

Overview

- SmartReflect - Safe barrier principle without reflector
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



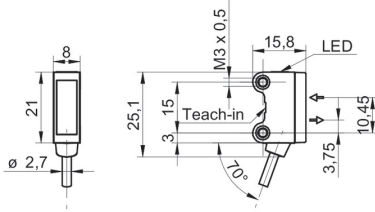
Picture similar



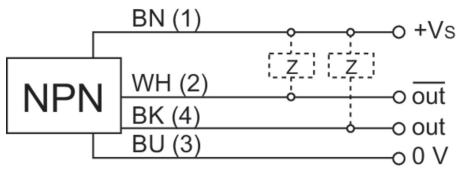
Technical data

General data		Electrical data	
Type	Light barrier	Current consumption typ.	16 mA (@ 24 VDC)
Version	Standard object detection	Voltage drop Vd	< 2 VDC
Light source	Pulsed PinPoint LED	Output function	Light / dark operate
Background position Sde	25 ... 180 mm	Output circuit	NPN complementary
Scanning range Sa	90% ... 85% Sde	Output current	< 50 mA
Smallest object recognizable typ.	2,5 mm	Short circuit protection	Yes
Alignment / soiled lens indicator	Flashing output indicator	Reverse polarity protection	Yes
Power on indication	LED green	Mechanical data	
Output indicator	LED yellow	Width / diameter	8 mm
Sensing distance adjustment	qTeach	Height / length	25,1 mm
Wave length	644 nm	Depth	15,8 mm
Suppression of reciprocal influence	Yes	Type	Rectangular
Alignment optical axis	< 1,5°	Mechanical mounting	Threaded sleeves M3 (stainless steel)
Electrical data		Housing material	Plastic (ASA, PMMA)
Response time / release time	< 0,5 ms	Front (optics)	PMMA
Voltage supply range +Vs	10 ... 30 VDC	Connection types	Cable 4 pin, 2 m
Current consumption max. (no load)	40 mA (@ 10 VDC)	Cable characteristics	PVC / PVC 4 x 0,08 mm ²
		Ambient conditions	
		Protection class	IP 67
		Operating temperature	-25 ... +50 °C

Dimension drawing



Connection diagram



Beam characteristic (typically)

