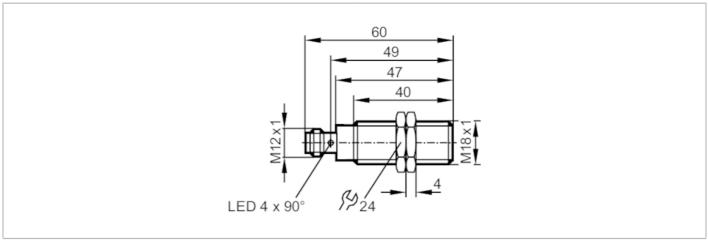
OGS200

Through-beam sensor transmitter

OGS-OOKG/US100







Type of light red light Housing threaded type Application Through-beam sensor Electrical data Operating voltage [V] 1036 DC Current consumption [mA] 15 Protection class II Reverse polarity protection yes Type of light red light Wave length fred light Wave length [nm] 624 624 Detection zone Transmitter / receiver transmitter Range [m] < 20	roduct characteristics	
Application Function principle Electrical data Operating voltage [V] 1036 DC Current consumption [mA] 15 Protection class II Reverse polarity protection yes Type of light red light Wave length [nm] 624 Detection zone Transmitter / receiver Range [m] < 20 Range adjustable no Max. light spot diameter [mm] 800 Light spot dimensions refer to Operating conditions Ambient temperature [°C] -2560 Protection Tests / approvals EMC EN 60947-5-2	ype of light	red light
Function principle Through-beam sensor Electrical data Operating voltage [V] 1036 DC Current consumption [mA] 15 Protection class III Reverse polarity protection yes Type of light red light Wave length [nm] 624 Detection zone Transmitter / receiver transmitter Range [m] < 20 Range adjustable no Max. light spot diameter [mm] 800 Light spot dimensions refer to at maximum range Operating conditions Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EN 60947-5-2	lousing	threaded type
Electrical data Operating voltage [M] 1036 DC Current consumption [mA] 15 Protection class III Reverse polarity protection Type of light red light Wave length [nm] 624 Detection zone Transmitter / receiver Range [m] < 20 Range adjustable no Max. light spot diameter [mm] 800 Light spot dimensions refer to at maximum range Operating conditions Ambient temperature [°C] -2560 Protection Tests / approvals EMC EN 60947-5-2	pplication	
Operating voltage [V] 1036 DC Current consumption [mA] 15 Protection class II Reverse polarity protection yes Type of light red light Wave length [nm] 624 Detection zone Transmitter / receiver Range [m] < 20	unction principle	Through-beam sensor
Current consumption [mA] 15 Protection class II Reverse polarity protection yes Type of light red light Wave length [nm] 624 Detection zone Transmitter / receiver transmitter Range [m] < 20 Range adjustable no Max. light spot diameter [mm] 800 Light spot dimensions refer to at maximum range Operating conditions Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EN 60947-5-2	lectrical data	
Protection class Reverse polarity protection Type of light Wave length [nm] 624 Detection zone Transmitter / receiver Range [m] Range adjustable Nax. light spot diameter Light spot dimensions refer to Operating conditions Ambient temperature Protection Protection EMC EM 60947-5-2	perating voltage [V]	1036 DC
Reverse polarity protection Type of light Wave length [nm] Detection zone Transmitter / receiver Range [m] Range adjustable Max. light spot diameter Light spot dimensions refer to Operating conditions Ambient temperature Protection Tests / approvals EMC EN 60947-5-2	current consumption [mA]	15
Type of light Wave length [nm] Detection zone Transmitter / receiver Range [m] Range adjustable Max. light spot diameter Light spot dimensions refer to Detection Operating conditions Ambient temperature [°C] Protection Tests / approvals EMC EN 60947-5-2	rotection class	II
Wave length [nm] 624 Detection zone Transmitter / receiver transmitter Range [m] < 20 Range adjustable no Max. light spot diameter [mm] 800 Light spot dimensions refer to at maximum range Operating conditions Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EN 60947-5-2	leverse polarity protection	yes
Detection zone Transmitter / receiver transmitter Range [m] < 20 Range adjustable no Max. light spot diameter [mm] 800 Light spot dimensions refer to at maximum range Operating conditions Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EN 60947-5-2	ype of light	red light
Transmitter / receiver Range [m] < 20 Range adjustable no Max. light spot diameter [mm] 800 Light spot dimensions refer to at maximum range Operating conditions Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EN 60947-5-2	Vave length [nm]	624
Range [m] < 20 Range adjustable no Max. light spot diameter [mm] 800 Light spot dimensions refer to at maximum range Operating conditions Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EN 60947-5-2	etection zone	
Range adjustable Max. light spot diameter [mm] Light spot dimensions refer to Operating conditions Ambient temperature [°C] Protection Tests / approvals EMC EN 60947-5-2	ransmitter / receiver	transmitter
Max. light spot diameter [mm] Light spot dimensions refer to Operating conditions Ambient temperature [°C] Protection Tests / approvals EMC EN 60947-5-2	lange [m]	< 20
Light spot dimensions refer to Operating conditions Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EN 60947-5-2	lange adjustable	no
Operating conditions Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EN 60947-5-2	lax. light spot diameter [mm]	800
Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EN 60947-5-2	ight spot dimensions refer to	at maximum range
Protection IP 67 Tests / approvals EMC EN 60947-5-2	perating conditions	
Tests / approvals EMC EN 60947-5-2	mbient temperature [°C]	-2560
EMC EN 60947-5-2	rotection	IP 67
	ests / approvals	
MTTF [years] 755	MC	EN 60947-5-2
	ITTF [years]	755
Mechanical data	lechanical data	
Weight [g] 49.1	veight [g]	49.1
Housing threaded type	lousing	threaded type
Dimensions [mm] $M18 \times 1 / L = 60$	vimensions [mm]	$M18 \times 1 / L = 60$
Thread designation M18 x 1	hread designation	M18 x 1

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Through-beam sensor transmitter



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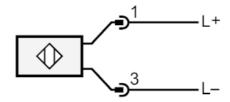
Materials	housing: stainless steel (1.4404 / 316L)		
Lens material	PMMA		
Displays / operating elements			
Display	operation	1 x LED, green	
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Remarks		operating voltage "supply class 2" according to cULus	
Pack quantity		1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A



Connection



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Diagrams and graphs

excess gain graph

