

Through-beam sensor transmitter

OGSLOOKG/V4A/US-100

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1 pushbutton

Product characteristics

Type of light	red light
Laser protection class	2
Housing	threaded type

Application

Function principle	Through-beam sensor
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Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 17
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	675
Typ. lifetime	[h]	50000

Outputs

Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Transmitter / receiver		transmitter
Range	[m]	2...6; (\$abhaengig_vom_verwendeten_Empfaenger)
Diameter of the smallest detectable object	[mm]	0.5
Max. light spot diameter	[mm]	5
Light spot dimensions refer to		Range

Operating conditions

Ambient temperature	[°C]	-10...50
Protection		IP 67



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Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Laser protection class		2
Notes on laser protection	Caution:	laser light
	pulse performance:	$\leq 2,2 \text{ mW}$
	Wave length:	675 nm
	frequency:	2,2 kHz
	Pulse length:	24 μs
	Do not stare into beam.	
	Avoid exposure to the laser light.	
	laser class:	2
		EN 60825-1

Mechanical data		
Housing		threaded type
Dimensions [mm]		M18 x 1 / L = 72
Thread designation		M18 x 1
Materials		stainless steel (316L/1.4404); PBT
Lens material		PMMA

Displays / operating elements		
Display	operation	1 x LED, green

Accessories		
Items supplied		lock nuts: 2

Remarks		
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x M12; coding: A





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Connection

