

液位和温度开关

NT 61-Z0-Atex



FluidControl



为液压设备和在润滑技术中，必须连续监测油库液位。现代化的工厂自动化要求提供兼容信号。为降低制造成本并节省容器上所需的空

间，有必要在监视器中整合液位和油温监测。NT 61-Z0...-ATEX系列几乎满足所有于该应用领域中出现的要求。为监控液位，此型号可配备最多四个固定设置的双稳态液位触点或最多两个液位触点与一个温度触点。或者，也可以通过一Pt100电阻温度计来评估温度。

欧盟样机检验/IECEX认证

IECEX: IECEX IBE 17.0020X, ATEX: IBExU16ATEX1183 X

应用于防爆区0/1

液位/温度组合

双稳态 = 仅一个浮子

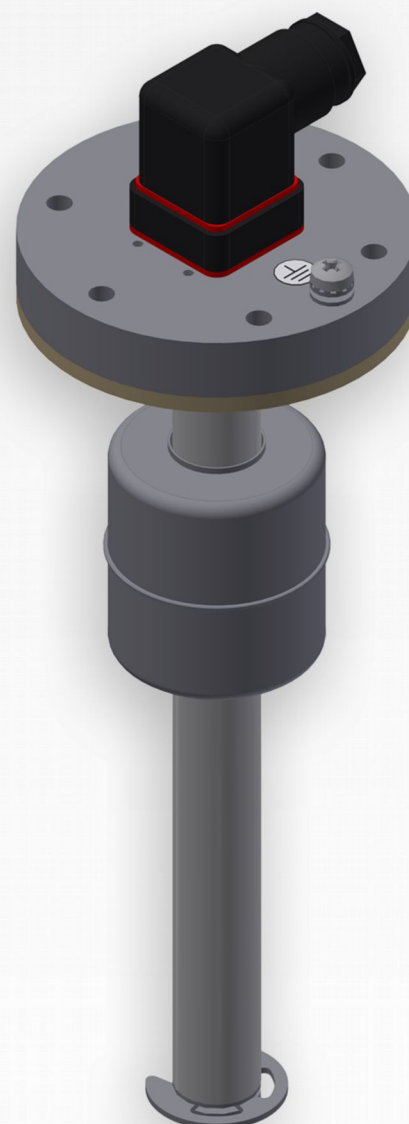
标准化法兰图: DIN 24557, 第2部分

多种连接器选项

可变长度

不锈钢版本

免维护



技术规格

NT 61-Z0-Atex

工作压力:	最高1 bar
工作温度:	-20 °C 至 +70 °C
环境温度:	-20 °C 至 +70 °C
最小密度液体:	0.85 kg/dm ³
重量, 当 L = 280 mm时:	约 950 g
每100 mm附加费:	约50 g

材质

浮子:	1.4571
浸管:	1.4571
法兰 (DIN 24557):	1.4571

供货范围包括

安装螺丝 (6个) 和橡胶软木密封件。

选件

涌流套管 (SSR)	1.4571/NBR
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设备根据:

IEC 60079-0 (Ed.6.0); IEC 60079-11 (Ed.6.0);
EN 60079-0:2012+A11:2013; EN 60079-11:2012

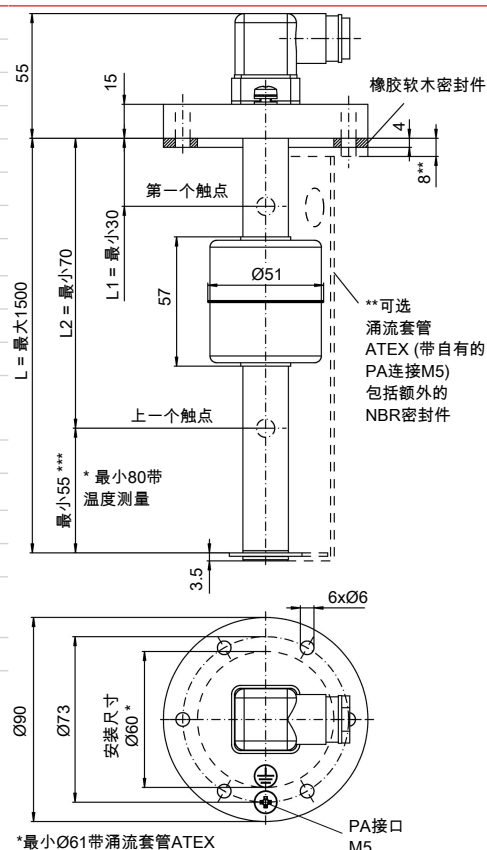
标记ATEX/IECEx

 II 1G Ex ia IIC T4 Ga

 II 1D Ex ia IIIC T70° C Da

仅允许于本安电路中运行液位开关!

尺寸



液位开关量输出

液位触点	K10	W11
功能	NC/NO*	转换触头
U _i	30 V	
I _i	50 mA	
L _i ; C _i	可忽略不计	
P _i	100 mW	

*NC = 递增常闭/递减常开, NO = 递增常开/递减常闭

可选开关量输出 温度

温度触点	TKÖ	TKS
功能	NC**	NO**
U _i	30 V	
I _i	50 mA	
L _i ; C _i	可忽略不计	
P _i	100 mW	

NC= 常闭触点 / NO = 常开触点

温度信号

电阻温度计Pt100

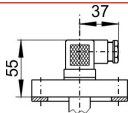
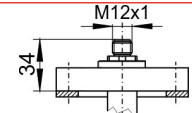
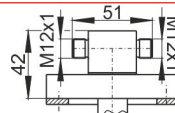
传感元件	Pt100 B级, DIN EN 60 751
容差:	±0.8 °K
P _i	100 mW
U _i	30 V
I _i	50 mA
I _{Mess} (测量电流)	≤1 mA
L _i ; C _i	可忽略不计

测量电阻Pt100的基本值

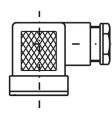
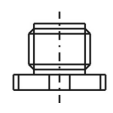
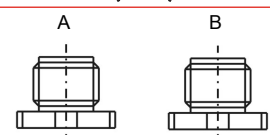
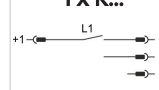
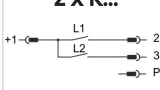
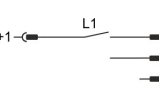
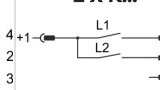
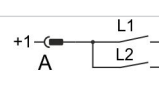
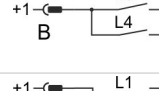
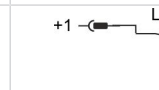
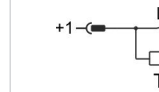
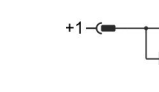
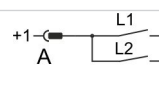
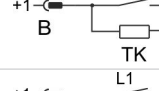
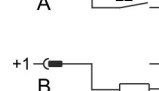
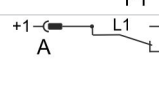
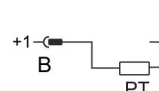
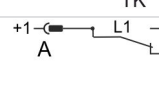
C°	0	10	20	30	40	50	60	70	80	90	100
Ohm	100.00	103.90	107.79	111.67	115.54	119.40	123.24	127.07	130.89	134.70	138.50

标准引脚分配

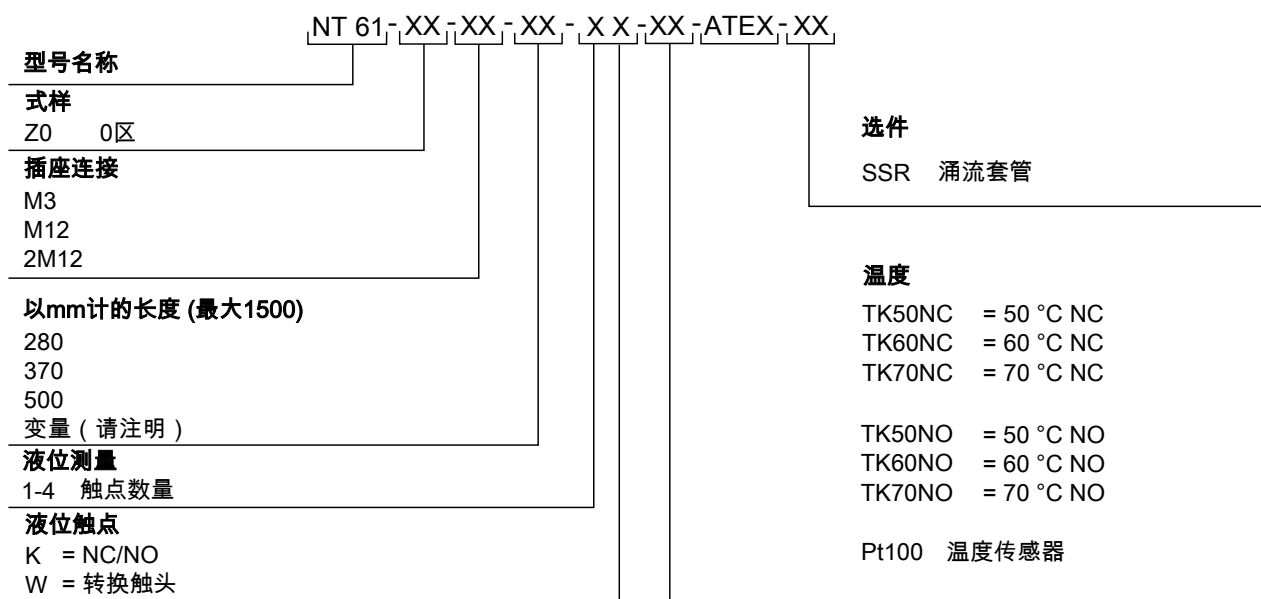
插座连接

	M3	M12	2 x M12
尺寸			
针数	3针 + PE	4针	4针 / 4针
DIN EN	175301-803	61076-2-101	61076-2-101
防护等级	IP65	IP67**	IP67**
电缆接头	PG 11		

*带附属的插头外壳

	M3	M12 (底座)	2 x M12 (底座)
接线图			
仅液位触点 型号K10 (NC/NO)	 	 	 
仅液位触点 型号W11 (转换触点)			 
液位触点 型号K10 加温度触点TK			 
液位触点 型号K10 加温度传感器Pt100			 
液位触点 型号W11 加温度触点TK			 
液位触点 型号W11 加温度传感器Pt100			 

订购提示



订货示例

您需要: 液位开关, 插座连接M12, 长度L=280 mm, 1x 液位触点,
触点当 L1=100 mm 功能NC, 温度触点60 °C 功能NO, 带涌流套管

您订购: NT 61-Z0-M12-280-1K-TK60N0-ATEX-SSR, L1 = 100 NC

产品编号	名称
9144 05 0010	连接管线M12x1, 4针, 1.5 m, 角连接器和直式连接器
9144 05 0046	连接管线M12x1, 4针, 3.0 m, 角连接器和直式连接器
9144 05 0047	连接管线M12x1, 4针, 5.0 m, 角连接器和钢绞线