



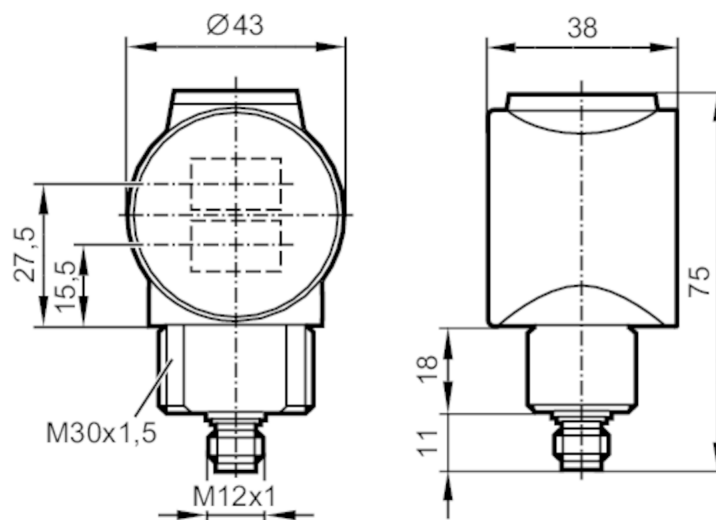
Retro-reflective sensor

OIP-DNKG/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

Special feature	polarisation 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		NPN
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		pulsed
Overload protection		yes



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Detection zone		
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
Polarisation filter available		yes

Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67

Tests / approvals		
EMC	EN 60947-5-2	

Mechanical data		
Weight	[g]	192.8
Dimensions	[mm]	64 x 43 x 38
Thread designation		M30 x 1.5
Materials		diecast zinc
Lens material		PMMA

Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green

Accessories		
Items supplied		lock nut: 1

Remarks		
Remarks		operating voltage "supply class 2" according to cULus
Pack quantity		1 pcs.

Electrical connection

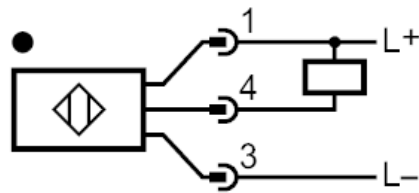
Connector: 1 x M12; coding: A



Retro-reflective sensor

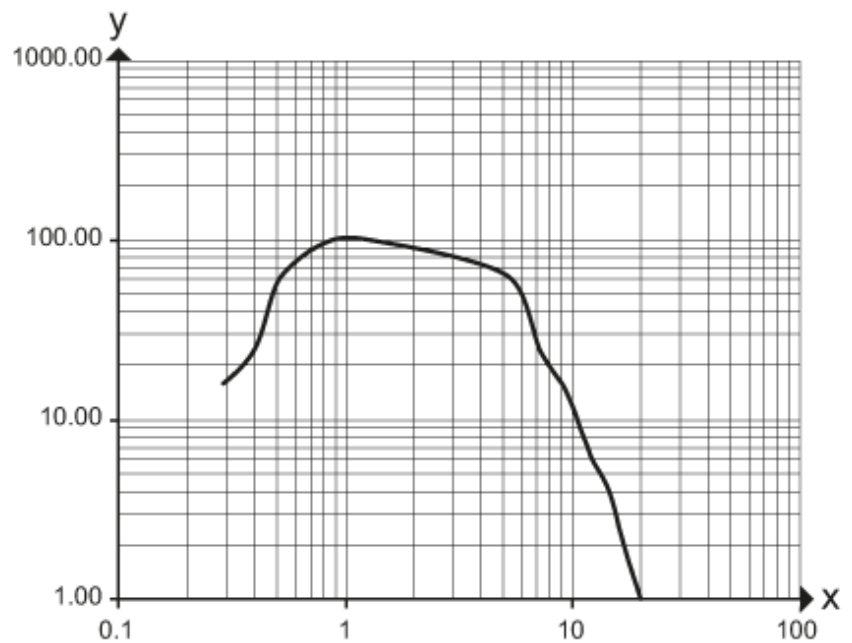
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Connection



Diagrams and graphs

excess gain graph



x: Abstand [m]

y: Funktionsreservefaktor