

产品一览

- Extended functional reserve capacities for maximum reliability
- Object detection through smallest holes and gaps without blind area thanks to single-lens optics
- Parallel laser beam for uniform detection over the measuring range
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



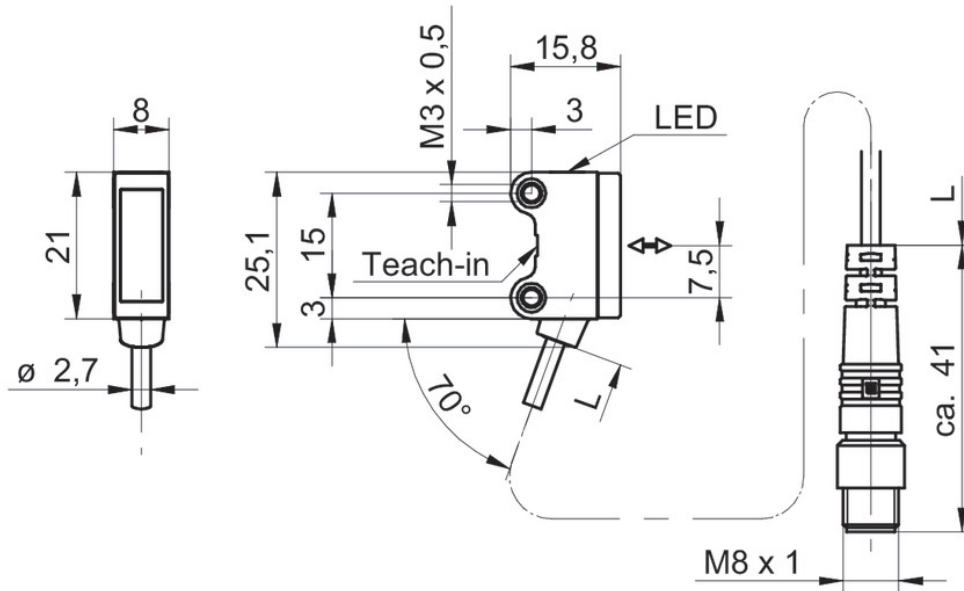
图片与实际产品类似



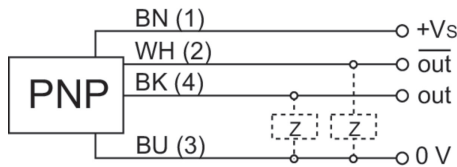
技术数据

| 基本参数                              |                 | 电气参数                  |                                    |
|-----------------------------------|-----------------|-----------------------|------------------------------------|
| 类型                                | 反射板式传感器         | 最大电流消耗 (无负载)          | 20 mA (@ 10 VDC)                   |
| 版本                                | 单镜头光学元件         | 典型电流消耗                | 10 mA (@ 24 VDC)                   |
| 光源                                | 脉冲红色激光二极管       | 压降 Vd                 | < 2 VDC                            |
| 实际感应范围 Sb                         | 0,8 m           | 输出功能                  | 亮通/暗通                              |
| 额定感应范围 Sn                         | 1,2 m           | 输出电路                  | PNP互补                              |
| Smallest object recognizable typ. | 3 mm (距离500 mm) | 输出电流                  | 50 mA                              |
| 偏振滤光镜                             | 是               | 短路保护                  | 是                                  |
| 调节/镜头受污指示灯                        | 闪烁的输出指示灯        | 反极性保护                 | 是                                  |
| 输出指示灯                             | 黄色LED           | 机械参数                  |                                    |
| 上电指示灯                             | 绿色LED           | 宽度 / 直径               | 8 mm                               |
| 灵敏度调节                             | qTeach          | 高度 / 长度               | 25,1 mm                            |
| 激光等级                              | 1               | 深度                    | 15,8 mm                            |
| 焦距                                | 平行光束            | 类型                    | 矩形                                 |
| 波长                                | 680 nm          | Mechanical mounting   | M3螺纹套筒 (不锈钢)                       |
| 交互影响抑制                            | 是               | 外壳材质                  | 塑料 (ASA、PMMA)                      |
| 光轴校准                              | < 1.5°          | 前端光学元件                | PMMA                               |
| 电气参数                              |                 | 连接方式                  | M8 引线接头 · 4针 · L=200 mm            |
| 响应时间 / 释放时间                       | < 0,1 ms        | Cable characteristics | PVC / PVC 4 x 0,08 mm <sup>2</sup> |
| Jitter                            | < 0,03 ms       | 环境条件                  |                                    |
| 电源电压范围 +Vs                        | 10 ... 30 VDC   | 工作温度                  | -20 ... +50 °C                     |
|                                   |                 | 防护等级                  | IP 67                              |

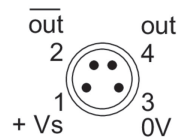
技术图纸



接线图



针脚定义

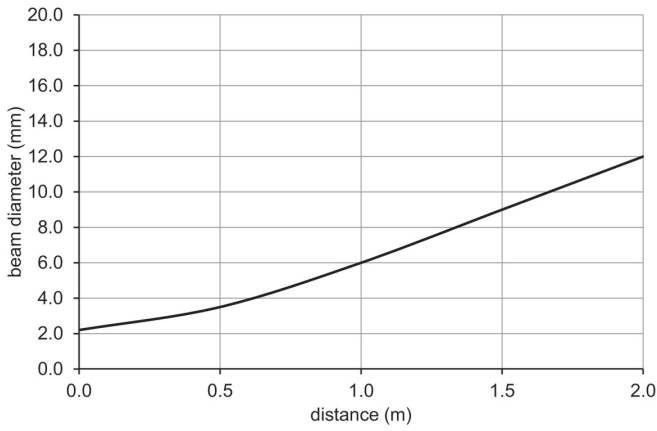


激光报警

**CLASS 1 LASER  
PRODUCT**

IEC 60825-1/2014  
Complies with 21 CFR 1040.10 and  
1040.11 except for conformance with  
IEC 60825-1 Ed. 3., as described in  
Laser Notice No. 56, dated May 8, 2019

典型光束特性



过量增益曲线

