

Retro-reflective sensor

OSR-FBOA/T

phase-out article

Alternative articles: OS0025

When selecting an alternative article and accessories please note that technical data may differ!



- 1 potentiometer timer
2 potentiometer sensitivity
receiver in upper lens
transmitter in lower lens



Product characteristics

Type of light	infrared light
Housing	rectangular

Application

Function principle	Retro-reflective sensor
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Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no
Type of light		infrared light
Wave length	[nm]	950

Outputs

Output function		light-on/dark-on mode; (programmable)
Minimum load current	[mA]	15
Max. leakage current	[mA]	8
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	250; (350 (...50 °C))



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Short-time current rating of switching output	[mA]	2200; (10 ms / 0,5 Hz)
Switching frequency AC	[Hz]	250
Switching frequency DC	[Hz]	250
Short-circuit proof		no
Overload protection		no
Detection zone		
Range referred to prismatic reflector	[m]	10; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	261
Mechanical data		
Weight	[g]	264.8
Housing		rectangular
Dimensions	[mm]	80 x 28 x 95
Materials		PPO modified
Lens material		glass
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories		
Items supplied		Angle bracket: 1, E20210 screwdrivers
Remarks		
Remarks		Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity		1 pcs.



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Electrical connection

terminals: ...1.5 mm²; Cable gland: M20 X 1.5

Connection



Note : miniature fuse to IEC60127-2 sheet 1 $\leq$ 2 A fast acting