

Overview

- SmartReflect - Safe barrier principle without reflector
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Long-term stable detection of transparent objects thanks to compensation of environmental influences
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



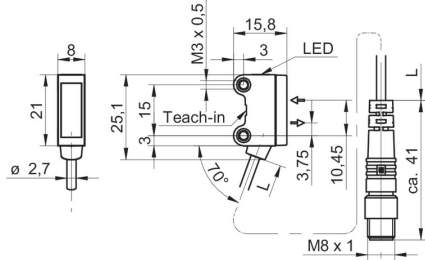
Picture similar



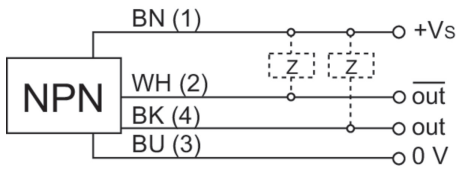
Technical data

General data		Electrical data	
Type	Light barrier	Current consumption typ.	16 mA (@ 24 VDC)
Version	Transparency object detection	Voltage drop Vd	<2 VDC
Background position Sde	25 ... 180 mm	Output function	Light / dark operate
Scanning range Sa	90% ... 85% Sde	Output circuit	NPN complementary
Minimal signal attenuation	10 %	Output current	50 mA
Power on indication	LED green	Short circuit protection	Yes
Alignment / soiled lens indicator	Flashing output indicator	Reverse polarity protection	Yes
Output indicator	LED yellow	Mechanical data	
Sensing distance adjustment	qTeach	Width / diameter	8 mm
Suppression of reciprocal influence	Yes	Height / length	25.1 mm
Beam type	Point	Depth	15.8 mm
Alignment optical axis	< 1,5°	Design	Rectangular
Light Source		Mechanical mounting	Threaded sleeves M3 (stainless steel)
Light source	Pulsed PinPoint LED	Housing material	Plastic (ASA, PMMA)
Wave length	644 nm	Front (optics)	PMMA
Electrical data		Connection types	Flylead connector M8 4 pin, L=200 mm
Voltage supply range +Vs	10 ... 30 VDC	Cable characteristics	PVC / PVC 4 x 0.08 mm ²
Current consumption max. (no load)	40 mA (@ 10 VDC)	Ambient conditions	
		Protection class	IP 67
		Operating temperature	-25 ... +50 °C

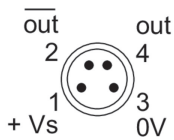
Dimension drawing



Connection diagram



Pin assignment



Beam characteristic (typically)

