



Diffuse reflection sensor

OMT-FKOA/T/LS-500



receiver in lower lens
transmitter in upper lens



Product characteristics

Type of light	infrared light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
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Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	24...240 AC/DC
Max. power consumption	[VA]	6
Protection class		II
Type of light		infrared light
Wave length	[nm]	880
Typ. lifetime	[h]	50000
Reference temperature for service life	[°C]	25

Outputs

Electrical design		relay
Output function		light-on/dark-on mode; (programmable)
Contact rating		3A / 250 V AC
Switching frequency AC	[Hz]	10
Switching frequency DC	[Hz]	10
Short-circuit protection		no



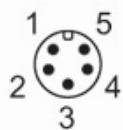
Diffuse reflection sensor

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Time function	[s]	0 / 1 / 5 / 10 / 14
Detection zone		
Range	[mm]	< 3500
Range adjustable		yes
Response times		
Response time	[s]	< 10
Operating conditions		
Ambient temperature	[°C]	-25...40
Protection		IP 67
Mechanical data		
Weight	[g]	201
Housing		rectangular
Dimensions	[mm]	73 x 45 x 49
Materials		ABS glass fibre reinforced
Lens material		PMMA
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	function	1 x LED, red
Remarks		
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x 7/8"; coding: A; Locking: aluminium, uncoloured anodised



Connection

