



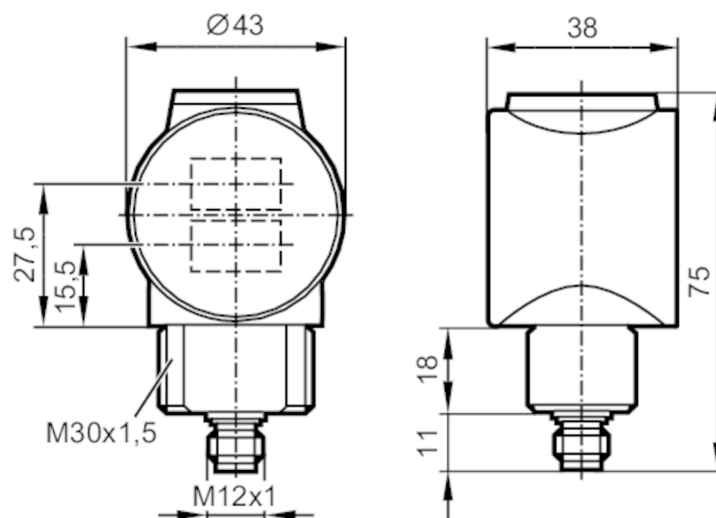
Retro-reflective sensor

OIP-DPKG/US/15M

Article no longer available - archive entry

Alternative articles: OM5003

When selecting an alternative article and accessories please note that technical data may differ!



transmitter in lower lens
Receiver in upper lens



Product characteristics

Type of light	red light
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Application

System	polarization filter
Function principle	Retro-reflective sensor

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	20
Protection class	III
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	624

Outputs

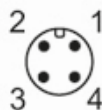
Electrical design	PNP
Output function	dark-on mode
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

OIP280



Retro-reflective sensor

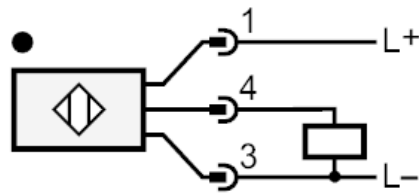
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Monitoring range		
Range referred to prismatic reflector	[m]	0.1...15; (Prismatic reflector Ø 80 E20005)
Range adjustable		no
Max. light spot width	[mm]	100
Max. light spot height	[mm]	130
Light spot dimensions refer to		Range
Polarization filter available		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Weight	[g]	205.8
Dimensions	[mm]	64 x 43 x 38
Thread designation		M30 x 1.5
Material		diecast zinc
Lens material		PMMA
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Accessories		
Items supplied	lock nut: 1	
Remarks		
Remarks	cULus - Class 2 source required	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; coding: A		
		

Retro-reflective sensor

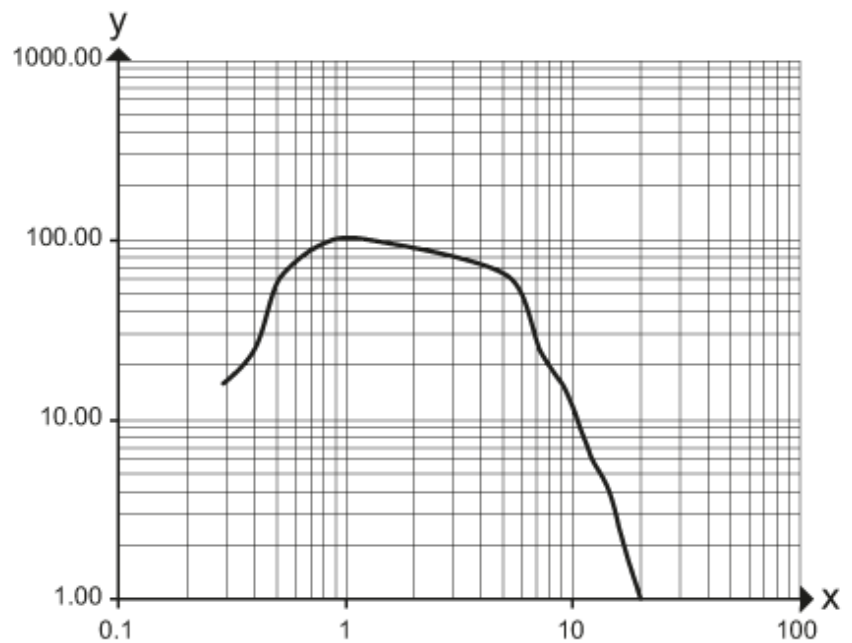
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Connection



Diagrams and graphs

excess gain graph



x: Abstand [m]

y: Funktionsreservefaktor