

**电子（革新）进化 压力传感器  
IO-Link 传感器 压力开关和真空开关  
差速堵塞指示器 温度 液位  
位置和速度霍尔效应传感器**

**Electronic (R)evolution Pressure Transmitters  
IO-Link Sensors Pressure and Vacuum switches  
Differential clogging indicators Temperature Level  
Position and speed hall effect sensors**



**EUROSWITCH**  
*excellence in sensors*



# EUROSWITCH

excellence in sensors

Euroswitch 于1978年在 Sale Marasino 成立，是液位、压力、温度和旋转传感器设计和生产的领军企业，其质量管理体系通过了 UNI EN ISO 9001:2015 认证，其环境管理体系通过了UNI EN ISO 14001 2015 认证，并获得了45001-2018工作健康与安全管理认证。

该公司位于伊塞奥湖(Lake Iseo) 地区，在得天独厚的自然环境中，逐渐发展壮大，并在国际市场上站稳了脚跟，同时与本地区保持着紧密联系，并对环境极为关注。凭借尖端技术的应用、高效灵活的组织管理和高素质的员工，并根据多样化的需求，致力于为客户提供定制解决方案。

*Founded in Sale Marasino in 1978, Euroswitch leads the way in the design and manufacture of Level, Pressure, Temperature and Rotation Sensors, with a Quality Management System certified under UNI EN ISO 9001:2015, and an Environmental Management System certified under UNI EN ISO 14001 2015 and with Certification of the Occupational Health and Safety Management System 45001-2018.*

*Located against the magnificent backdrop of Lake Iseo, the company gradually earned a name for itself in the global marketplace while maintaining close links with its hometown and focusing on environmental protection.*

*Our mission is to develop custom solutions using state-of-the-art technology, backed up by an efficient and flexible organisation plus a highly skilled workforce.*



# 电子（革新）进化 Electronic (R)evolution



SCD 4.0 界面（传感器配置设备）允许用户直接对四种类型的探头进行编程。除了 4-20 mA 模拟输出外，还可以设置 2 个数字信号来设置压力、温度和液位阈值。

SCD 4.0 interface (Sensor Configurator Device) which allows the user to directly program four types of sensors.

In addition to the analogic 4-20 mA output, 2 digital signals can be setted to adjust pressure, temperature and level thresholds.

# 压力传感器 Pressure Transmitters



mod. ESP M12

mod. ESP  
Compact version

mod. ESP Deutsch



带输出信号的陶瓷元件压力传感器

模拟 4 ÷ 20 mA, 电压 0.5 ÷ 4.5 V 0 ÷ 10 1 ÷ 5

V, CAN 总线

压力控制范围 -1 ÷ 600 bar。

Ceramic Sensitive element pressure transducers, with measuring range

Analogic 4÷20 mA, Voltage output 0,5÷4,5 V-10 1÷5 V, CAN bus

Measuring pressure range -1÷600 .

# IO-Link 传感器 IO-Link Sensors



mod. 987

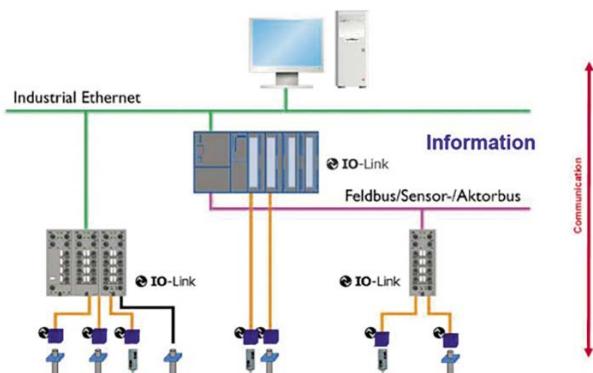
mod. ESL IO-Link

mod. EST IO-Link

IO-Link 是一种串行通信协议，专门设计用于在所谓的“最后一英里”或企业通信的最后一段中与传感器和执行器进行通信。它可以与 Profibus 和 Profinet 集成：前者是一个标准化和开放的数字通信系统，可用于从制造到监控的所有应用领域；后者，Profinet 是工业以太网的创新开放标准。新型 Euroswitch 传感器的共同点正是集成了 IO-Link 协议，用于在兼容的 IO 系统和现场设备之间进行点对点通信。它允许传感器和支持它的设备之间进行双向数据交换。每个 IO-Link 传感器都有一个 IODD 文件（IO 设备描述），用于对设备及其相关的 IO-Link 功能进行解写。IO-Link 通信具有许多优势，例如单线通信（用于双向通信的单线）、高级诊断和更高的数据可用性、配置和远程监控、简化设备更换。这些优势意味着机器管理的改进和流程效率的提高，从而降低了总体成本。Euroswitch 是意大利 PROFIBUS 和 PROFINET 联盟的成员，该联盟作为意大利工业通信的业界标杆，汇集了 70 多家共享 Profibus、Profinet 和 IO-Link 技术的公司。

0-Link is a serial communication protocol, specifically developed for communicating with sensors and actuators in what is generally defined "the last mile", that is the last part of the corporate communication. It can be integrated with Profibus and Profinet: the former is a standardized and open digital communication system that can be used in each application field, from the manufacturing sector to the process industry, while Profinet is the innovative open standard for Industrial Ethernet. The common denominator of the new Euroswitch sensors is precisely the integration of the IO-Link protocol for end-to-end communication between an IO-compatible system and a device on field. Being an open standard, this protocol provides two-way data exchange between sensors and the devices supporting it. Each IO-Link sensor has an IODD (IO Device Description) file describing the device and its IO-Link functions. IO-Link communication offers several advantages, such as the possibility of using a standard unshielded 3-wire cable, advanced diagnostics and increased data availability, remote configuration and monitoring, and simplified device replacement. Advantages translated into improved machine operation and increased process efficiency, thereby reducing overall costs.

Euroswitch is part of PROFIBUS and PROFINET Italy Consortium, the reference Italian network for industrial communication, which bring together over 70 companies who share Profibus, Profinet and IO-Link technologies.



# 压力开关和真空开关 Pressure and Vacuum switches

  根据要求  
On request



mod. 692

mod. 48-49-38

mod. 25R

mod. 31-40-41-35

mod. 24

mod. 23

隔膜或活塞压力开关和真空开关允许在达到预定压力值时关闭、打开或切换电触点。 调整范围从 -900 mbar 到 400 bar。

Diaphragm or piston pressure and vacuum switches for closing, opening or switching an electric contact when a preset pressure value is reached. Operating pressure range -900 mbar to 400 bar.



# 差速堵塞指示器

## Differential clogging indicators

 根据要求  
On request  IO-Link  



mod. 87

mod. 80

mod. 81

mod. 82

mod. 980

mod. 983

mod. 83T

压差堵塞指示器通常用于检测液压系统的过滤元件的堵塞情况。对于标准型号，干预压差值在1-10bar范围内可调节。

有带可视信号、电气信号、电子信号或组合显示的不同型号。根据具体要求，也可以进行特殊定制，例如可以预装不同类型的电缆和连接器，保护等级可达IP69K，带有可接入工艺流程的特殊接头，带有不锈钢的壳体。

The differential clogging Indicators are normally used to detect filter clogging in hydraulic systems.

The switching value, for the standard model, can be adjusted in the differential pressure range 1-10 bar.

They are available with visual, electrical, electronic or combined signal. Customised version are manufactured on request, for example they can be supplied fully wired with any type of cables and connectors with up to IP69K, with different thread sizes, with stainless steel.





mod. ESL

mod. IMRPB1

mod. P30-P300

mod. IMM

mod. SPF

mod. SRSB2



浮子、电磁、机电、电阻、模拟液位探头。应用于液压行业、食品自动售货机、家用电器、医疗、汽车、铁路等。

Float-type, electromagnetic, electromechanical, resistive and analogic level sensors. For hydraulics, food-vending, household appliances, medical equipments, automotive, railways applications, etc.

# 溫度 Temperature

Ex 根据要求  
On request

IO-Link



mod. 580 CNN

mod. 581

mod. 507

mod. 580 CBL

mod. 506

mod. 583

mod. 582

mod. EST



带 NA、NC 和 SPDT 触点的双金属恒温器。  
NTC、PTC、PT100 和 PT1000 温度探头。  
4-20 mA 温度传感器、IO-Link、CAN 总线和 PWM。

Bimetallic thermostats with NO, NC and SPDT contacts.  
Temperature sensors NTC, PTC, PT100 and PT1000.  
Temperature Transducer 4-20 mA, IO-Link, CAN bus and PWM.

# 位置和速度霍尔效应传感器

## Position and speed hall effect sensors



mod. P915

mod. P930

mod. P920

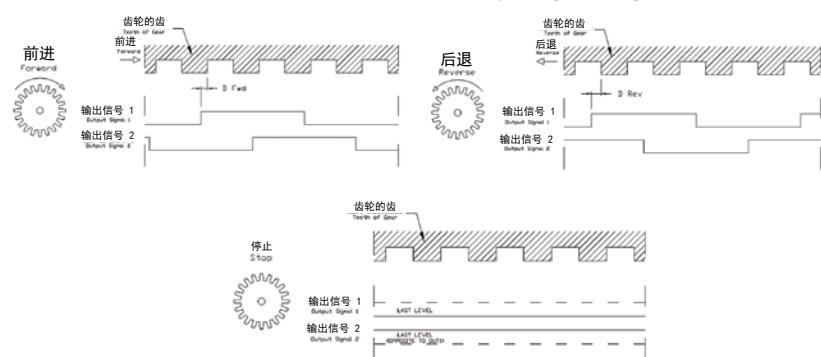
mod. SNV04

mod. SNV03

mod. SNV

mod. SNV06

输出信号图 Output signal diagram



控制金属构件（轮子、齿轮、凸轮轴、驱动轴等）速度、旋转和方向的霍尔效应传感器。

带有ON/OFF或SPDT信号的电磁式传感器。

Electromagnetic sensors with ON/OFF or SPDT signal.

Hall effect sensors for speed, rotation and direction control of mechanical parts, such as wheels, gears, camshafts and drive shafts.

# 集团 - THE GROUP



## MONT.EL

Sale Marasino (Bs - 意大利)  
电气和电子设备  
Sale Marasino (Bs - Italy)  
*electric and electronic equipment*



Pian Camuno (Bs - 意大利)  
电子设备  
Pian Camuno (Bs - Italy)  
*electrical equipment*



## EUROSWITCH

Sale Marasino / Pisogne (Bs - 意大利)  
液位、压力、温度传感器  
Sale Marasino / Pisogne (Bs - Italy)  
*level, pressure, temperature sensors*



## INTEA

Sale Marasino (Bs - 意大利)  
应用电子技术  
Sale Marasino (Bs - Italy)  
*applied electronic technologies*



**SIRE**  
布线、装配  
*wirings, assembly*



Arad (罗马尼亚)  
Arad (Romania)



**TECHTRON**  
电子设备  
*electronic equipments*



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