

安装指导

POS 系列光电液位传感器

概述

POS液位传感器提供单点液位检测，输出NPN或PNP信号。

当传感器输出关闭时，输出灌拉电流达到最大200mA可以直接驱动白炽指示灯，声音报警器，继电器等。

M12螺纹和线缆连接方式都适用于常开式（n.o.）和常闭式（n.c.）两种版本。

清洁方法

根据污染物不同选择不同的清洗液。原厂推荐使用氟利昂和酒精溶剂。禁止使用氯基溶剂，如三氯乙烷等会危害传感器材质。

液体介质是否兼容

使用前要检测下目标液体是否能与Simax水晶玻璃材质相兼容。

电气和环境特性

传感器系列	POS187	POS287
供电电压 (Vs)	12 to 28Vdc	
供电电流 (Is)	< 25mA	
输出 灌，拉电流 (Io)	200mA 最大	
工作和储存温度	-25 到 100 °C (介质温度)	-40 到 140 °C (介质温度)
保护标准	IP68 (连接线版本) / IP67 (连接头版本)	

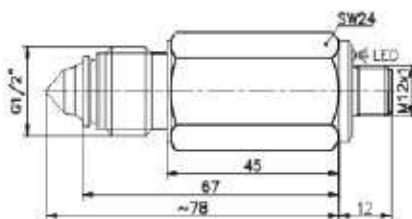
机械结构

传感器系列	POS187	POS287
线缆类型(POSXXX-3XX)	PUR 3 x 0.25mm ² , 2m长	
线缆类型(POSXXX-4XX)	M12 连接头	
尺寸	见尺寸图	
螺纹	G1/2"	
材质	不锈钢外壳/ Simax水晶玻璃感应端子	

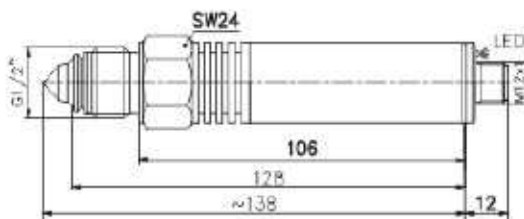
POS187-3XX

POS287-3XX

POS187-4XX

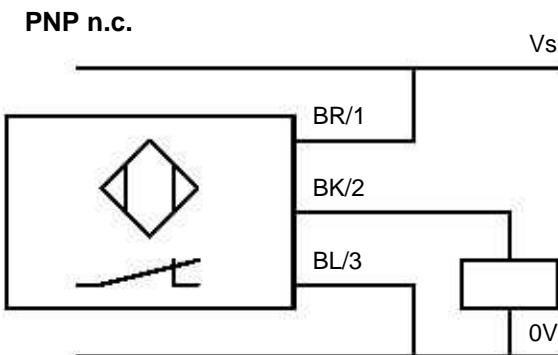
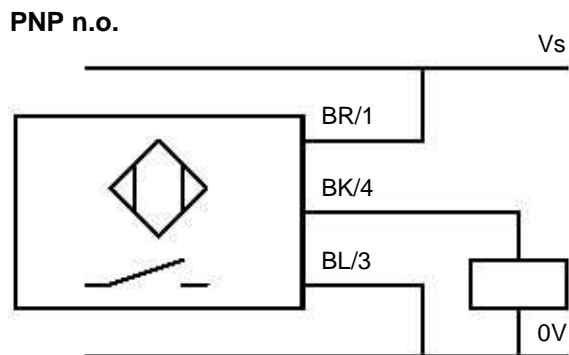
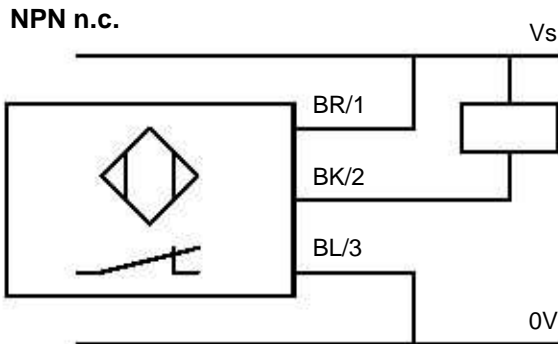
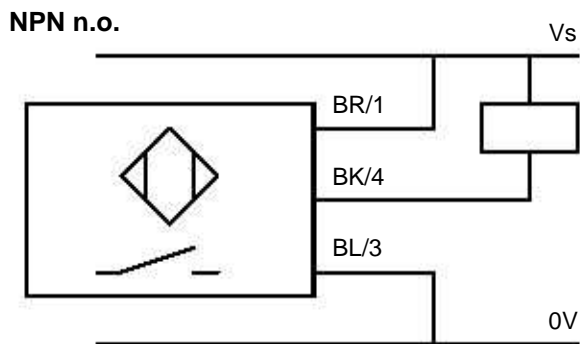


POS287-4XX

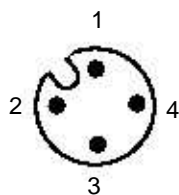


为了满足所有应用，这类传感器会配置不同的输出电路。按物料号的后两位进行区分，具体如下：

输出配置	物料号
NPN n.o.	POSXXX-X11
NPN n.c.	POSXXX-X12
PNP n.o.	POSXXX-X13
PNP n.c.	POSXXX-X14



BR = 棕色, BK = 黑色, BL = 蓝色. 数字是连接头管脚数。注意常开和常闭条件是指传感器在空气中的情形。



Brad Harrison M12连接器管脚设计
(前视图)

WARNING

Personal Injury

DO NOT USE these products as safety or Emergency Stop devices or in any other application Where failure of the product could result in Personal injury.

Failure to comply with these instructions could Result in death or serious injury.

It is the customer's responsibility to ensure that this product is suitable for use in their application. For technical assistance or advice, please email us: info@sstsensing.com

CAUTION

Do not exceed maximum ratings.

Although the sensor is protected against supply reversal, it is not recommended.

Do not overtighten screw-in type.

Do not use chlorinated solvents.

Do not mount with dome pointing downwards.

Failure to comply with these instructions may result in product damage.

General Note: SST Sensing Ltd reserves the right to make changes in product specifications without notice or liability. All information is subject to SST's own data and considered accurate at time of going to print.