



Diffuse reflection sensor

OIT-FBOA/TS-700/PLANSHB

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Alternative articles: OI0002

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

No scale drawing available

Product characteristics

Type of light	Infrared light
Housing	Threaded type

Application

Function principle	Diffuse reflection sensor
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Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC/DC
Protection class		I
Type of light		Infrared light
Wave length	[nm]	880

Outputs

Output function		light-on mode
Max. voltage drop switching output DC	[V]	10.5
Max. voltage drop switching output AC	[V]	10.5
Minimum load current	[mA]	15
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	250; (350 (...50 °C))
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	35
Short-circuit protection		no



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Overload protection	no	
Monitoring range		
Range [mm]	< 150	
Range adjustable	yes	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 65	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing	Threaded type	
Dimensions [mm]	M30 x 1.5	
Thread designation	M30 x 1.5	
Material	PBT; PPO modified	
Lens material	PMMA	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
	screwdrivers	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x Ø 28 mm		