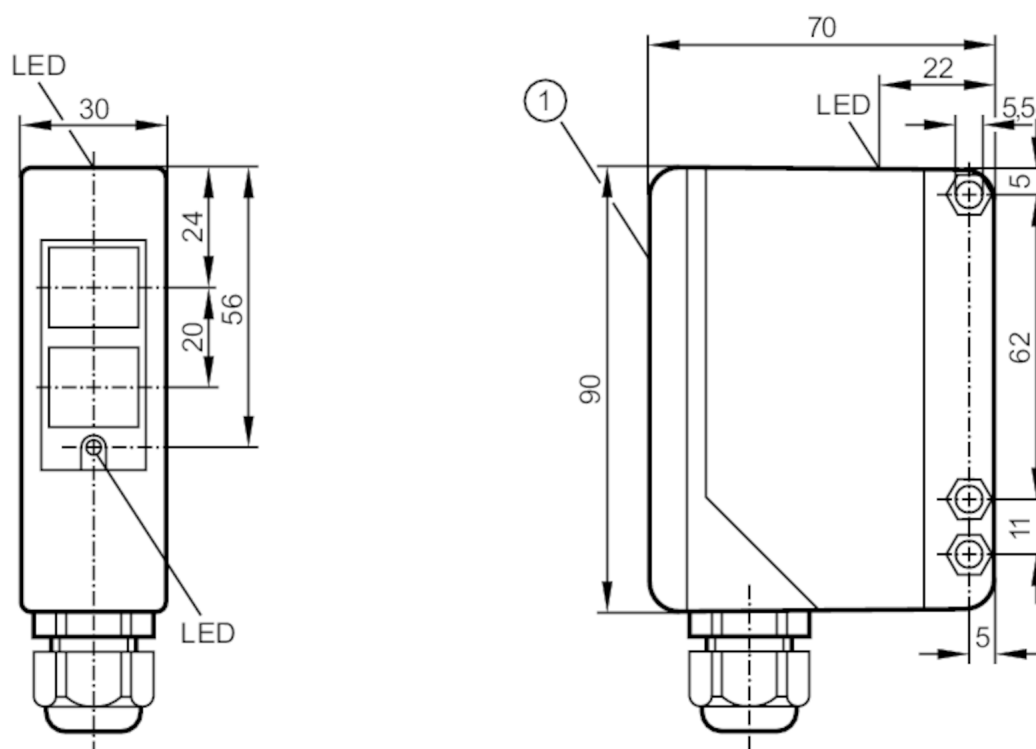# OA0123

Through-beam sensor receiver

OAE-FKOA/O.MONTZU

Article no longer available - archive entry

Alternative articles: OA0102
When selecting an alternative article and accessories please note that technical data may differ!

1   selection switch and potentiometer under cover
     receiver in upper lens

Product characteristics	
Type of light	infrared light
Housing	rectangular
Application	
Function principle	Through-beam sensor
Electrical data	
Frequency AC [Hz]	47...63
Operating voltage [V]	20...250 AC/DC
Max. power consumption [VA]	3.5
Protection class	II
Reverse polarity protection	no
Type of light	infrared light
Wave length [nm]	880
Outputs	
Electrical design	relay

OA0123

Through-beam sensor receiver

OAE-FKOA/O.MONTZU

|		
Output function		light-on/dark-on mode; (programmable)
Contact rating		250 V AC / 3 A / 360 VA, 125 V DC / 3 A / 30 W
Switching frequency AC	[Hz]	10
Switching frequency DC	[Hz]	10
Short-circuit proof		no
Overload protection		no
Detection zone		
Transmitter / receiver		receiver
Range	[m]	25...50; (depending on the transmitter)
Range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	271
Mechanical data		
Weight	[g]	165
Housing		rectangular
Dimensions	[mm]	90 x 30 x 70
Materials		PPO modified
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
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting
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 sheath: Ø 4.5...10 mm; Cable gland: M16 X 1.5

Connection
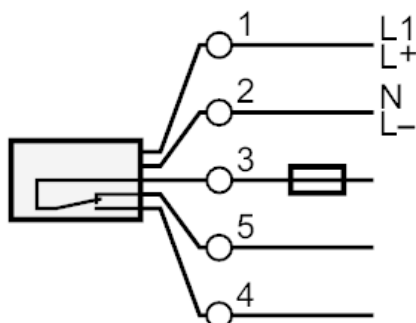
Note : miniature fuse to IEC60127-2 sheet 1 ≤ 5 A fast acting

Diagrams and graphs

excess gain graph