

OGS280



Through-beam sensor transmitter

OGS-OOKG/US/CUBE



Product characteristics

Type of light	red light
Housing	rectangular with M18 thread

Application

Function principle	Through-beam sensor
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Electrical data

Operating voltage	[V]	10...30 DC; (cULus - Class 2 source required)
Voltage rating	[V]	32
Current consumption	[mA]	17
Protection class		III
Reverse polarity protection		yes
Max. power-on delay time	[ms]	300
Type of light		red light
Wave length	[nm]	662

Monitoring range

Transmitter / receiver		transmitter
Range	[m]	20
Max. light spot diameter	[mm]	800
Light spot dimensions refer to		at maximum range

Interfaces

Communication interface		IO-Link
Transmission type		COM2 (38,4 kBaud)
IO-Link revision		1.1
SDCI standard		IEC 61131-9
Profiles		Smart Sensor: Device Identification, Device Diagnosis
SIO mode		no
Required master port class		A
Min. process cycle time	[ms]	2.5



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IO-Link process data (cyclical)	Function	bit length
IO-Link functions (acyclical)	device status	4
Supported DeviceIDs	application specific tag; operating hours counter	
Note	Type of operation	DeviceID
	default	1135
For further information please see the IODD PDF file at "Downloads"		

Operating conditions		
Ambient temperature	[°C]	-25...60
Storage temperature	[°C]	-40...60
Protection		IP 65; IP 67

Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	1011
UL approval	Ta	-25...60 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191

Mechanical data		
Weight	[g]	59.5
Housing		rectangular with M18 thread
Dimensions	[mm]	52.6 x 19 x 36
Thread designation		M18 x 1
Material		diecast zinc; PEI
Lens material		PMMA
Lens alignment		Side sensing

Displays / operating elements		
Display	Power	1 x LED, green

Accessories		
Items supplied		lock nut: 1

Remarks		
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



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Connection



Diagrams and graphs

excess gain graph

