

OT300.SL-PDPVT.72CU

SmartReflect Light barriers - for longer ranges

Article number: 11250345

Overview

- SmartReflect Safe barrier principle without reflector
- Reliable also on very dark and shiny objects
- Manipulation-proof, simple teach-in via qTeach
- Longest distances thanks to time of flight principle
- Laser performance for an accurate switching behavior
- Compact, miniaturized housing format



Picture similar





Technical data		
General data		
Туре	Light barrier	
Version	Time of Flight	
Light source	Pulsed red laser diode	
Sensing distance Tw	400 mm 1800 mm	
Scanning range Sa	85% 80% Sde	
Power on indication	LED green	
Output indicator	LED yellow	
Sensing distance adjust- ment	qTeach	
Laser class	1	
Distance to focus	700 mm	
Wave length	680 nm	
Suppression of reciprocal influence	Yes	
Beam type	Point	
Alignment optical axis	< 2°	
Electrical data		
Response time / release time	< 8 ms	
Voltage supply range +Vs	12 30 VDC	
Current consumption max. (no load)	60 mA	
Voltage drop Vd	< 2 VDC	

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Measurement on 90% remission (white)

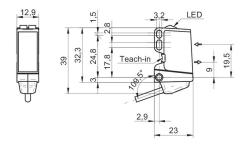
Electrical data		
Output function	Dark operate, complementary	
Output circuit	PNP	
Output current	< 50 mA, sum of all outputs	
Short circuit protection	Yes	
Reverse polarity protection	Yes	
Mechanical data		
Width / diameter	12.9 mm	
Height / length	32.3 mm	
Depth	23 mm	
Туре	Rectangular	
Housing material	Plastic (ASA, PMMA)	
Front (optics)	PMMA	
Connection types	Cable 4 pin, 2 m	
Ambient conditions		
Protection class	IP 67	
Operating temperature	-20 +50 °C	
Storage temperature	-40 +70 °C	
Vibration (sinusoidal)	IEC 60068-2-6:2008 10 g at f = 10 - 2000 Hz, duration 150 min per axis	
Shock (semi-sinusoidal)	IEC 60068-2-27:2009 50 g / 11 ms, 10 impulses per axis and direction	

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Dimension drawing

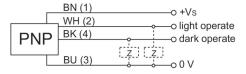


Laser warning

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

Connection diagram



Beam characteristic (typically)

