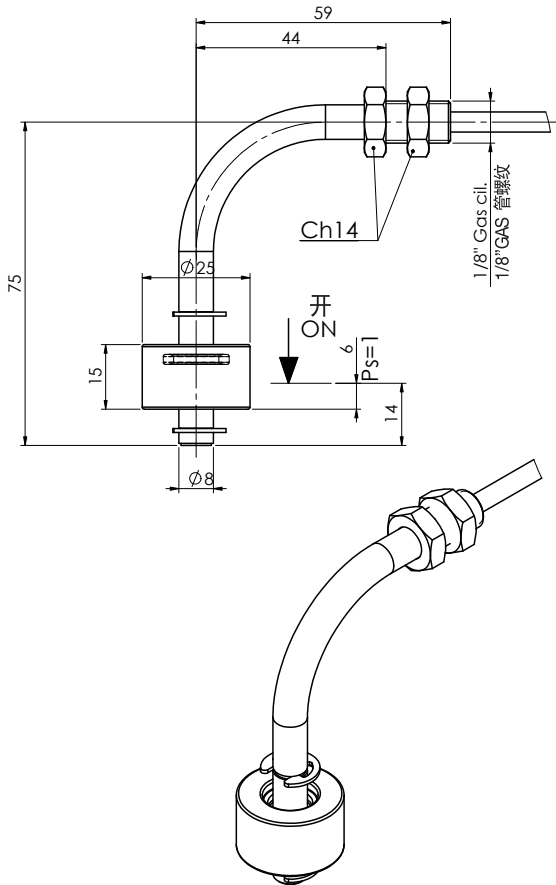
PG29

磁浮子液位传感器
Electromagnetic level sensor



使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。
请联系我们的客户服务了解定制版本（输出电缆、不同长度、材质等）。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For customized versions (output cable, different length, materials, etc.) please contact Euroswitch.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.



零件代码 - Part Number

黑色1
black

2 黑色
black

PG29075-100

翻转浮筒可切换关/开

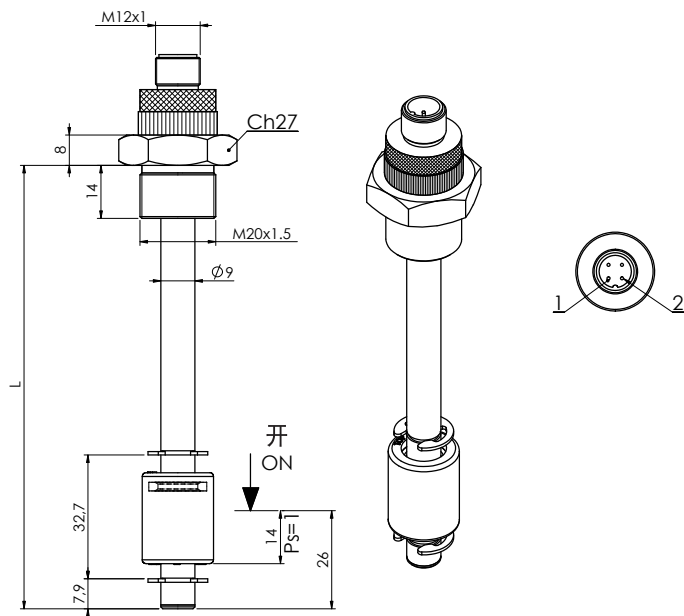
The contact can be converted from N.C. to N.O. by rotating the float upside down

测量介质	矿物油 - 柴油 - 汽油
	水 - 洗涤剂
固定	G 1/8"
杆	黄铜
浮球	丁腈橡胶
输出线	500 mm PVC
触点类型	簧片 开/关
开关最大容量	10 W
开关最大电流	0.5 A
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-10°C / +100°C
重量	~ 120 gr

Use	Mineral oils - Diesel fuel - Petrol
	Water - detergents
Fixing	G 1/8"
Stem	Brass
Float	NBR
Wiring output	500 mm PVC
Type of contact	Reed N.O./N.C.
Max switch. capacity	10 W
Max switch. current	0.5 A
Max switch. voltage	50 V
Action type	1B
Pollution situation	Normal
Specific liquid weight	> 0.7
Working temperature	-10°C / +100°C
Weight	~ 120 gr

P40

磁浮子液位传感器
Electromagnetic level sensor



请联系我们的客户服务了解定制版本（输出电缆、不同长度、材质等）。

For customized versions (output cable, different length, materials, etc.) please contact Euroswitch.

测量介质	矿物油 - 柴油 - 汽油 水 - 洗涤剂
固定	M20x1.5 (其他要求)
杆	黄铜
浮球	丁腈橡胶
连接器	M12x1
触点类型	簧片 开/关 (可要求 SPDT)
开关最大容量	10 W (3 W SPDT)
开关最大电流	0.5 A (0.25 A SPDT)
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-10°C / +100°C

Use	Mineral oils - Diesel fuel - Petrol Water - detergents
Fixing	M20x1.5 (other on request)
Stem	Brass
Float	NBR
Connector	M12x1
Type of contact	Reed N.O./N.C. (on request SPDT)
Max switch. capacity	10 W (3 W SPDT)
Max switch. current	0.5 A (0.25 A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	Normal
Specific liquid weight	> 0.7
Working temperature	-10°C / +100°C

请参考2012版《Euroswitch传感器目录》的“总体说明”，以了解正确使用方法。
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

PT40

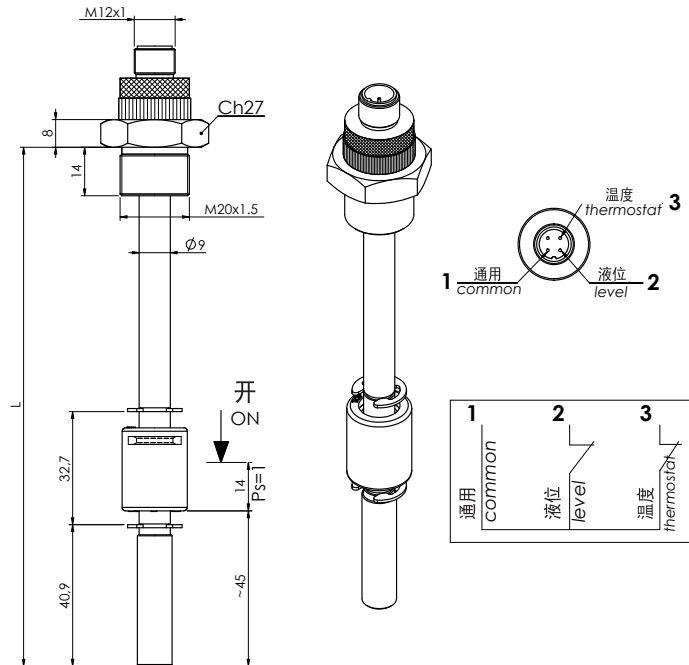
温控电磁液位传感器

Electromagnetic level sensor with thermostat



请联系我们的客户服务了解定制版本（输出电缆、不同长度、材质等）。

For customized versions (output cable, different length, materials, etc.) please contact Euroswitch.



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测量介质	矿物油 - 柴油 - 汽油 水 - 洗涤剂
固定	M20x1.5 (其他要求)
杆	黄铜
浮球	丁腈橡胶
连接器	M12x1
触点类型	簧片 开/关
开关最大容量	10 W
开关最大电流	0.5 A
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-10°C / +100°C
温控器设定	40-50-60-70-80°C

Use	Mineral oils - Diesel fuel - Petrol Water - detergents
Fixing	M20x1.5 (other on request)
Stem	Brass
Float	NBR
Connector	M12x1
Type of contact	Reed N.O./N.C.
Max switch. capacity	10 W
Max switch. current	0.5 A
Max switch. voltage	50 V
Action type	1B
Pollution situation	Normal
Specific liquid weight	> 0.7
Working temperature	-10°C / +100°C
Thermostat setting	40-50-60-70-80°C

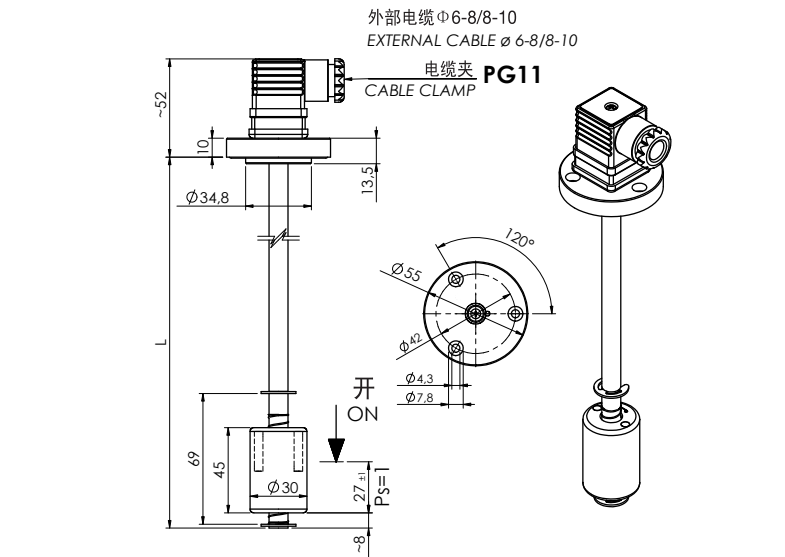
请参考2012版《Euroswitch传感器目录》的“总体说明”，以了解正确使用方法。

For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.

P30

磁浮子液位传感器
Electromagnetic level sensor

 可要求ATEX版本
Version ATEX available on request



零件代码 - Part Number		
长度 (L=mm)	1 2	3C 2 NC 关 1 NO 开
100	P30100 - 100	P30100 - 500
150	P30150 - 100	P30150 - 500
200	P30200 - 100	P30200 - 500
250	P30250 - 100	P30250 - 500
300	P30300 - 100	P30300 - 500
350	P30350 - 100	P30350 - 500
400	P30400 - 100	P30400 - 500
450	P30450 - 100	P30450 - 500
500	P30500 - 100	P30500 - 500
翻转浮球可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down		SPDT触点 SPDT Contact

请联系我们的客户服务了解定制版本。（长度、温度> 80°C等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, temperature > 80°C, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	矿物油 - 汽油 - 水
固定	3孔铝法兰
杆	黄铜
浮球	泡沫尼龙
Seeger	磷青铜
O环	丁腈橡胶
触点类型	簧片 开/关 (SPDT)
开关最大容量	80 W (50 W SPDT)
开关最大电流	1 A (1 A SPDT)
开关最大电压	250 Vac (220 Vac SPDT)
保护等级	IP65
连接器符合 UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +80°C
重量	~ 160 gr (per L=100 mm)

Use	Mineral oils - Fuels - Water
Fixing	3 holes aluminum flange
Stem	Brass
Float	Foamed nylon
Seeger	Phosphorous bronze
O-Ring	NBR
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	80 W (50 W SPDT)
Max switch. current	1 A (1 A SPDT)
Max switch. voltage	250 Vac (220 Vac SPDT)
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C / +80°C
Weight	~160 gr (for L=100 mm)

Ex 可要求ATEX版本
Version ATEX available on request

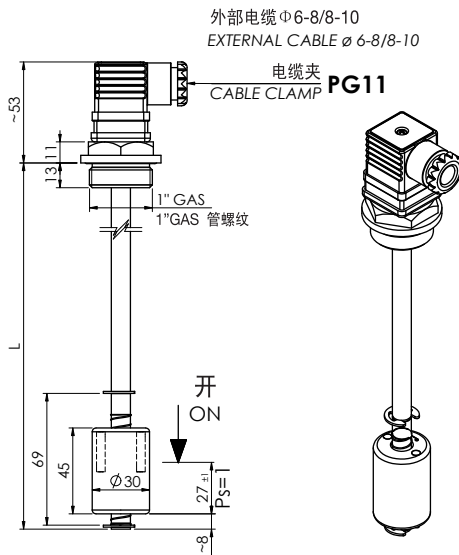


请联系我们的客户服务了解定制版本。（长度、温度> 80°C等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

0For customized version (length, temperature > 80°C, etc.) please contact Euroswitch.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.

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磁浮子液位传感器 Electromagnetic level sensor



零件代码 - Part Number		
长度(L=mm)	1 — 2	3 C — 2 NC 关 1 NO 开
100	P31100 - 100	P31100 - 500
150	P31150 - 100	P31150 - 500
200	P31200 - 100	P31200 - 500
250	P31250 - 100	P31250 - 500
300	P31300 - 100	P31300 - 500
350	P31350 - 100	P31350 - 500
400	P31400 - 100	P31400 - 500
450	P31450 - 100	P31450 - 500
500	P31500 - 100	P31500 - 500
翻转浮球可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down		SPDT触点 SPDT Contact

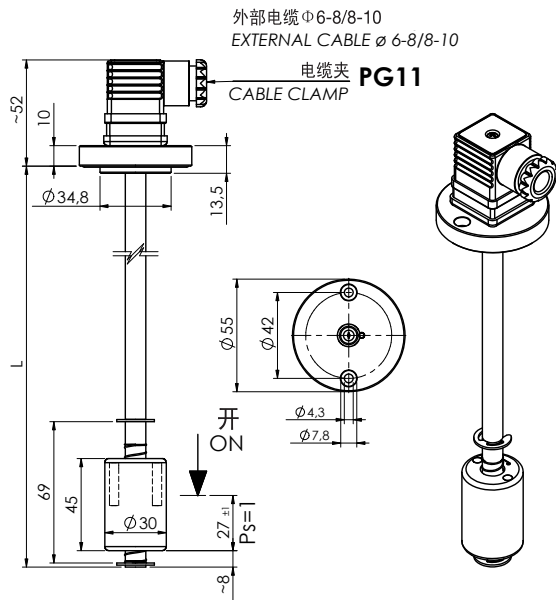
测量介质	矿物油 - 汽油 - 水
固定	1"GAS 阳极氧化铝
杆	黄铜
浮球	泡沫尼龙
Seeger	磷青铜
O环	丁腈橡胶
触点类型	簧片 开/关 (SPDT)
开关最大容量	80 W (50 W SPDT)
开关最大电流	1 A (1 A SPDT)
开关最大电压	250 Vac (220 Vac SPDT)
保护等级	IP65
连接器符合 UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +80°C
重量	~160 gr (per L=100 mm)

Use	Mineral oils - Fuels - Water
Fixing	Aluminum Anodized 1" GAS
Stem	Brass
Float	Foamed nylon
Seeger	Phosphorous bronze
O-Ring	NBR
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	80 W (50 W SPDT)
Max switch. current	1 A (1 A SPDT)
Max switch. voltage	250 Vac (220 Vac SPDT)
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C / +80°C
Weight	~160 gr (for L=100 mm)

P32

磁浮子液位传感器 Electromagnetic level sensor

 可要求ATEX版本
Version ATEX available on request



请联系我们的客户服务了解定制版本。（长度、温度> 80°C等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, temperature > 80°C, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number		
长度 (L=mm)	1 — 2	3 C — 2 NC 关 1 NO 开
100	P32100 - 100	P32100 - 500
150	P32150 - 100	P32150 - 500
200	P32200 - 100	P32200 - 500
250	P32250 - 100	P32250 - 500
300	P32300 - 100	P32300 - 500
350	P32350 - 100	P32350 - 500
400	P32400 - 100	P32400 - 500
450	P32450 - 100	P32450 - 500
500	P32500 - 100	P32500 - 500
翻转浮球可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down		SPDT触点 SPDT Contact

测量介质	矿物油 - 汽油 - 水
固定	2孔铝法兰
杆	黄铜
浮球	泡沫尼龙
Seeger	磷青铜
O环	丁腈橡胶
触点类型	簧片 开/关 (SPDT)
开关最大容量	80 W (50 W SPDT)
开关最大电流	1 A (1 A SPDT)
开关最大电压	250 Vac (220 Vac SPDT)
保护等级	IP65
连接器符合 UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C/+80°C
重量	~ 160 gr (per L=100 mm)

Use	Mineral oils - Fuels - Water
Fixing	2 holes aluminum flange
Stem	Brass
Float	Foamed nylon
Seeger	Phosphorous bronze
O-Ring	NBR
Type of contact	Reed NO/NC (SPDT)
Max switch. capacity	80 W (50 W SPDT)
Max switch. current	1 A (1 A SPDT)
Max switch. voltage	250 Vac (220 Vac SPDT)
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C/+80°C
Weight	~160 gr (for L=100 mm)



可要求ATEX版本
Version ATEX available on request



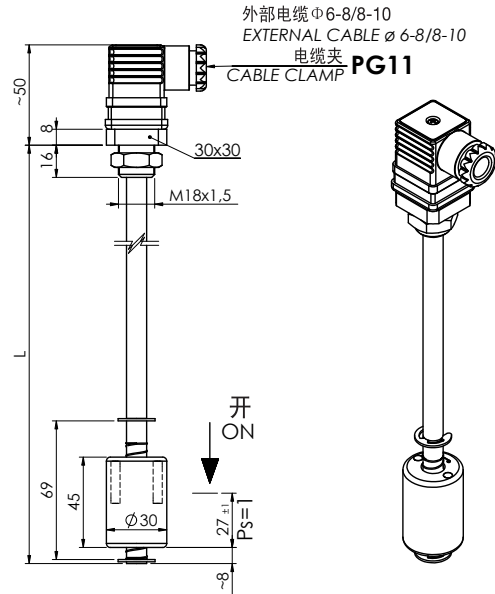
请联系我们的客户服务了解定制版本。（长度、温度> 80°C等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

*For customized version (length, temperature > 80°C, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.*

P33

磁浮子液位传感器

Electromagnetic level sensor



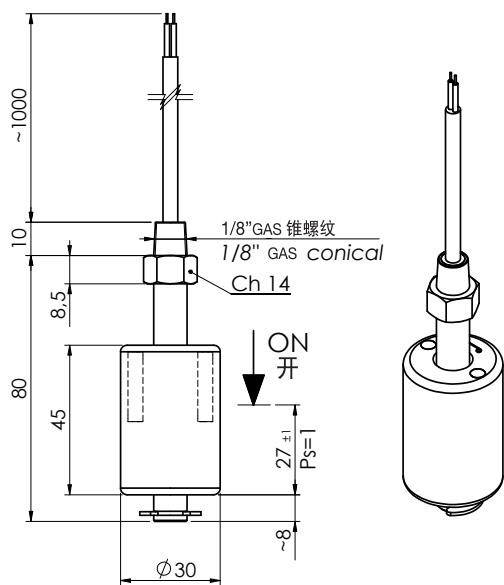
零件代码 - Part Number		
长度 (L=mm)	1 2	3 C 2 NC 关 1 NO 开
100	P33100 - 100	P33100 - 500
150	P33150 - 100	P33150 - 500
200	P33200 - 100	P33200 - 500
250	P33250 - 100	P33250 - 500
300	P33300 - 100	P33300 - 500
350	P33350 - 100	P33350 - 500
400	P33400 - 100	P33400 - 500
450	P33450 - 100	P33450 - 500
500	P33500 - 100	P33500 - 500
翻转浮球可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down		SPDT触点 SPDT Contact

测量介质	矿物油 - 汽油 - 水
固定	M18 X 1.5阳极氧化铝
杆	黄铜
浮球	泡沫尼龙
Seeger	磷青铜
触点类型	簧片 开/关 (SPDT)
开关最大容量	80 W (50 W SPDT)
开关最大电流	1 A (1 A SPDT)
开关最大电压	250 Vac (220 Vac SPDT)
保护等级	IP65
连接器符合	UNI EN 175301-803 (DIN43650) 标准
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +80°C
重量	~ 160 gr (per L=100 mm)

Use	Mineral oils - Fuels - Water
Fixing	M18X1.5 aluminum anodized
Stem	Brass
Float	Foamed nylon
Seeger	Phosphorous bronze
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	80 W (50 W SPDT)
Max switch. current	1 A (1 A SPDT)
Max switch. voltage	250 Vac (220 Vac SPDT)
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C / +80°C
Weight	~ 160 gr (for L=100 mm)

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磁浮子液位传感器
Electromagnetic level sensor



请联系我们的客户服务了解定制版本。（长度、温度 > 80°C等）
使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, temperature > 80°C, etc.) please contact Euroswitch.
When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number			
白色 white	白色 white	棕色 brown	黑色 black 蓝色 blue
P34070 - 100		P34070 - 500	

翻转浮球可切换关/开
The contact can be converted from N.C. to N.O. by rotating the float upside down

装配系统应将地接装置紧固
Grounding must be fasten by assembling system

测量介质	矿物油 - 汽油 - 水
固定	1/8" GAS 锥螺纹
杆	黄铜
浮球	泡沫尼龙
Seeger	磷青铜
电气连接	1000 mm 区域. 0.5 mm² PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	80 W (50 W SPDT)
开关最大电流	1 A (1 A SPDT)
开关最大电压	250 Vac (220 Vac SPDT)
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +80°C
重量	~ gr 85

Use	Mineral oils - Fuels - Water
Fixing	1/8" GAS conical
Stem	Brass
Float	Foamed nylon
Seeger	Phosphorous bronze
Electrical connection	1000 mm section 0.5 mm² PVC
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	80 W (50 W SPDT)
Max switch. current	1 A (1 A SPDT)
Max switch. voltage	250 Vac (220 Vac SPDT)
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C/+80°C
Weight	~ gr 85

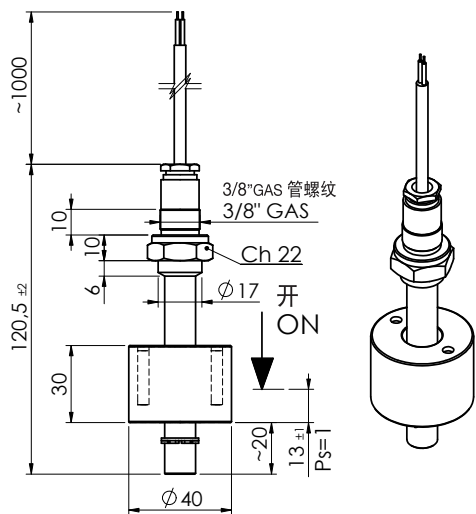
P35

磁浮子液位传感器
Electromagnetic level sensor



请联系我们的客户服务了解定制版本。（长度、温度> 80°C等）
使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, temperature > 80°C, etc.) please contact Euroswitch.
When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.



零件代码 - Part Number			
白色 white		白色 white	棕色 brown
P35085 - 100			黑色 black 蓝色 blue
		P35085 - 500	

翻转浮球可切换关/开
The contact can be converted from N.C. to N.O. by rotating the float upside down

装配系统应将地接装置紧固
Grounding must be fasten by assembling system

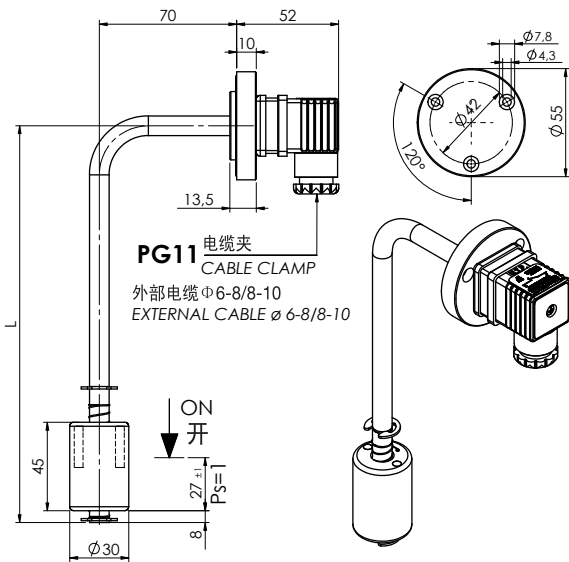
测量介质	矿物油 - 汽油 - 水
固定	3/8" GAS
杆	黄铜
浮球	丁腈橡胶
Seeger	磷青铜
电气连接	1000 mm 区域 0.5 mm² PVC
触点类型	簧片 开/关 (SPDT)
开关最大容量	80W (50W SPDT)
开关最大电流	1 A (1A SPDT)
开关最大电压	250 Vac (220 Vac SPDT)
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +80°C
重量	~ gr 160

Use	Mineral oils - Fuels - Petrol - Water
Fixing	3/8" GAS
Stem	Brass
Float	NBR
Seeger	Phosphorous bronze
Electrical connection	1000 mm section 0.5 mm² PVC
Type of contact	Reed NO/NC (SPDT)
Max switch. capacity	80W (50W SPDT)
Max switch. current	1 A (1A SPDT)
Max switch. voltage	250 Vac (220 Vac SPDT)
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C / +80°C
Weight	~ gr 160

PG30

磁浮子液位传感器
Electromagnetic level sensor

 可要求ATEX版本
Version ATEX available on request



长度 (L=mm)	零件代码 - Part Number	
	1 — 2	3 C — 2 NC 关 1 NO 开
103	PG30103 - 100	PG30103 - 500
200	PG30200 - 100	PG30200 - 500
300	PG30300 - 100	PG30300 - 500
350	PG30350 - 100	PG30350 - 500
翻转浮球可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down		SPDT触点 SPDT Contact

请联系我们的客户服务了解定制版本。（长度、温度 > 80°C等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, temperature > 80°C, etc.) please contact our Customer Service.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	矿物油 - 汽油
安装	侧面
固定	3孔铝质法兰
杆	黄铜
浮球	尼龙泡沫
Seeger	磷青铜
O环	丁腈橡胶
触点类型	簧片 开/关 (SPDT)
开关最大容量	80 W (50 W SPDT)
开关最大电流	1 A (1 A SPDT)
开关最大电压	250 Vac (220 Vac SPDT)
保护等级	IP65
连接器符合	UNI EN 175301-803 (DIN43650) 标准
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +80°C
重量	~ 180 gr

Use	Mineral oils - Fuels
Mounting	Lateral
Fixing	3 Holes Aluminum flange
Stem	Brass
Float	Foamed nylon
Seeger	Phosphorous bronze
O-Ring	NBR
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	80 W (50 W SPDT)
Max switch. current	1 A (1 A SPDT)
Max switch. voltage	250 Vac (220 Vac SPDT)
Protection degree	IP65
With connector according to	UNI EN 175301-803 (DIN43650)
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C / +80°C
Weight	~ 180 gr

P300

磁浮子液位传感器 Electromagnetic level sensor

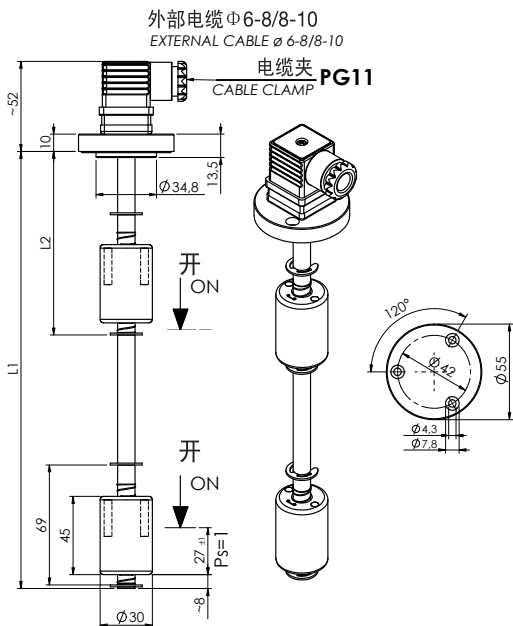
 可要求ATEX版本
Version ATEX available on request

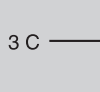


请联系我们的客户服务了解定制版本。（长度、温度 > 80°C等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, temperature > 80°C, etc.) please contact our Customer Service.

For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.



零件代码 - Part Number		
长度 Length L1 mm	长度 Length L2 mm	 2 - L 2 1 - L 1
200	95	P300200 - 600
250	105	P300250 - 600
300	105	P300300 - 600
350	115	P300350 - 600
400	115	P300400 - 600
450	125	P300450 - 600
500	125	P300500 - 600

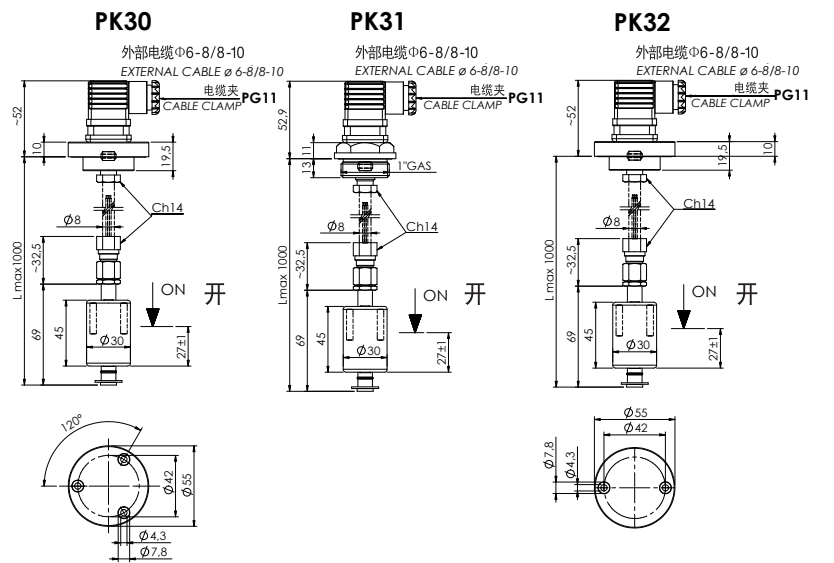
翻转浮球可切换关/开

The contact can be converted from N.C. to N.O. by rotating the float upside down

测量介质	矿物油 - 汽油 - 水
固定	3孔铝（可选用G1"-2孔）
杆	黄铜
浮球	尼龙泡沫
Seeger	磷青铜
O环	丁腈橡胶
触点类型	簧片 开/关
开关最大容量	80 W
开关最大电流	1 A
开关最大电压	250 Vac
保护等级	IP65
连接器符合 UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +80°C
长度	~230 gr (per L= 200 mm)

Use	Mineral oils - Fuels - Water
Fixing	3 holes Aluminum - (Available G1" - 2 holes)
Stem	Brass
Float	Foamed nylon
Seeger	Phosphorous bronze
O-Ring	NBR
Type of contact	Reed N.O./N.C.
Max switch. capacity	80 W
Max switch. current	1 A
Max switch. voltage	250 Vac
Protection degree	IP65
With connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C / +80°C
Weight	~230 gr (for L= 200 mm)

组合式电磁液位传感器
Modular componible electromagnetic level sensor



法兰 - Flange	零件代码 - Part Number	
	1	2
3 孔 - 3 holes	PK30082 - 100	PK30082 - 500
1" GAS 螺纹	PK31082 - 100	PK31082 - 500
2 孔 - 2 holes	PK32082 - 100	PK32082 - 500
翻转浮球可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact	



请联系我们的客户服务了解定制版本。（温度等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (temperatures, etc.) please contact our Customer Service.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.

PK液位传感器可由用户使用提供的拱圆连接器，以及8x6mm直径的铜管，将传感器两端相接。铜管须由用户提供。

PK level sensor can be built by the customer connecting the two parts of the sensor with a brass tube 8 x 6 mm diameter, using the olive fittings provided. The tube must be provided by the customer.

测量介质	矿物油 - 汽油 - 水
固定	PK30 3孔铝质法兰 PK31 1" GAS 气铝螺纹 PK32 2孔铝质法兰
浮球	尼龙泡沫
Seeger	磷青铜
触点类型	簧片 开/关 (SPDT)
开关最大容量	80 W (50 W SPDT)
开关最大电流	1 A (1 A SPDT)
开关最大电压	250 Vac (220 Vac SPDT)
保护等级	IP65
连接器符合 UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +80°C
重量	~ 220 gr

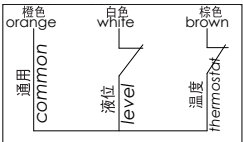
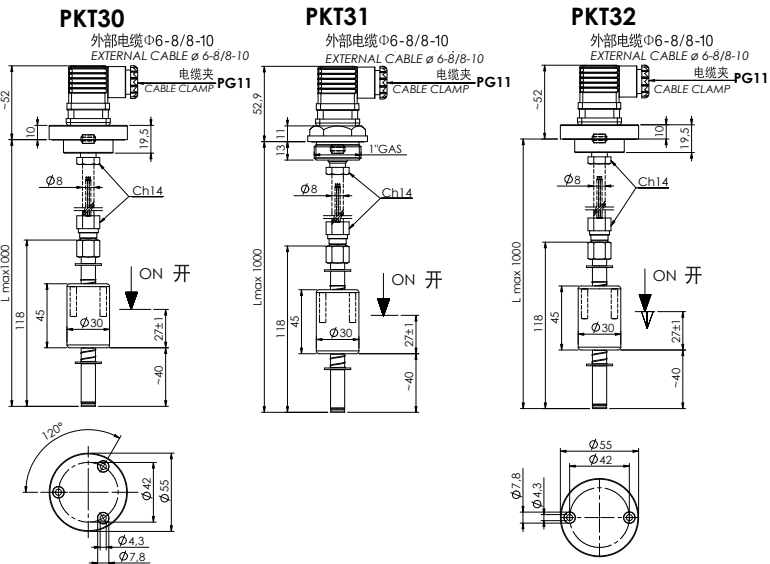
Use	Mineral oils - Fuels - Water
Fixing	PK 30 3 holes Aluminum flange PK 31 1" gas Aluminum thread PK 32 2 holes Aluminum flange
Float	Foamed nylon
Seeger	Phosphorous bronze
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	80 W (50 W SPDT)
Max switch. current	1 A (1 A SPDT)
Max switch. voltage	250 Vac (220 Vac SPDT)
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C / +80°C
Weight	~ 220 gr

温控电磁液位传感器+温度传感器 Electromagnetic level sensor with thermostat



请联系我们的客户服务了解定制版本。（温度等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (temperatures, etc.) please contact our Customer Service.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.



零件代码 - Part Number	
法兰 - Flange	
3孔 - 3 holes	PKT30082 - 100
1"GAS	PKT31082 - 100
2孔 - 2 holes	PKT32082 - 100
翻转浮球可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	

PKT液位传感器可由用户使用提供的拱圆连接器，以及8x6mm直径的铜管，将传感器两端相接。铜管须由用户提供。

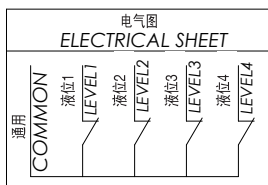
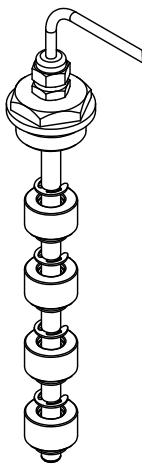
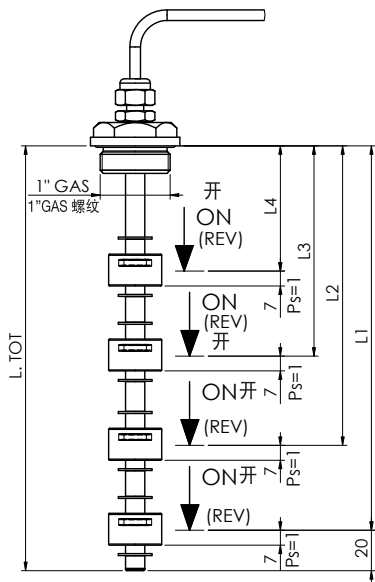
测量介质	矿物油 - 汽油 - 水
固定	PKT30 3孔铝质法兰
	PKT31 1" GAS 气铝螺纹
	PKT32 2孔铝质法兰
浮球	尼龙泡沫
Seeger	磷青铜
触点类型	簧片 开/关 (SPDT)
开关最大容量	80 W (50 W SPDT)
开关最大电流	1 A (1 A SPDT)
开关最大电压	250 Vac (220 Vac SPDT)
保护等级	IP65
连接器符合 UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +80°C
温度	40-50-60-70-80°C N.A./N.C.
重量	~ 220gr

PKT level sensor can be built by the customer connecting the two parts of the sensor with a brass tube 8 x 6 mm diameter, using the olive fittings provided. The tube must be provided by the customer.

Use	Mineral oils - Fuels - Water
Fixing PKT30	3 holes Aluminum flange
Fixing PKT31	1" GAS Aluminum thread
Fixing PKT32	2 holes Aluminum flange
Float	Foamed nylon
Seeger	Phosphorous bronze
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	80 W (50 W SPDT)
Max switch. current	1 A (1 A SPDT)
Max switch. voltage	250 Vac (220 Vac SPDT)
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C / +80°C
thermostat	40-50-60-70-80°C N.O./N.C.
Weight	~ 220 gr

P39

磁浮子液位传感器
Electromagnetic level sensor



请联系我们的客户服务了解定制版本。(长度、固定、温度 > 80°C等)
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

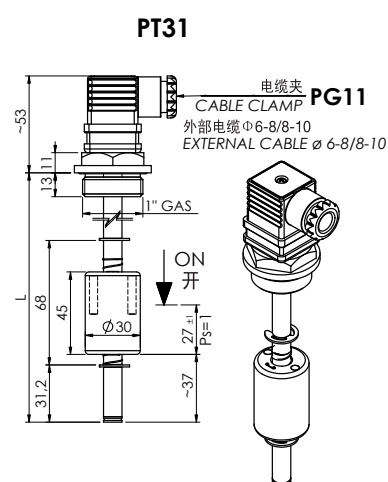
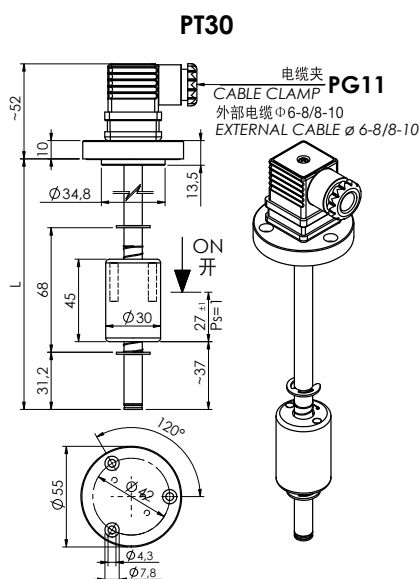
For customized version (length, fixing, temperature > 80°C, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	矿物油 - 汽油 - 水
固定	1"GAS 阳极氧化铝
杆	黄铜
浮球	泡沫尼龙
Seeger	磷青铜
O环	丁腈橡胶
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W
开关最大电流	1 A
开关最大电压	50 V
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-15°C / +80°C

翻转浮球可切换开关
The contact can be converted from N.C. to N.O. by rotating the float upside down

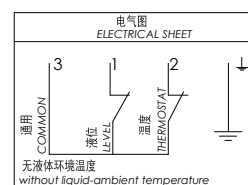
Use	Mineral oils - Fuels - Water
Fixing	Aluminum Anodized 1" GAS
Stem	Brass
Floats	Foamed nylon
Seeger	Phosphorous bronze
O-Ring	NBR
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	40 W
Max switch. current	1 A
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.7
Working temperature	-15°C / +80°C

温控电磁液位传感器+温度开关
Electromagnetic level sensor with thermostat



请联系我们的客户服务了解定制版本。（长度、温度等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, temperatures, etc.) please contact our Customer Service.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.

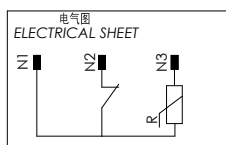
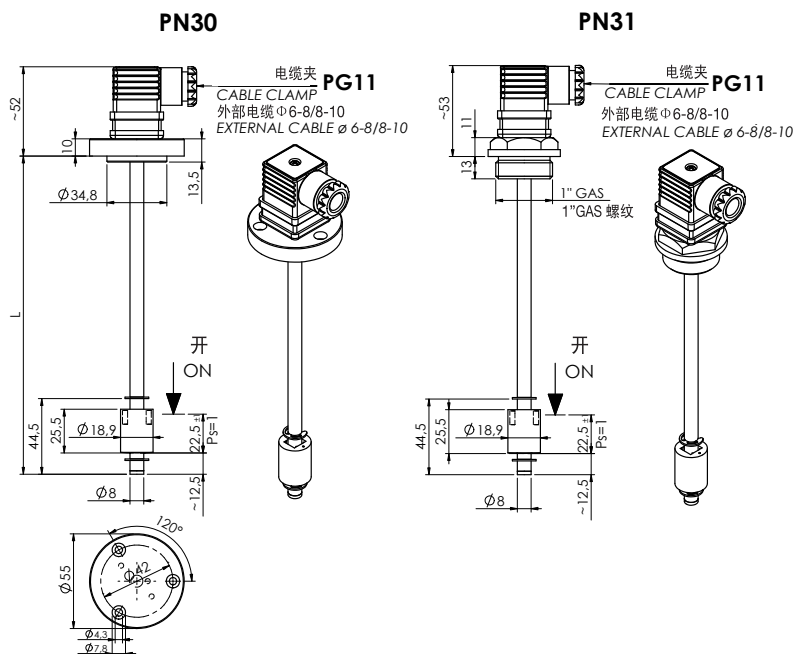


测量介质	矿物油 - 汽油 - 水
固定	PT30 3孔铝质法兰
	PT31 1" GAS 气铝螺纹
杆	黄铜
浮球	尼龙泡沫
Seeger	磷青铜
O环	丁腈橡胶
触点类型	簧片 开/关
开关最大容量	80 W
开关最大电流	1 A
开关最大电压	250 Vac
保护等级	IP65
连接器符合	UNI EN 175301-803 (DIN43650) 标准
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +80°C
工作温度	
温度	40-50-60-70-80°C 开/关
标准长度	150-200-250-300-400-500 mm

翻转浮球可切换开关
The contact can be converted from N.C. to N.O. by rotating the float upside down

Use	Mineral oils - Fuels - Water
Fixing	PT30 3 holes Aluminum flange
	PT31 1" GAS Aluminum thread
Stem	Brass
Float	Foamed nylon
Seeger	Phosphorous bronze
O-Ring	NBR
Type of contact	Reed N.A./N.C.
Max switch. capacity	80 W
Max switch. current	1 A
Max switch. voltage	250 Vac
Protection degree	IP65
	with connector according to UNI EN 175301-803 (DIN43650)
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C / +80°C
Thermostat setting	
temperature	40-50-60-70-80°C N.O./N.C.
Standard lenght	150-200-250-300-400-500 mm

NTC电磁液位传感器+温度传感器 Electromagnetic level sensor with NTC



请联系我们的客户服务了解定制版本。（长度、温度 > 100°C，电压 > 50V等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, temp. > 100°C, voltage > 50V, etc.) please contact our Customer Service.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	矿物油 - 汽油 - 水
固定	PN30 3孔铝质法兰 PN31 1" GAS 气铝螺纹
杆	防腐蚀铝
浮球	尼龙泡沫
Seeger	磷青铜
触点类型	簧片
开关最大容量	20 W
开关最大电流	1 A
开关最大电压	< 50 Vac
保护等级	IP65
连接器符合UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-15°C / +100°C
NTC传感器	根据要求

Use	Mineral oils - Fuels - Water
Connection	PN 30 3 holes Aluminum flange PN 31 1" GAS Aluminum thread
Stem	Alluminum anticorodal
Float	Foamed nylon
Seeger	Phosphorous bronze
Type of contact	Reed
Max switch. capacity	20 W
Max switch. current	1 A
Max switch. voltage	<50 Vac
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-15°C / +100°C
NTC Sensor	on request



可要求ATEX版本
Version ATEX available on request



可要求高温版本
Version High Temperature available on request



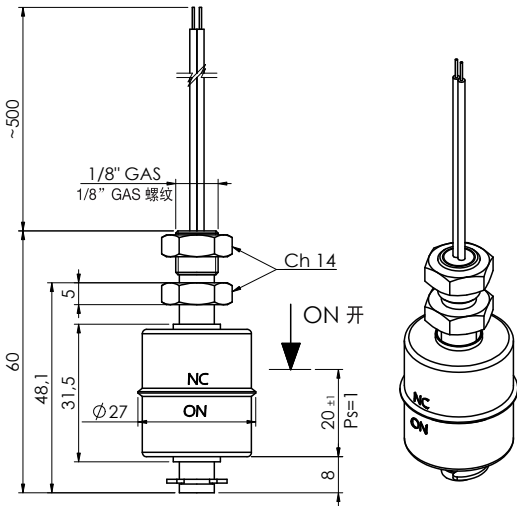
请联系我们的客户服务了解定制版本。（线缆类型、温度 > 100°C等）
使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确使用方法。

For customized version (type of cable, temperature > 100°C, etc.) please contact our Customer Service.
When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals. For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	水 - 油 - 酸液 - 汽油 (可要求液体食物)
固定	1/8" GAS
杆	AISI 304不锈钢
浮球	AISI 316不锈钢
螺帽	AISI 304不锈钢
Seeger	AISI 316不锈钢
输出导线	500 mm
触点类型	簧片 开/关 (SPDT)
开关最大容量	40W (3W SPDT)
开关最大电流	1A (0.25A SPDT)
开关最大电压	250 Vac (50V SPDT)
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-15°C / +100°C (HT -20°C / +200°C)
重量	~ 35 gr

IMP

磁浮子液位传感器 Electromagnetic level sensor



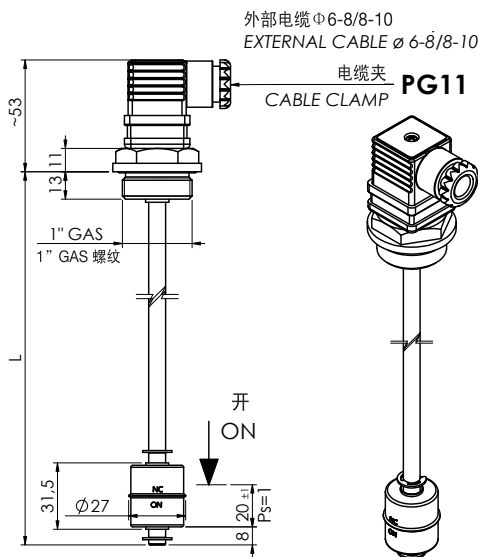
零件代码 - Part Number

1 — 2	棕色 brown 2 NC 关-黑色 black 1 NO 开-蓝色 blue
IMP060 - 100	IMP060 - 500
翻转浮球可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

装配系统必须对地接装置进行紧固
Grounding must be fasten by assembling system

Use	Water - Oil - Acids - Fuels (Alimentary liquids on request)
Fixing	1/8" GAS
Stem	Stainless steel aisi 304
Float	Stainless steel aisi 316
Nut	Stainless steel aisi 304
Seeger	Stainless steel aisi 316
Wiring output	500 mm
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	40W (3W SPDT)
Max switch. current	1A (0.25A SPDT)
Max switch. voltage	250 Vac (50V SPDT)
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.8
Working temperature	-15°C / +100°C (HT -20°C / +200°C)
Weight	~ 35 gr

磁浮子液位传感器
Electromagnetic level sensor



长 度 - Length (L=mm)	零件代码 - Part Number	
	1 — 2	3 C — 2 NC 关 1 NO 开
100	IMG100 - 100	IMG100 - 500
150	IMG150 - 100	IMG150 - 500
200	IMG200 - 100	IMG200 - 500
250	IMG250 - 100	IMG250 - 500
300	IMG300 - 100	IMG300 - 500
400	IMG400 - 100	IMG400 - 500
500	IMG500 - 100	IMG500 - 500

翻转浮球可切换关/开
The contact can be converted from N.C. to N.O. by rotating the float upside down

测量介质	水 - 油 - 酸液 - 汽油 (可要求液体食物)
固定	1" GAS AISI 304 (可要求316)
杆	AISI 304不锈钢 (可要求316)
浮球	AISI 316不锈钢
Seeger	AISI 316不锈钢
O环	丁腈橡胶
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3W SPDT)
开关最大电流	1A (0.25A SPDT)
开关最大电压	< 250 Vac (50V SPDT)
保护等级	IP65
连接器符合UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-15°C / +100°C (HT -20°C / +200°C)
重量	~ 220 gr (L=100 mm)

Ex 可要求ATEX版本
Version ATEX available on request

HT 可要求高温版本
Version High Temperature available on request



请联系我们的客户服务了解定制版本。(不同长度、温度> 100°C等)
使用非绝缘连接时, 应采取必要的防范措施, 以确保端子之间的最小安全距离。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (different length, temperature > 100°C, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

Use	Water - Oil - Acids - Fuels (Alimentary liquids on request)
Fixing	1" GAS AISI 304 (316 on request)
Stem	Stainless steel aisi 304 (316 on request)
Float	Stainless steel aisi 316
Seeger	Stainless steel aisi 316
O-Ring	NBR
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	40 W (3W SPDT)
Max switch. current	1A (0.25A SPDT)
Max switch. voltage	< 250 Vac (50V SPDT)
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.8
Working temperature	-15°C / +100°C (HT -20°C / +200°C)
Weight	~ 220 gr (L=100 mm)

磁浮子液位传感器 Electromagnetic level sensor



可要求ATEX版本
Version ATEX available on request



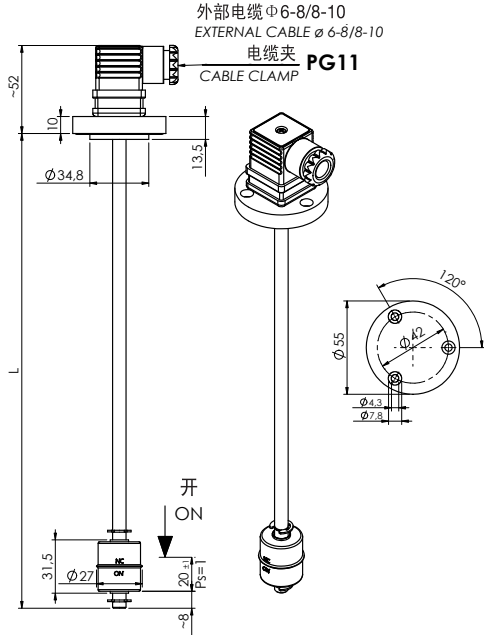
可要求高温版本
Version High Temperature available on request



请联系我们的客户服务了解定制版本。（不同长度、温度 > 100°C 等）
使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。
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For customized version (different length, temperature > 100°C, etc.) please contact Euroswitch.

For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.



长 度 - Length (L=mm)	零件代码 - Part Number	
	1 — 2	3 C — 2 NC 关 1 NO 开
100	IMF100 - 100	IMF100 - 500
150	IMF150 - 100	IMF150 - 500
200	IMF200 - 100	IMF200 - 500
250	IMF250 - 100	IMF250 - 500
300	IMF300 - 100	IMF300 - 500
400	IMF400 - 100	IMF400 - 500
500	IMF500 - 100	IMF500 - 500

翻转浮球可切换关/开
The contact can be converted from N.C. to N.O. by rotating the float upside down

测量介质	水 - 油 - 酸液 - 汽油 (可要求液体食物)
固定	3孔法兰 304 (可要求316)
杆	AISI 304不锈钢 (可要求316)
浮球	AISI 316不锈钢
Seeger	AISI 316不锈钢
O环	丁腈橡胶
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3W SPDT)
开关最大电流	1A (0.25A SPDT)
开关最大电压	< 250 Vac (50V SPDT)
保护等级	IP65
连接器符合UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-15°C / +100°C (HT -20°C / +200°C)
重量	~ 220 gr (L=100 mm)

Use	Water - Oil - Acids - Fuels (Alimentary liquids on request)
Fixing	3 holes flange 304 (316 on request)
Stem	Stainless steel aisi 304 (316 on request)
Float	Stainless steel aisi 316
Seeger	Stainless steel aisi 316
O-Ring	NBR
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	40 W (3W SPDT)
Max switch. current	1A (0.25A SPDT)
Max switch. voltage	< 250 Vac (50V SPDT)
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.8
Working temperature	-15°C / +100°C (HT -20°C / +200°C)
Weight	~ 220 gr (L=100 mm)

磁浮子液位传感器
Electromagnetic level sensor



For customized version (different length, temperature > 100°C, etc.) please contact Euroswitch.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.

Use	Water - Oil - Acids - Fuels (Alimentary liquids on request)
Fixing	G 1/8" cylindrical
Stem	Stainless steel aisi 304 (316 on request)
Nut	Stainless steel aisi
Float	Stainless steel aisi 316
Seeger	Stainless steel aisi 316
Electrical connection	Cable on request
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	40 W (3W SPDT)
Max switch. current	1A (0.25A SPDT)
Max switch. voltage	< 250 Vac (50V SPDT)
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.8
Working temperature	-15°C / +100°C (HT -20°C / +200°C)

P38

磁浮子液位传感器 Electromagnetic level sensor



可要求ATEX版本
Version ATEX available on request



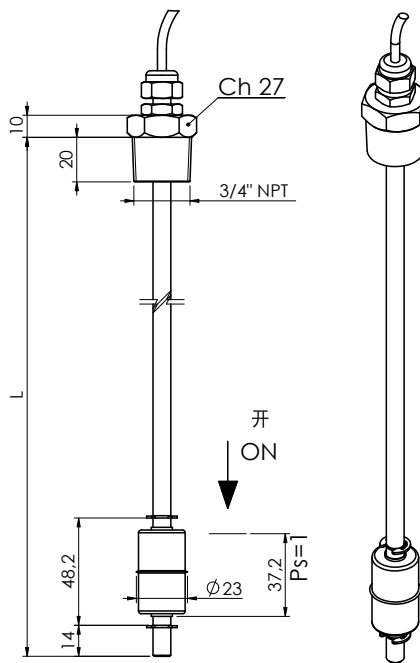
可要求高温版本
Version High Temperature available on request



请联系我们的客户服务了解定制版本。（不同长度、温度 > 100°C等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

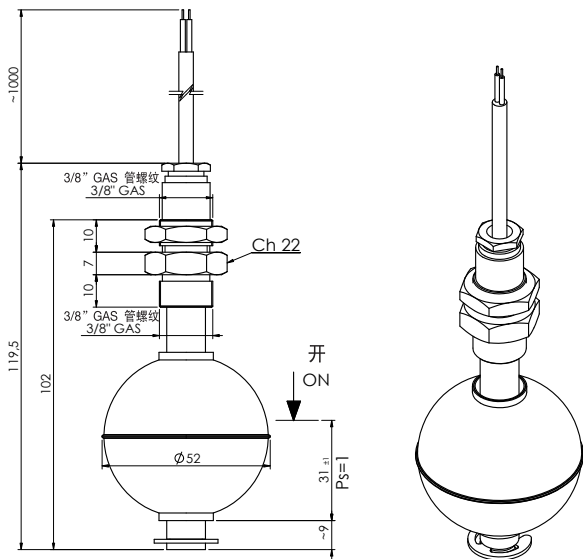
For customized version (different length, temperature > 100°C, etc.) please contact Euroswitch.

For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.



测量介质	水 - 酸液 (可要求液体食物)
固定	3/4"NPT AISI 304(可要求316)
杆	AISI 304不锈钢(可要求316)
浮球	AISI 316不锈钢
Seeger	AISI 316不锈钢
电气连接	可要求线路
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3 W SPDT)
开关最大电流	1 A (0.25 A SPDT)
开关最大电压	<250 Vac (50V SPDT)
动作类型	1B
污染情况	正常
液体比重	> 0.95
工作温度	-15°C / +100°C (HT -20°C / +200°C)

Use	Water - Acids (Alimentary liquids on request)
Fixing	3/4" NPT AISI 304 (316 on request)
Stem	Stainless steel aisi 304 (316 on request)
Float	Stainless steel aisi 316
Seeger	Stainless steel aisi 316
Electrical connection	Cable on request
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	40 W (3W SPDT)
Max switch. current	1A (0.25A SPDT)
Max switch. voltage	< 250 Vac (50V SPDT)
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.95
Working temperature	-15°C / +100°C (HT -20°C / +200°C)



Ex 可要求ATEX版本
Version ATEX available on request

HT 可要求高温版本
Version High Temperature available on request



请联系我们的客户服务了解定制版本。（线缆类型、温度>100°C等）
使用非绝缘连接时，应采取必要的防范措施，以确保端子之间的最小安全距离。
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (type of cable, temperature > 100°C, etc.) please contact our Customer Service.
When using non-insulated connections, the necessary precautions must be taken to ensure the minimum safety distance between the terminals.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number	
IMS102 - 100	IMS102 - 500
翻转浮筒可切换关/开 The contact can be converted from N.C. to N.O. by rotating the float upside down	SPDT触点 SPDT Contact

装配系统必须对地装置进行紧固。
Grounding must be fasten by assembling system

测量介质	水 - 油 - 酸液 - 汽油 (可要求液体食物)
固定	3/8" GAS
杆	AISI 304不锈钢
浮球	AISI 316不锈钢
螺帽	AISI 304不锈钢
Seeger	AISI 316不锈钢
输出线	硅胶线缆 L=1000mm
触点类型	簧片 开/关 (SPDT)
开关最大容量	80 W (50 W SPDT)
开关最大电流	1 A (1 A SPDT)
开关最大电压	<250 Vac (220Vac SPDT)
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-15°C / +100°C (HT -20°C / +200°C)
重量	~ gr 120

Use	Water - Oil - Acids - Fuels (Alimentary liquids on request)
Fixing	3/8" GAS
Stem	Stainless steel aisi 304
Float	Stainless steel aisi 316
Nut	Stainless steel aisi 304
Seeger	Stainless steel aisi 316
Wiring output	Silicon cable L=1000 mm
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	80 W (50 W SPDT)
Max switch. current	1 A (1 A SPDT)
Max switch. voltage	250 Vac (220 Vac SPDT)
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.80
Working temperature	-15°C / +100°C (HT -20°C / +200°C)
Weight	~ gr 120

IMDEX

磁浮子液位传感器

Electromagnetic level sensor

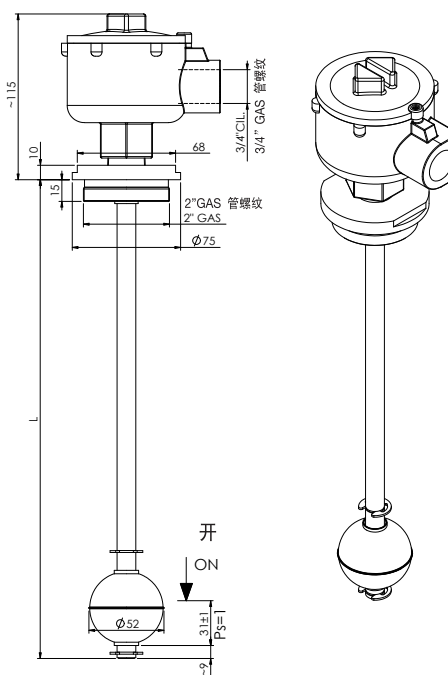


ATEX: 94/9/CE II 1/2 GD Ex ia tD Ilc Tx x证书
ATEX: Certification 94/9/CE II 1/2 GD Ex ia tD Ilc Tx x



请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

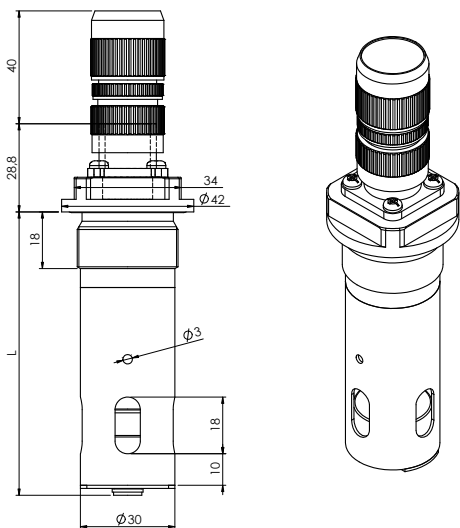


测量介质	水 - 油 - 酸液 - 汽油 (可要求液体食物)
固定	2" GAS
杆	AISI 304不锈钢
箱体	铝制
浮球	AISI 316不锈钢
螺帽	AISI 304不锈钢
Seeger	AISI 316不锈钢
触点类型	开/关
开关最大电流	0.5 A
开关最大电压	24 V
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-20°C / +60°C
长度	根据要求

Use	Water - Oil - Acids - Fuels (Alimentary liquids on request)
Fixing	2" GAS
Stem	Stainless steel aisi 304
Box	Alluminium
Float	Stainless steel aisi 316
Nut	Stainless steel aisi 304
Seeger	Stainless steel aisi 316
Type of contact	N.O./N.C
Max switch. current	0.5 A
Max switch. voltage	24 V
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.80
Working temperature	-20°C / +60°C
Length	on request

APO940

重型操作电磁液位传感器
Electromagnetic level sensor for heavy-duty operations



请联系我们的客户服务了解定制版本。（连接类型、长度等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version
(type of electrical connections, lenght, etc.)
please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	油
固定	M32 x 1.5
杆	镀镍黄铜
稳定间	阳极氧化铝
浮球	丁腈橡胶
O环	氟橡胶
电气连接	卡口式连接器
触点类型	簧片 开/关
开关最大容量	20 W
开关最大电流	1A
开关最大电压	200 Vdc
保护等级	IP 65
动作类型	1B
污染情况	正常
液体比重	> 0.75
工作温度	-40°C/+125°C
长度	L= 根据要求
重量	~ gr 240 (L=165 mm)

Use	Oils
Fixing	M32 x 1.5
Stem	Brass nichel-plating
Stabilized room	Aluminum Anodized
Float	NBR
O-Ring	Viton
Electrical connection	Bayonet connector
Type of contact	Reed N.O./N.C.
Max switch. capacity	20 W
Max switch. current	1A
Max switch. voltage	200 Vdc
Protection degree	IP 65
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.75
Working temperature	-40°C/+125°C
Lenghts	L= on request
Weight	~ gr 240 (L=165 mm)

AP1300

重型操作电磁液位传感器

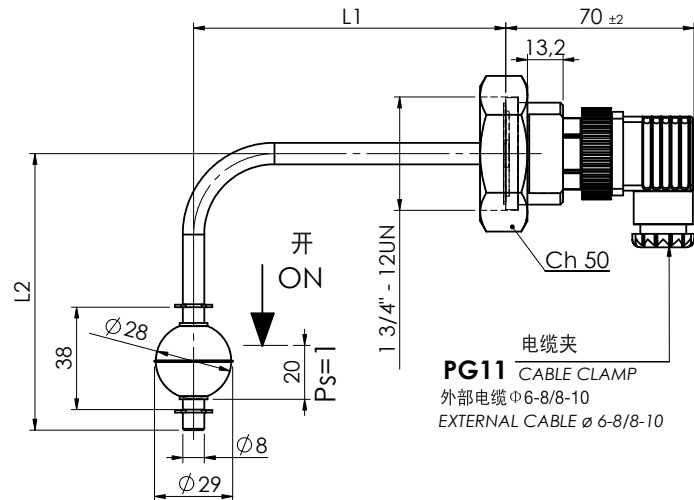
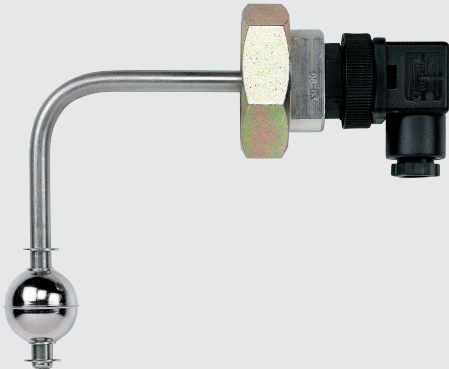
Electromagnetic level sensor for heavy-duty operations



可要求ATEX版本
Version ATEX available on request

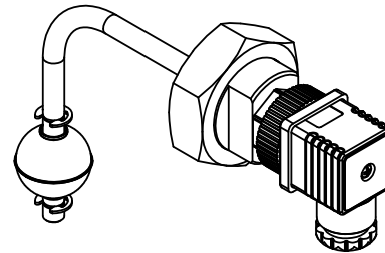


可要求高温版本
Version High Temperature available on request



请联系我们的客户服务了解定制版本。（不同长度、固定类型等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

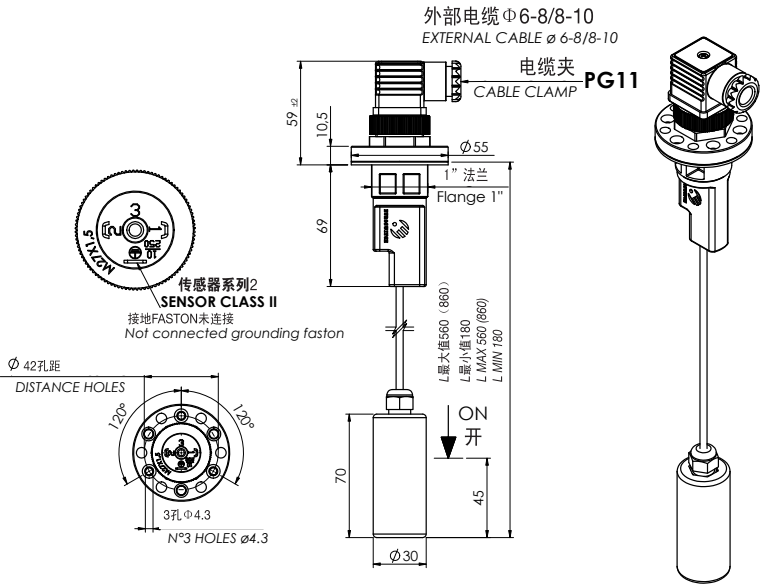
For customized version (different length, fixing, etc.) please contact Euroswitch.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.



测量介质	制冷液体 - 油
固定	1 3/4" - 12UN
杆	AISI 316不锈钢
浮球	AISI 316不锈钢
Seeger	AISI 316不锈钢
触点类型	簧片 开/关 (SPDT)
开关最大容量	40 W (3W SPDT)
开关最大电流	1 A (0.25A SPDT)
开关最大电压	250 Vac (50V SPDT)
保护等级	IP65
连接器符合 UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	+125°C (HT - 20°C / +200°C)
最大压力	30 bar
长度	L1 L2 (可要求)

Use	Refrigerating fluids - Oils
Fixing	1 3/4" - 12 UN
Stem	Stainless steel aisi 316
Float	Stainless steel aisi 316
Seeger	Stainless steel aisi 316
Type of contact	Reed N.O./N.C. (SPDT)
Max switch. capacity	40 W (3W SPDT)
Max switch. current	1A (0.25A SPDT)
Max switch. voltage	250 Vac (50V SPDT)
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.8
Working temperature	+125°C (HT -20°C / +200°C)
Max pressure	30 bar
Lenghts	L1 L2 (on request)

组合式电磁液位传感器
Modular electromagnetic level sensor



最大长度 - Length max (L=mm)	零件代码 - Part Number	
	1 2	3 C 2 NC 关 1 NO 开
560	IMM500 - 100	IMM500 - 500
860	IMM860 - 100	IMM860 - 500

请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

模块化液位传感器的可调显示液位从最低180毫米一直到560毫米（860毫米）。只需将连杆裁切到所需长度并将其用配合系统中的推钮固定，就可以调节干预点。利用法兰2、3或开孔6与1”的螺纹就可以将其固定。由于磁铁位于传感器上方且不接触液体，也可以将其用于含铁粒子的流体中。

Modular level sensor with adjustable indication level from minimum 180mm up to 560mm (860mm). The intervention point can be adjusted just by cutting the rod off to the required length and securing it with the push in fitting system. Can be fixed using flange with 2,3 or 6 holes and also with thread 1". Can also be used in fluids with ferrous particles because the magnet is at the top of the sensor and does not come into contact with the liquid.

测量介质	矿物油 - 汽油
固定	2-3-6孔尼龙法兰 G1"螺纹
杆	AISI 304不锈钢
浮球	丁腈橡胶
垫圈	氟橡胶
触点类型	Reed SPST/SPDT
开关最大容量	80 W (50W SPDT)
开关最大电流	1 A
开关最大电压	250 Vac (220 Vac SPDT)
保护等级	IP65
连接器符合 UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.85 最大长度
工作温度	-15°C/+80°C
重量	~ gr 145

Use	Mineral oils - Fuels
Fixing	2 - 3 - 6 holes Nylon flange G 1" thread
Stem	Inox aisi 304
Float	NBR
Gasket	Viton
Type of contact	Reed SPST/SPDT
Max switch. capacity	80 W (50W SPDT)
Max switch. current	1 A
Max switch. voltage	250 Vac (220 Vac SPDT)
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.85 with L max
Working temperature	-15°C/+80°C
Weight	~ gr 145



组合式电磁液位传感器
Modular componible electromagnetic level sensor

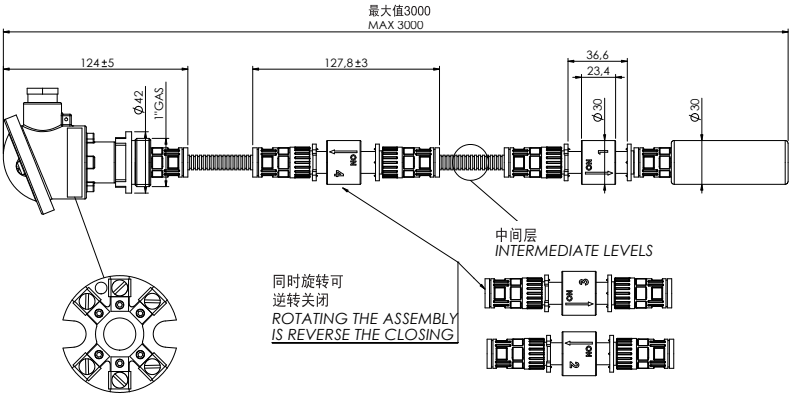


请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。请联系我们的售后服务，以了解更多版本信息。

Please contact Euroswitch for further information on the versions available.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

只利用一根软管，用推入安装方式相继连接模块，此全新系统就可用于迅速组成一个多级（1-5）磁性传感器。全部操作可以用手完成到所需长度。借助这一极其灵活的管系统，就可以将长传感器存储在简约空间中。

测量介质	矿物油 - 汽油
杆	尼龙
固定	1" GAS Al法兰
软管	尼龙
浮球	丁腈橡胶
保护等级	IP65
动作类型	1B
污染情况	正常
液体比重	> 0.6
Seeger	尼龙
连接	尼龙
电气连接	DINB
触点类型	簧片
开关最大容量	12 W/VA
开关最大电流	1 A
开关最大电压	< 50
工作温度	-10°C/+80°C



接线端子连接
TERMINAL BLOCKS CONNECTION

零件代码 - Part Number

开关数量 n° of switches	1 — 2
1	IMK021 - 101
2	IMK021 - 102
3	IMK021 - 103
4	IMK021 - 104
5	IMK021 - 105

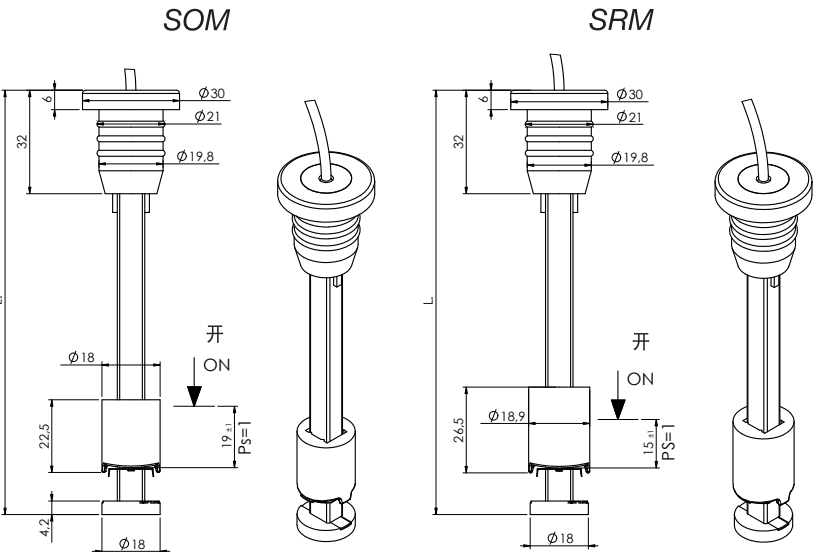
* 翻转浮球可切换关/开，除最低水平
* The contact can be converted from N.C. to N.O. by rotating the float upside down excluding minimum level

This brand -new system can be used to make up a multi level (1-5) magnetic sensor very quickly merely by connetting the modules in succession with a push-in fitting using a hose pipe. The entire operation can be done by hand to the desired lenght. With this extremely flexible tube system long sensors can be stored in a reduced space.

Use	Mineral oils - Fuel
Stem	Nylon
Fixing	1" GAS Al flange
Flexible tube	Nylon
Float	NBR
Protection degree	IP65
Action type	1B
Pollution situation	Normal
Fluid specific weight	> 0.6
Seeger	Nylon
Connection	Nylon
Electrical connect	Terminal blocks DINB
Type of contact	Reed
Max switch. capacity	12 W/VA
Max switch. current	1A
Max switch. voltage	< 50
Working temperature	-10/+80°C

SOM SRM

机电储备传感器
Electromechanical reserve level sensor



零件代码 - Part Number		
L = mm	油 - Oil	石化油 - Petrol
71	SOM 071 - 100	SRM 071 - 100
74	SOM 074 - 100	SRM 074 - 100
81	SOM 081 - 100	SRM 081 - 100
91	SOM 091 - 100	SRM 091 - 100
100	SOM 100 - 100	SRM 100 - 100
104	SOM 104 - 100	SRM 104 - 100

零件代码 - Part Number		
L = mm	油 - Oil	石化油 - Petrol
111	SOM 111 - 100	SRM 111 - 100
116	SOM 116 - 100	SRM 116 - 100
131	SOM 131 - 100	SRM 131 - 100
146	SOM 146 - 100	SRM 146 - 100
150	SOM 150 - 100	SRM 150 - 100
198	SOM 198 - 100	SRM 198 - 100



用于超低电压系统或集电设备传感器。请联系我们的客户服务了解定制版本。（输出电缆、不同长度等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

Sensor for very low-voltage safety circuits or electric accumulators.
For customized version (output cable, different length, etc.) please contact Euroswitch.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.

测量介质	矿物油 - 汽油 - 柴油
固定	SOM防油丁腈橡胶插口 SRM防石油丁腈橡胶插口
杆	尼龙
浮球	尼龙泡沫
固定触点	镀银黄铜
移动触点	镀银磷青铜
输出导线	L = 500 mm PVC
触点类型	机电开关
开关最大容量	5 W
开关最大电流	500 mA
开关最大电压	24 Vdc
动作类型	1B
污染情况	正常
液体比重	> 0.85 (SOM) > 0.7 (SRM)
工作温度	-10°C/+80°C
重量	~ 26 gr (L= 100 mm)

Use	Mineral oils -Petrol-Diesel fuel
Fixing	SOM anti-oil NBR plug SRM anti-petrol NBR plug
Stem	Nylon
Float	Foamed nylon
Fixed contact	Silver plated brass
Moving contact	Silver plat. Phosphorous bronze
Wiring output	L = 500 mm PVC
Type of contact	Electromechanical N.C.
Max switch. capacity	5 W
Max switch. current	500 mA
Max switch. voltage	24 Vdc
Action type	1B
Pullution situation	Normal
Specific liquid weight	> 0.85 (SOM) > 0.7 (SRM)
Working temperature	-10 / +80°C
Weight	~ 26 gr (L= 100 mm)

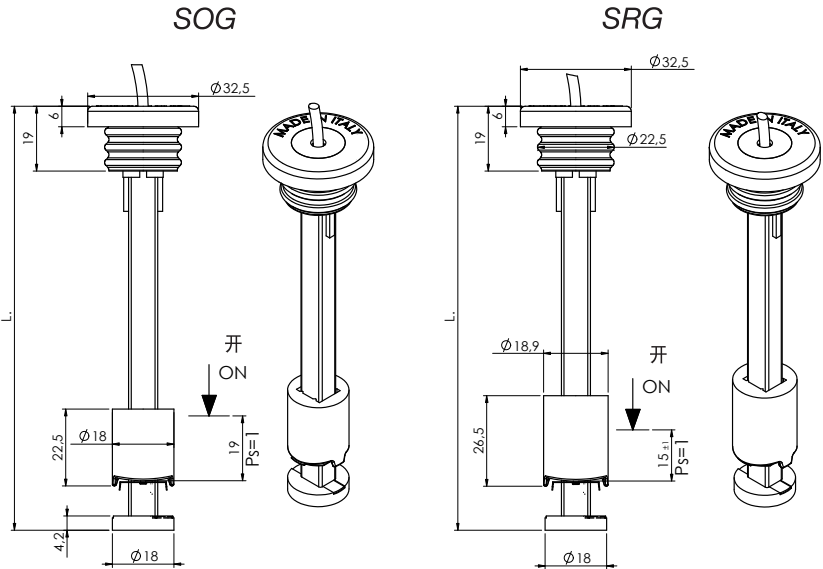
SOG SRG

机电储备传感器
Electromechanical reserve level sensor



用于超低电压系统或集电设备传感器。请联系我们
我们的客户服务了解定制版本。（输出电缆、不同
长度等）
请参考2012版《Euroswitch传感器目录》中的“总
体说明”了解正确的使用方法。

Sensor for very low-voltage safety circuits
or electric accumulators.
For customized version (output cable, different
length, etc.) please contact Euroswitch.
For a correct use please refer to "General
Notes" in the Euroswitch sensors catalogue,
edition 2012.



零件代码 - Part Number		
L = mm	油 - Oil	石化油 - Petrol
53	SOG 053 - 100	
65	SOG 065 - 100	SRG 065 - 100
68	SOG 068 - 100	SRG 068 - 100
75	SOG 075 - 100	SRG 075 - 100
85	SOG 085 - 100	SRG 085 - 100
94	SOG 094 - 100	SRG 094 - 100
98	SOG 098 - 100	SRG 098 - 100

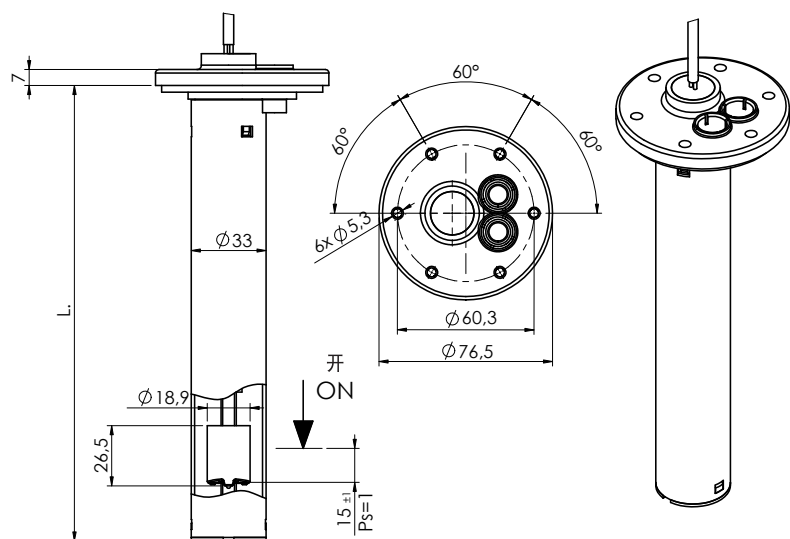
零件代码 - Part Number		
L = mm	油 - Oil	石化油 - Petrol
105	SOG 105 - 100	SRG 105 - 100
109	SOG 109 - 100	SRG 109 - 100
125	SOG 125 - 100	SRG 125 - 100
140	SOG 140 - 100	SRG 140 - 100
144	SOG 144 - 100	SRG 144 - 100
192	SOG 192 - 100	SRG 192 - 100

测量介质	矿物油 - 汽油 - 柴油
固定	SOG防油丁腈橡胶插口
	SRG防油丁腈橡胶插口
杆	尼龙
浮球	尼龙泡沫
固定触点	镀银黄铜
移动触点	镀银磷青铜
输出线	500 mm PVC
触点类型	机电开关
开关最大容量	5 W
开关最大电流	500 mA
开关最大电压	24 Vdc
动作类型	1B
污染情况	正常
液体比重	> 0.85 (SOG) > 0.7 (SRG)
工作温度	-10°C/+80°C
重量	~ 30 gr (L= 109 mm)

Use	Mineral oils - Fuels - Diesel fuel
Fixing	SOG anti-oil NBR plug
	SRG anti-petrol NBR plug
Stem	Nylon
Float	Foamed nylon
Fixed contact	Silver plated brass
Moving contact	Silver plat. Phosphorous bronze
Wiring output	500 mm PVC
Type of contact	N.C. electromechanical
Max switch. capacity	5 W
Max switch. current	500 mA
Max switch. voltage	24 Vdc
Action type	1B
Pullution situation	Normal
Specific liquid weight	> 0.85 (SOG) > 0.7 (SRG)
Working temperature	-10 / +80°C
Weight	~ 30 gr (L= 109 mm)

SRE

带稳定区的机电储备传感器 Electromechanical reserve level sensor with stabilized room



用于超低电压系统或集电设备传感器。请联系我们的客户服务了解定制版本。（输出电缆、不同长度等）
请参考 2012 版《Euroswitch 传感器目录》中的“总体说明”了解正确的使用方法。

Sensor for very low-voltage safety circuits or electric accumulators.
For customized version (output cable, different length, etc.) please contact Euroswitch.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	SRE 柴油
固定	6孔铝制法兰
杆	尼龙
稳定室	PVC
浮球	尼龙泡沫
密封垫圈	防石油橡胶
固定触点	镀银黄铜
移动触点	镀银磷青铜
输出线	500 mm PVC*
触点类型	机电开关
开关最大容量	5 W
开关最大电流	500 mA
开关最大电压	24 Vdc
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-10°C/+80°C
重量	~ 120 gr (L= 185 mm)
长度	可要求
	最小长度 = 100 mm
	最大长度 = 1000mm

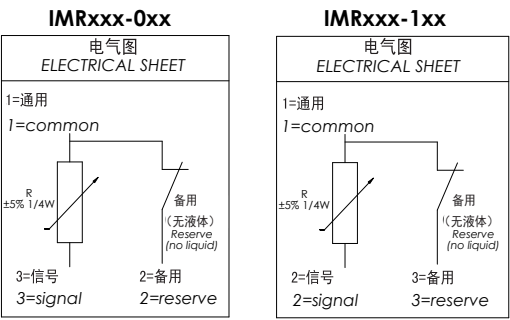
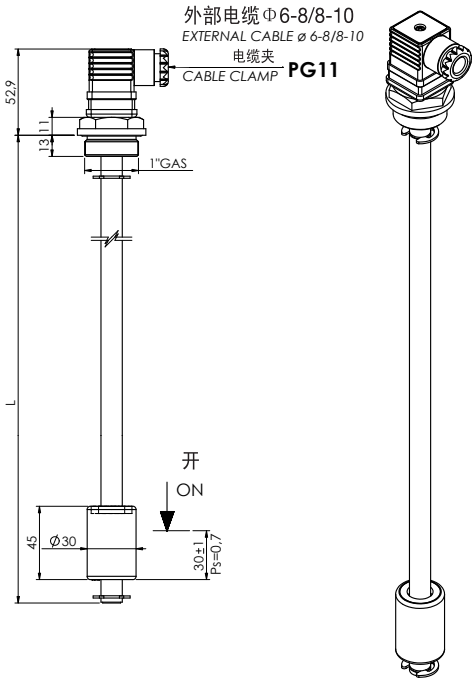
Use	Diesel Fuel
Fixing	6 holes Nylon flange
Stem	Nylon
Stabilized room	PVC
Float	Foamed nylon
Gasket seal	Anti-petrol rubber
Fixed contact	Silver plated brass
Moving contact	Silver plat. Phosphorous bronze
Wiring output	500 mm PVC*
Type of contact	Electromechanical N.C.
Max switch. capacity	5 W
Max switch. current	500 mA
Max switch. voltage	24 Vdc
Action type	1B
Pullution situation	Normal
Fluid specific weight	> 0.7
Working temperature	-10°C / +80°C
Weight	~ 120 gr (for L= 185 mm)
Length	On request
	L min = 100 mm
	L max = 1000 mm

电磁电阻液位传感器
Resistive electromagnetic level sensor



请联系我们的客户服务了解定制版本。（长度、固定类型、输出电阻值、连接等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, type of fixing, value resistance, electrical connection, etc.) please contact our customer service.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.

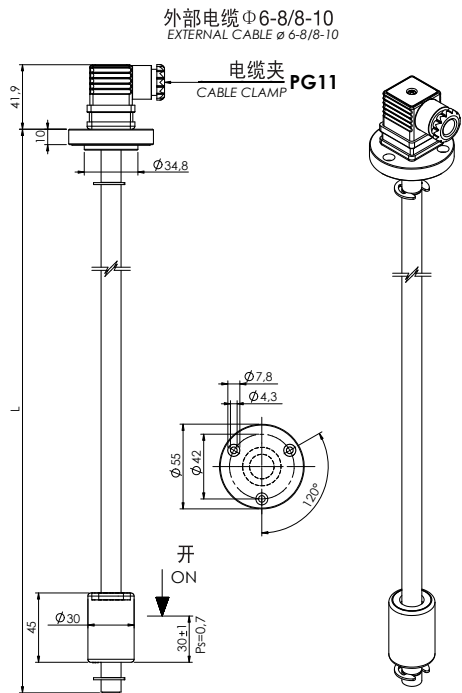


测量介质	水-矿物油-柴油-石油
固定	AI 1" GAS (可要求AISI 304)
杆	钢
浮球	丁腈橡胶
Seeger	AISI 316
O环	丁腈橡胶
保护等级	IP65
连接器符合 UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.6
工作温度	-10°C / +80°C
间距 ((分辨率))	10/20 mm
工作原理	见15页
输出信号	电阻值
	满 5÷7 ohms / 空 315÷330 ohms
	满175÷180 ohms / 空 10÷7 ohms
长度	最小长度 = 100 mm 最大长度 = 2,000 mm

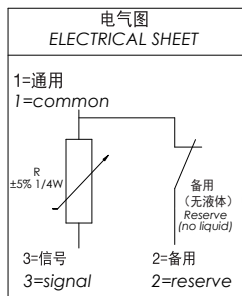
Use	Water - Mineral oils-Diesel fuel-Petrol
Fixing	AI 1" GAS (AISI 304 on request)
Stem	Steel
Float	NBR
Seeger	AISI 316
O-Ring	NBR
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.6
Working temperature	-10°C / +80°C
Pitch (Resolution)	10/20 mm
Working principle	see page 15
Output signal	Resistance values
	full 5÷7 ohms / empty 315÷330 ohms
	full 175÷180 ohms / empty 10÷7 ohms
Length	Lmin = 100 mm Lmax = 2,000 mm

IMRT

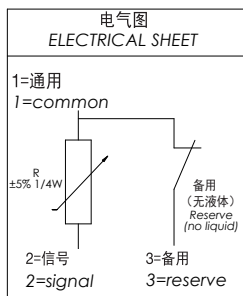
电磁电阻液位传感器 Resistive electromagnetic level sensor



IMRTxxx-0xx



IMRTxxx-1xx



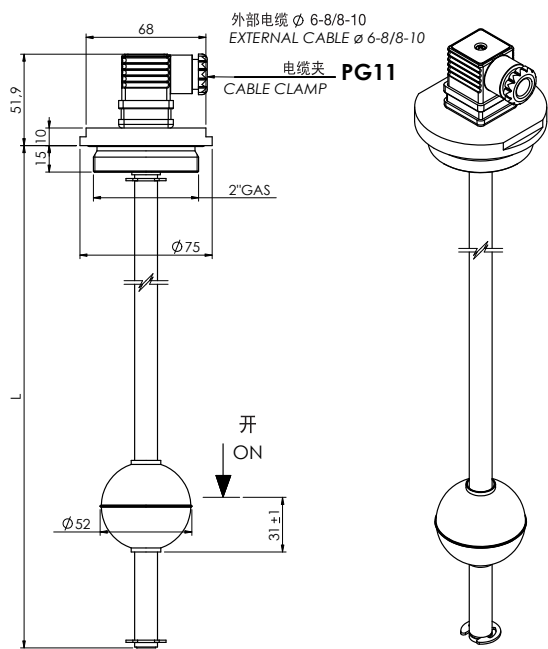
请联系我们的客户服务了解定制版本。（长度、固定类型、输出电阻值、连接等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, type of fixing, value resistance, electrical connection, etc.) please contact our customer service.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	水-矿物油-柴油-石油
固定	3孔Al法兰 (可要求AISI 304)
杆	钢
浮球	丁腈橡胶
Seeger	AISI 316
O环	丁腈橡胶
保护等级	IP65
连接器符合 UNI EN 175301-803 (DIN43650) 标准	
动作类型	1B
污染情况	正常
液体比重	> 0.6
工作温度	-10°C / +80°C
间距 ((分辨率))	10/20 mm
工作原理	见15页
输出信号	电阻值
	满 5÷7 ohms / 空 315÷330 ohm
	满 175÷180 ohms / 空 10÷7 ohms
长度	最小长度 = 100 mm 最大长度 = 2,000 mm

Use	Water - Mineral oils-Diesel fuel-Petrol
Fixing	3 holes flange in Al (AISI 304 on request)
Stem	Steel
Float	NBR
Seeger	AISI 316
O-Ring	NBR
Protection degree	IP65
with connector according to UNI EN 175301-803 (DIN43650)	
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.6
Working temperature	-10°C / +80°C
Pitch (Resolution)	10/20 mm
Working principle	see page 15
Output signal	Resistance values
	pieno 5÷7 ohms / vuoto 315÷330 ohm
	pieno 175÷180 ohms / vuoto 10÷7 ohms
Length	Lmin = 100 mm Lmax = 2,000 mm

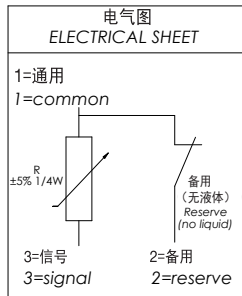
电磁电阻液位传感器 Resistive electromagnetic level sensor



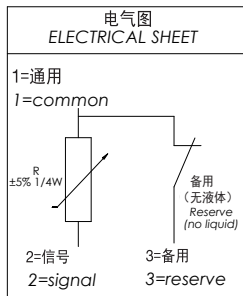
请联系我们的客户服务了解定制版本。（长度、固定类型、输出电阻值、连接等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, type of fixing, value resistance, electrical connection, etc.) please contact our customer service.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

IMRIxxx-0xx



IMRIxxx-1xx



测量介质	水-矿物油-柴油-石油 (可要求液体食物)
固定	2" GAS AISI 304 不锈钢
杆	AISI 304不锈钢
浮球	AISI 316不锈钢
Seeger	AISI 316不锈钢
O环	FKM
保护等级	IP65
连接器符合	UNI EN 175301-803 (DIN43650) 标准
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-10°C / +80°C
间距 ((分辨率))	10/20 mm
工作原理	见15页
输出信号	电阻值
	满 5÷7 ohms / 空 315÷330 ohm
	满 175÷180 ohms / 空 10÷7 ohms
长度	最小长度 = 100 mm 最大长度 = 2,000 mm

Use	Water - Mineral Oils - Acids - Fuels (Alimentary liquids on request)
Connection	Stainless steel aisi 304 thread 2" GAS
Stem	Stainless steel aisi 304
Float	Inox aisi 316
Seeger	Inox aisi 316
O-Ring	FKM
Protection degree	IP65
	with connector according to UNI EN 175301-803 (DIN43650)
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.8
Working temperature	-10°C / +80°C
Pitch (Resolution)	10/20 mm
Working principle	see page 15
Output signal	Resistance values
	pieno 5÷7 ohms / vuoto 315÷330 ohm
	pieno 175÷180 ohms / vuoto 10÷7 ohms
Length	Lmin = 100 mm Lmax = 2,000 mm

IMRC

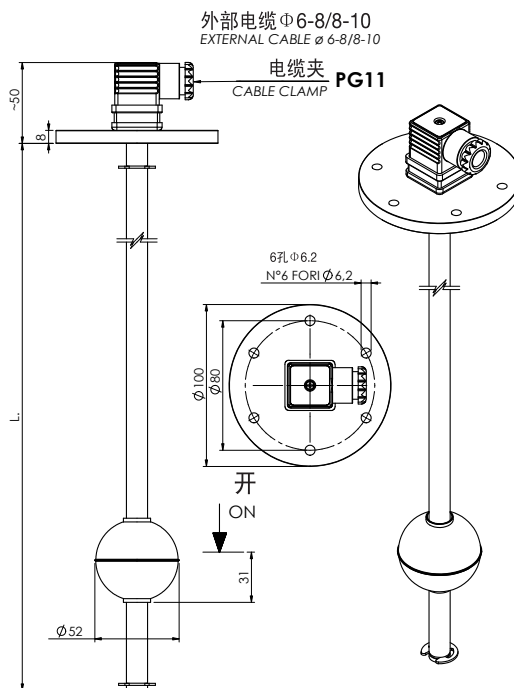
电磁电阻液位传感器

Resistive electromagnetic level sensor

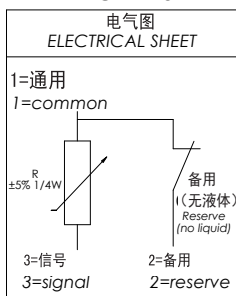


请联系我们的客户服务了解定制版本。（长度、固定类型、输出电阻值、连接等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

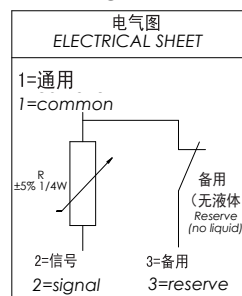
For customized version (length, type of fixing, value resistance, electrical connection, etc.) please contact our customer service.
For a correct use please refer to "General Notes" in the Euroswitch sensors catalogue, edition 2012.



IMRCxxx-0xx



IMRCxxx-1xx

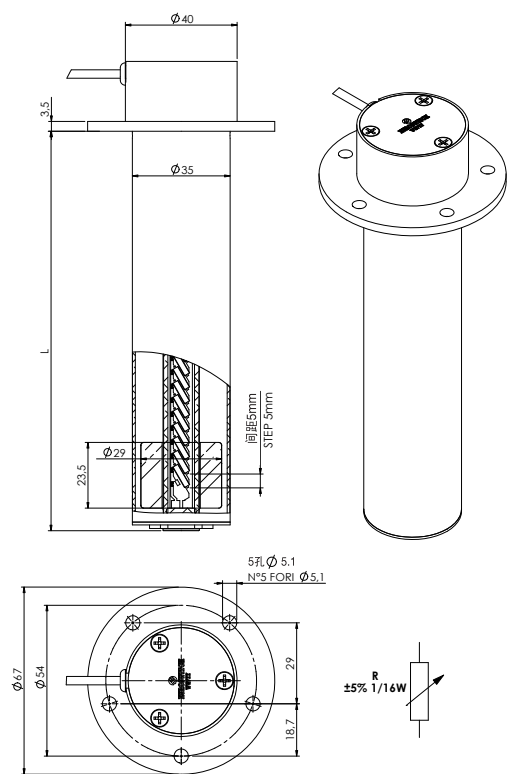


测量介质	水-矿物油-柴油-石油 (可要求液体食物)
固定	6孔AISI 304不锈钢法兰
杆	AISI 304不锈钢
浮球	AISI 316不锈钢
Seeger	AISI 316不锈钢
垫圈	FKM氟橡胶
保护等级	IP65
连接器符合	UNI EN 175301-803 (DIN43650) 标准
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-10°C / +80°C
间距 (分辨率)	10/20 mm
工作原理	见15页
输出信号	电阻值
	满 5÷7 ohms / 空 315÷330 ohm
	满 175÷180 ohms / 空 10÷7 ohms
长度	最小长度 = 100 mm 最大长度 = 2,000 mm

Use	Water - Mineral Oils - Acids - Fuels (Alimentary liquids on request)
Connection	Stainless steel aisi 304 flange 6 holes
Stem	Stainless steel aisi 304
Float	Inox aisi 316
Seeger	Inox aisi 316
Gasket	FKM
Protection degree	IP65
	with connector according to UNI EN 175301-803 (DIN43650)
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.8
Working temperature	-10°C / +80°C
Pitch (Resolution)	10/20 mm
Working principle	see page 15
Output signal	Resistance values
	pieno 5÷7 ohms / vuoto 315÷330 ohm
	pieno 175÷180 ohms / vuoto 10÷7 ohms
Length	Lmin = 100 mm Lmax = 2,000 mm

AP1937

电磁电阻液位传感器
Resistive electromagnetic level sensor



请联系我们的客户服务了解定制版本。（长度、固定类型、输出电阻值、连接等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法

For customized version (length, type of fixing, value resistance, electrical connection, etc.) please contact our customer service.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	水-矿物油-柴油-石油
固定	5孔铝制法兰
杆	铝制
浮筒	丁腈橡胶
Seeger	AISI 316 不锈钢
电气连接	线路500mm
保护等级	IP65
动作类型	1B
污染情况	正常
液体比重	> 0.7
工作温度	-10°C / +80°C
间距 ((分辨率))	5/10 mm
工作原理	见9页
输出信号	电阻值
	满 5÷7 ohms / 空 315÷330 ohm
	满 175÷180 ohms / 空 10÷7 ohms

Use	Water - Mineral oils-Diesel fuel-Petrol
Fixing	Flange 5 holes in aluminium
Stem	Aluminium
Float	NBR
Seeger	AISI 316
Electrical connection	Cable L = 500 mm
Protection degree	IP65
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.7
Working temperature	-10°C / +80°C
Pitch (Resolution)	5/10 mm
Working principle	see page 9
Output signal	Resistance values
	pieno 5÷7 ohms / vuoto 315÷330 ohm
	pieno 175÷180 ohms / vuoto 10÷7 ohms

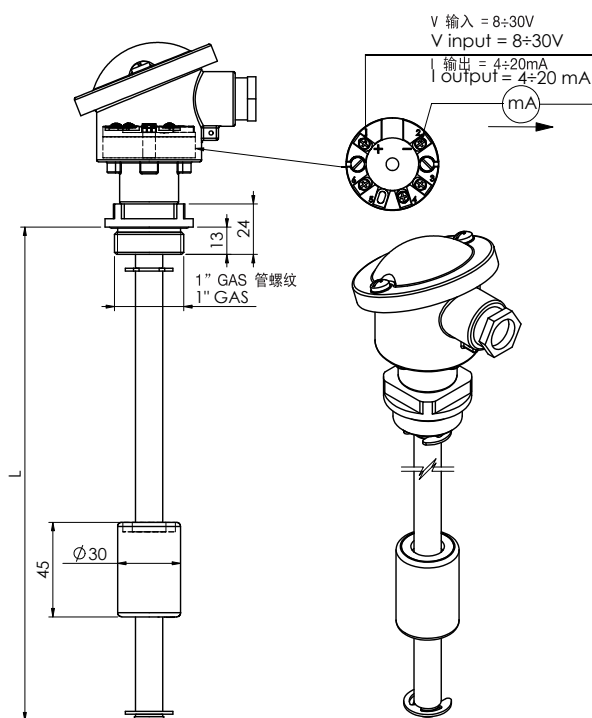
IMRE

模拟4-20 mA传感器 Analogic 4-20 mA level sensor



请联系我们的客户服务了解定制版本。（长度、固定类型等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For customized version (length, type of fixing, etc.) please contact our customer service.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

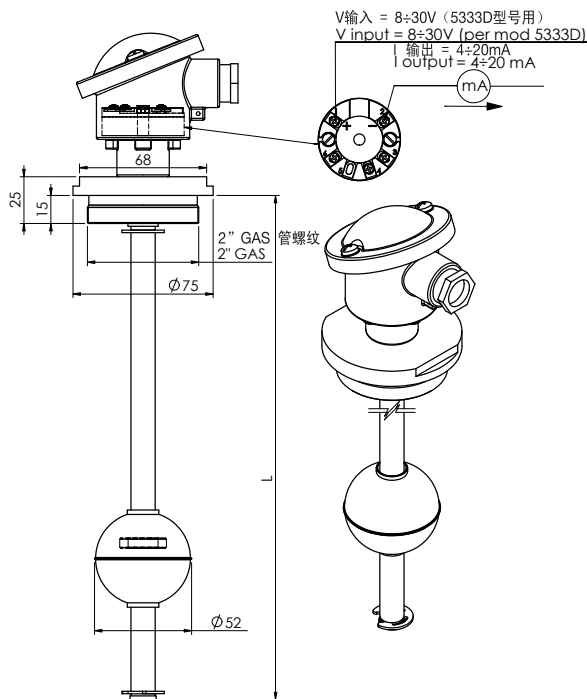


测量介质	水-矿物油-柴油-石油
固定	1" GAS AI (可要求AISI 304)
杆	钢
浮球	丁腈橡胶
Seeger	AISI 316不锈钢
O环	丁腈橡胶
电气连接	DIN B铝制盒
保护等级	IP65
动作类型	1B
污染情况	正常
液体比重	> 0.6
工作温度	-10°C / +80°C
间距 ((分辨率))	10/20 mm
工作原理	见15页
输出信号	4-20 mA模拟
长度	最小长度 = 100 mm 最大长度 = 2,000 mm

Use	Water - Mineral oils-Diesel fuel-Petrol
Fixing	AI 1" GAS (AISI 304 on request)
Stem	Steel
Float	NBR
Seeger	AISI 316
O-Ring	NBR
Electrical connection	Box Aluminum DIN B
Protection degree	IP65
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.6
Working temperature	-10°C / +80°C
Pitch (Resolution)	10/20 mm
Working principle	see page 15
Output signal	Analogic 4-20 mA
Length	Lmin = 100 mm Lmax = 2,000 mm

IMRF

模拟4-20 mA传感器
Analogic 4-20 mA level sensor



请联系我们的客户服务了解定制版本。（长度、固定类型等）
请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

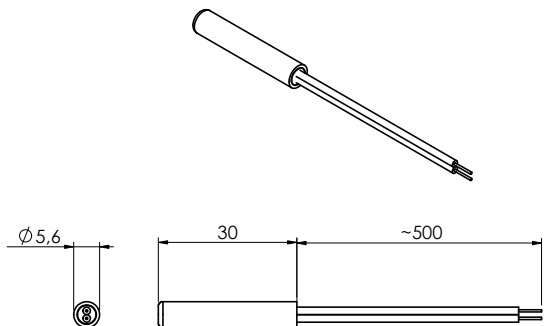
For customized version (length, type of fixing, etc.) please contact our customer service.
For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

测量介质	水-矿物油-柴油-石油
固定	2" GAS AISI 304 不锈钢
杆	钢
浮球	Inox AISI 316
Seeger	AISI 316不锈钢
O环	丁腈橡胶
电气连接	DIN B铝制盒
保护等级	IP65
动作类型	1B
污染情况	正常
液体比重	> 0.8
工作温度	-10°C / +80°C
间距 ((分辨率))	10/20 mm
工作原理	见15页
输出信号	4-20 mA模拟
长度	最小长度 = 100 mm 最大长度 = 2,000 mm

Use	Water - Mineral oils-Diesel fuel-Petrol
Fixing	Inox AISI 304 2" GAS
Stem	Steel
Float	Inox AISI 316
Seeger	AISI 316
O-Ring	NBR
Electrical connection	Box aluminum DIN B
Protection degree	IP65
Action type	1B
Pollution situation	normal
Fluid specific weight	> 0.8
Working temperature	-10°C / +80°C
Pitch (Resolution)	10/20 mm
Working principle	see page 15
Output signal	Analogic 4-20 mA
Length	Lmin = 100 mm Lmax = 2,000 mm

P930

簧片位置传感器
Reed position sensors



请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

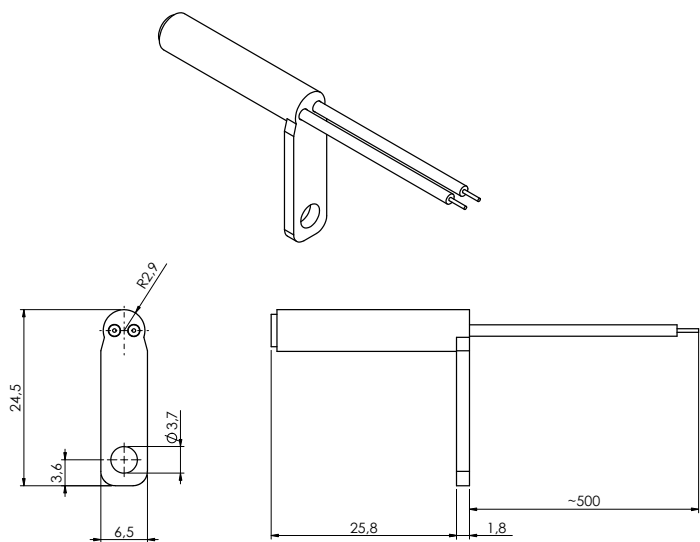
零件代码 - Part Number	
	黑色 black
	黑色 black
P930	P930FZ - 100

杆	尼龙
输出线	500 mm PVC
触点类型	簧片
开关最大容量	10 W
开关最大电流	0.5 A
开关最大电压	< 50 V
动作类型	1B
污染情况	正常
工作温度	-10°C / +80°C
重量	~ 10 gr

Stem	Nylon
Wiring output	500 mm PVC
Type of contact	Reed
Max switch. capacity	10 W
Max switch. current	0.5 A
Max switch. voltage	< 50 V
Action type	1B
Pollution situation	normal
Working temperature	-10°C / +80°C
Weight	~ 10 gr

P900

簧片位置传感器
Reed position sensors



请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number

传感器 sensor	黑色 black	黑色 black
P900		P900FZ - 100

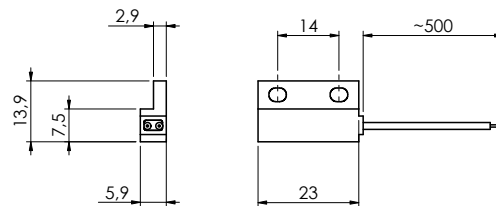
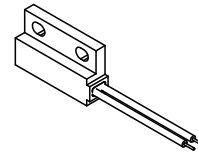
杆	尼龙
输出线	500 mm PVC
触点类型	簧片
开关最大容量	10 W
开关最大电流	0.5 A
开关最大电压	50 V
动作类型	1B
污染情况	正常
工作温度	-10°C / +80°C
重量	~ 8/10 gr

Stem	Nylon
Wiring output	500 mm PVC
Type of contact	Reed
Max switch. capacity	10 W
Max switch. current	0.5 A
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Working temperature	-10°C / +80°C
Weight	~ 8/10 gr

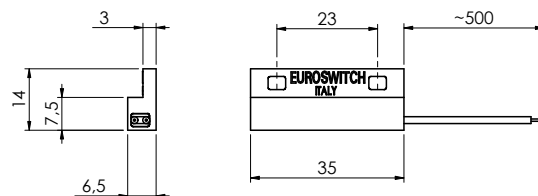
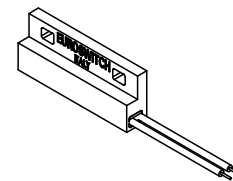
P915 P920

簧片位置传感器
Reed position sensors

P915



P920



请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number

传感器 sensor	黑色 black	黑色 black	棕色 3C brown	2 NC 关-白色 white 1 NO 开-黑色 black
P915	P915FZ - 100			
P920	P920FZ - 100		P920FZ - 500	

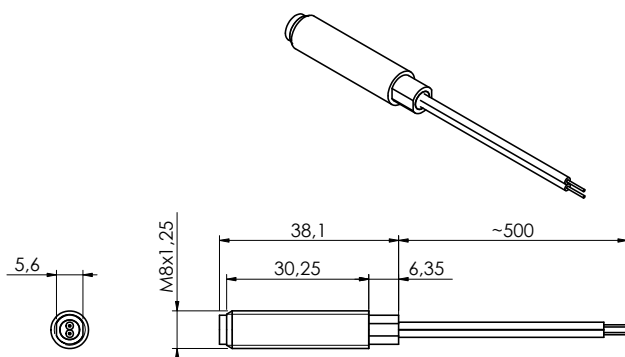
杆	尼龙
输出线	500 mm PVC
触点类型	P915 簧片 开 P920 簧片 开 /SPDT
开关最大容量	P915 10 W P920 40 W (3W SPDT)
开关最大电流	P915 0.5 A P920 1 A (0.25A SPDT)
开关最大电压	50 V
动作类型	1B
污染情况	正常
工作温度	-10°C / +80°C
重量	~ 8/10 gr

Stem	Nylon
Wiring output	500 mm PVC
Type of contact	P915 Reed N.O. P920 Reed N.O./SPDT
Max switch. capacity	P915 10 W P920 40 W (3W SPDT)
Max switch. current	P915 0.5 A P920 1 A (0,25A SPDT)
Max switch. voltage	50 V
Action type	1B
Pollution situation	normal
Working temperature	-10°C / +80°C
Weight	~ 8/10 gr

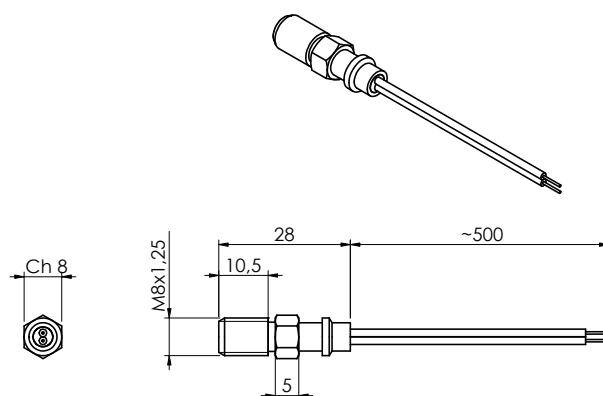
I930 I935

簧片位置传感器
Reed position sensors

I930



I935



请参考2012版《Euroswitch传感器目录》中的“总体说明”了解正确的使用方法。

For a correct use please refer to “General Notes” in the Euroswitch sensors catalogue, edition 2012.

零件代码 - Part Number

	黑色 black	黑色 black
I930		I930FZ - 100
I935		I935FZ - 100

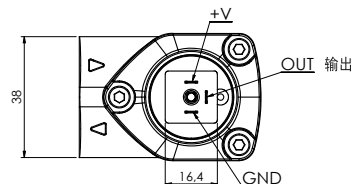
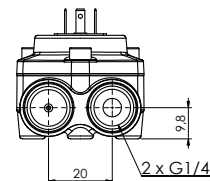
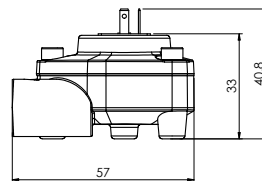
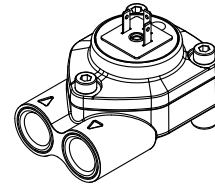
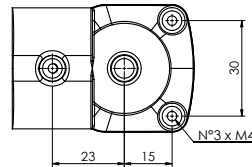
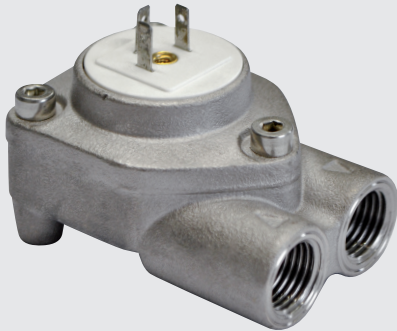
杆	阳极氧化铝 M8 x 1.25
输出线	500 mm PVC
触点类型	簧片 开
开关最大容量	10 W
开关最大电流	0.5 A
开关最大电压	< 50 V
动作类型	1B
污染情况	正常
工作温度	-40°C / +80°C
重量	~ 10/12 gr

Stem	Aluminum anodized M8 x 1,25
Wiring output	500 mm PVC
Type of contact	Reed N.O
Max switch. capacity	10 W
Max switch. current	0.5 A
Max switch. voltage	< 50 V
Action type	1B
Pollution situation	normal
Working temperature	-40°C / +80°C
Weight	~ 10/12 gr

PRI121

流量测量传感器

Flow measurement sensor for liquids



这种液体测量传感器已被专门应用于浓缩咖啡机市场。

由于其专业化，可以很容易地将其应用于这些机器中，以测定供水流量。

机械和电气特性使其适用于已上市的大多数咖啡机。

它有多种不同的构造：即喷嘴直径从1到6.5毫米，输出连接器还配备定制电缆。

请参考机械制图了解主要尺寸和安装孔。

This measurement sensor for liquid has been specifically designed for espresso coffee machine market.

Due to its specialization it can be easily used on these machine to measure the lux of water supplied.

The mechanical and electrical characteristics make it compatible with the most of the coffee machines already on the market.

It's available with many different configurations: i.e. the nozzles diameter from 1 up to 6.5 mm, the output connector also with custom cable.

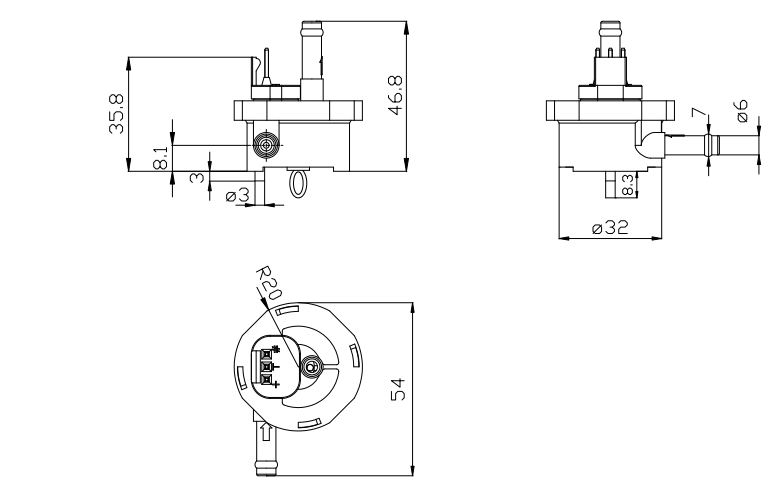
The mechanical drawing show the main dimension and mounting holes

测量介质	食品工业设备 浓缩咖啡设备 食品/咖啡售卖机 测量液体
电气特性	
电压	4.5/24 Vdc
输出特性	上拉电阻集电极开路 2.2 Kohm I sink < 50 mA
工作温度	-10 / +100° C (带LED最高70°C)
输出连接器	集成三路连接器 tipo DIN43650-C int. 9.4 可要求电缆和连接器
机电特性	
安装位置	横向
机身	TM2处理专利黄铜
垫圈	丁腈橡胶
涡轮	聚偏氟乙烯
螺丝	A2不锈钢
连接	GAS 1/4" (可要求其他规格)
喷嘴	Ø 1 至 6.5 mm
最大工作压力	20 bar
精确度	+/- 2%
流量	35 至 5000 cc/分钟, 根据压力不同

Application fields	food process industry machinery Espresso caffè machines food / coffee vending machines measurement of liquids
ELECTRICAL CHARACTERISTICS	
Supply voltage	4.5/24 Vdc
Output characteristics	Open Collector with pull up resistance 2.2 Kohm I sink < 50 mA
Operating temperature	-10 / + 100° C (with led max 70°C)
Output connector	Integrated triple ways connector type DIN43650-C int. 9.4 On request electrical cables and connector
MECHANICAL CHARACTERISTICS	
Fitting position	Horizontal
Case	Brass with TM2 treatment patented
Gasket	NBR
Turbine	PVDF
Screws	Stainless steel A2
Connections	GAS 1/4" (other on request)
Nozzles	Ø from 1 up to 6.5 mm
Max operating pressure	20 bar
Accuracy	+/- 2%
Flow rate	a function of pressure from 35 up to 5000 cc/min

PRJ015

流量测量传感器
Flow measurement sensor for liquids



PRJ015测量传感器属于EUROSWITCH-INTEA测量磁通传感器类型，其设计与开发可满足咖啡机（家用型、专业型和自动售货型）制造市场的苛刻要求。

该传感器采用优质材料制作而成，具有卓越的性能，通常置于水槽与泵之间。

该传感器具有优良的机械和电子特性，能够与当前市场上大多数咖啡机相匹配。

该传感器满足定制化要求，如喷嘴直径、电线电缆、终端接头以及外部连接器盖的颜色。

请参考外部机械尺寸和安装孔。

This measurement sensor PRJ015, enlarge the measurement flux sensor family from EUROSWITCH-INTEA, designed and developed under the precise request from coffee machine maker market, domestic, professional and vending.

This sensor, works in suction and is placed between the tank and the pump, thanks to the it's characteristic and material use to built it.

The mechanical and electrical characteristics make it compatible with almost the coffee machines already on the market.

It is available with some customized characteristics like: nozzle diameter, cabling harnesses, ending connector and the colour of the external connector cap.

Here you can find the external mechanical dimension and mounting holes.

测量介质	食品工业设备 浓缩咖啡设备 食品/咖啡售卖机 测量液体
电气特性	
电压	4.5/24 Vdc
输出特性	2.2 Kohm上拉电阻集电极开路
输出电流	最大20mA
输出信号	方波占空比50% 每圈1脉冲
工作温度	-10 / + 60° C
输出连接器	集成三路连接器 MOLEX类型KK 2.96 mm 可要求电缆和连接器
机电特性	
材质	机身PTB 35%GF 涡轮-聚偏氟乙烯 垫圈-三元乙丙橡胶70 磁铁-SaCo聚对二甲苯涂层
连接	外部直径6mm，内部直径3.5mm插口
喷嘴	1.8mm校准直径
压力范围	1 bar / 最大 + 0.2 bar (25°C)
精确度	+/- 2%
流量	35至400 cc/分钟，喷嘴Ø 1mm 150至900 cc/分钟，喷嘴Ø 1.8mm
安装位置	横向

Application fields	food process industry machinery Espresso caffè machines food / coffee vending machines measurement of liquids
ELECTRICAL CHARACTERISTICS	
Supply voltage	4.5/24 Vdc
Output characteristics	Open Collector with pull up resistance at 2.2 Kohm
Output current	Max 20 mA
Output signal	Square wave Duty cycle ~50% 1 impulse for turn
Operating temperature	-10 / +60° C
Output connector	Integrated tri-polar connector MOLEX type KK 2.96 mm Electrical cables and connector on request
MECHANICAL CHARACTERISTICS	
Material used	Housing PTB 35%GF Turbine PVDF Gasket EPDM 70 Magnets SaCo Parylene coated
Connection	plug-in with diameters ext 6mm - int 3.5 mm
Nozzle size	calibrated diam. 1.8 mm
Pressure range	1 bar / max + 0.2 bar (a 25°C)
Accuracy	+/- 2%
Flow rate	from 35 up to 400 cc/min with nozzle Ø 1mm from 150 up to 900 cc/min with nozzle Ø 1.8mm
Installation	Horizontally

备注
Notes





集团优势

MONT.EL集团专业从事配线系统、电动电器类设备和传感器的设计和生产。这是一个能够对可提供完整产品的外部资源整合的公司网络，可以进行综合设计或者根据客户要求定制生产。我们致力于生产品质卓越、高效率、高精度和最可靠的产品。**MONT.EL**集团依托于六个成员公司的专业技能、实际知识和专业知识！其中的四家位于意大利境内，分别是MONT.EL（布线系统），INTEA（电子传动与控制设备的设计和开发），EUROSWITCH的（液位，压力，温度和旋转传感器），以及AME（电气设备），另外两家则是罗马尼亚的SIRE（布线系统和机电组件，装配）和TECHTRON（电子设备）。



电气和电子设备
electric and electronic equipment



液位、压力、温度传感器
level, pressure,
temperature sensors



应用电子技术
applied electronic technologies



电气设备
electrical equipment



布线及装配
wirings, assembly



电子设备
electronic equipments

the group's strengths

The MONT.EL Group specialises in the design and manufacture of wiring systems, and electric and electronic equipment and sensors. It is a fully integrated network of companies dealing with advanced outsourcing that can offer a complete product, which is co-engineered or made to customer drawing, and features superior quality, efficiency, accuracy and maximum reliability. The MONT.EL Group relies on the professional skill, know-how and expertise of the six member companies. Four are based in Italy - MONT.EL (wiring systems), INTEA (design and development of electronic drive and control equipment), EUROSWITCH (level, pressure, temperature and rotation sensors), and AME (electrical equipment) and two in Romania - SIRE (wiring systems and electro-mechanical assemblies) and TECHTRON (electronic equipment).



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