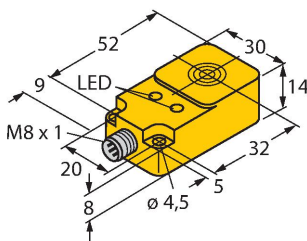


NI20-Q14-AP6X2-V1131 电感式传感器



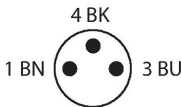
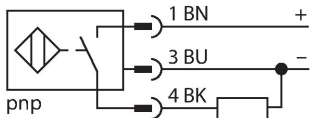
技术数据

型号	NI20-Q14-AP6X2-V1131
货号	4690210
常用数据	
额定开关距离	20 mm
安装条件	非齐平
安全工作距离	$\leq (0.81 \times S_n)$ mm
修正系数	37#钢 = 1; 铝 = 0.3; 不锈钢 = 0.7; 黄铜 = 0.4
重复精度	$\leq 2\%$ 满量程
温度漂移	$\leq \pm 10\%$
磁滞	3...15 %
电气数据	
工作电压 U_B	10...30 VDC
纹波电压 U_{ss}	$\leq 10\% U_{Bmax}$
额定直流工作电流 I_o	≤ 200 mA
空载电流	≤ 15 mA
漏电流	≤ 0.1 mA
隔离测试电压	0.5 kV
短路保护	是/循环
I_o 时的压降	≤ 1.8 V
断线/反极性保护	是/是
输出性能	3线, 常开触点, PNP
开关频率	0.25 kHz
机械数据	
设计	方型, Q14
尺寸	52 x 30 x 14 mm
外壳材料	塑料, PBT-GF30-V0

特点

- 方型外壳，厚度14mm
- 顶端感应面
- 塑料, PBT-GF30-V0
- 3线直流, 10...30 VDC
- 常开, pnp输出
- M8 x 1接插件

接线图



功能原理

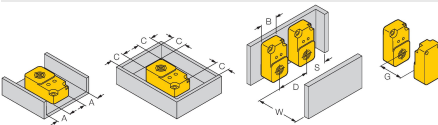
电感式传感器以非接触和无磨损的方式检测金属物体。以无磨损和非接触的方式检测金属物体。电感式传感器通过铁氧体线圈上构成的RLC线圈产生磁场。

技术数据

感应面材料	PBT-GF30-V0
电气连接	接插件, M8 × 1
环境条件	
工作温度	-25...+70 °C
防震动性	55 Hz (1 mm)
防冲击性	30 g (11 ms)
防护等级	IP67
MTTF	2283 年 符合SN 29500 (Ed.99) 40 °C认证
工作电压指示	LED指示灯, 绿
开关状态指示	LED指示灯, 黄色

安装说明

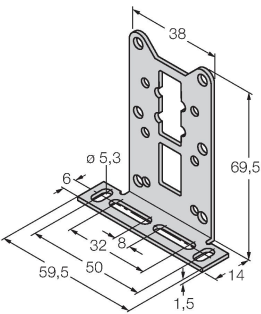
安装说明/描述



The diagram illustrates the installation of a sensor on a bracket. It includes several views: a side view showing the sensor mounted on a bracket with dimensions A and B; a top view showing the sensor mounted on a bracket with dimensions C and D; a side view showing the sensor mounted on a bracket with dimensions D and W; and a side view showing the sensor mounted on a bracket with dimensions G and S. The sensor is a yellow rectangular block with a circular sensor element on its top surface. The bracket is a grey L-shaped component. The dimensions are labeled as follows: A is the width of the bracket; B is the height of the bracket; C is the distance between the sensor and the bracket; D is the distance between the sensor and the bracket; G is the distance between the sensor and the bracket; S is the distance between the sensor and the bracket; W is the width of the bracket.

距离D	3 x B
距离W	3 x Sn
距离S	1.5 x B
距离G	6 x Sn
距离A	1 x Sn
距离C	2 x Sn
B有效面积宽度	30 mm

附件

MW-Q14/Q20	6945006
适用方型传感器Q14/Q20的安装支架, 材质VA 1.4301	
	

附件

尺寸图	型号	货号	
	PKG3M-2/TEL	6625058	连接线缆，M8母头接插件，直式3针， 线缆长度2 m，护套材质PVC，黑色； cULus认证

