

OIP282

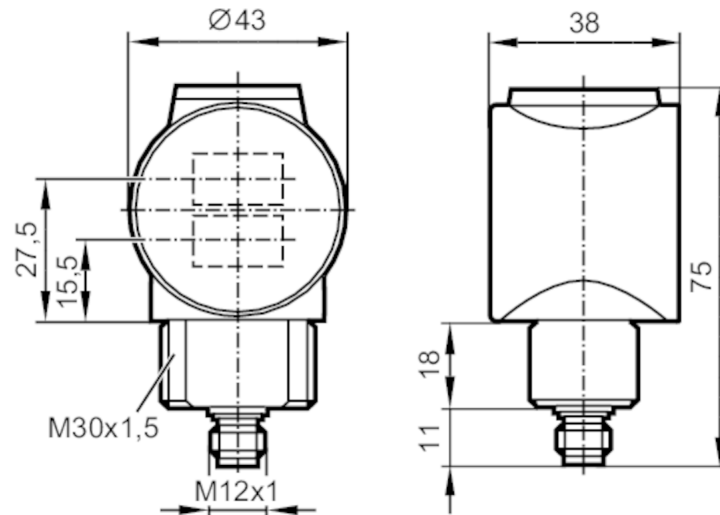


Retro-reflective sensor

OIP-DNKG/US/15M

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/OM5003



transmitter in lower lens
receiver in upper lens



Application

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

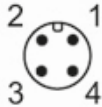
Electrical design		NPN
Output function		dark-on mode
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

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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	
MTTF [years]	1260	
Mechanical data		
Weight [g]	192.8	
Dimensions [mm]	M30 x 1.5	
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		
Accessories (supplied)	lock nut: 1 x	
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Notes	discontinued article	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12		
		

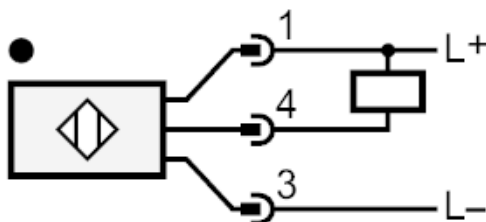
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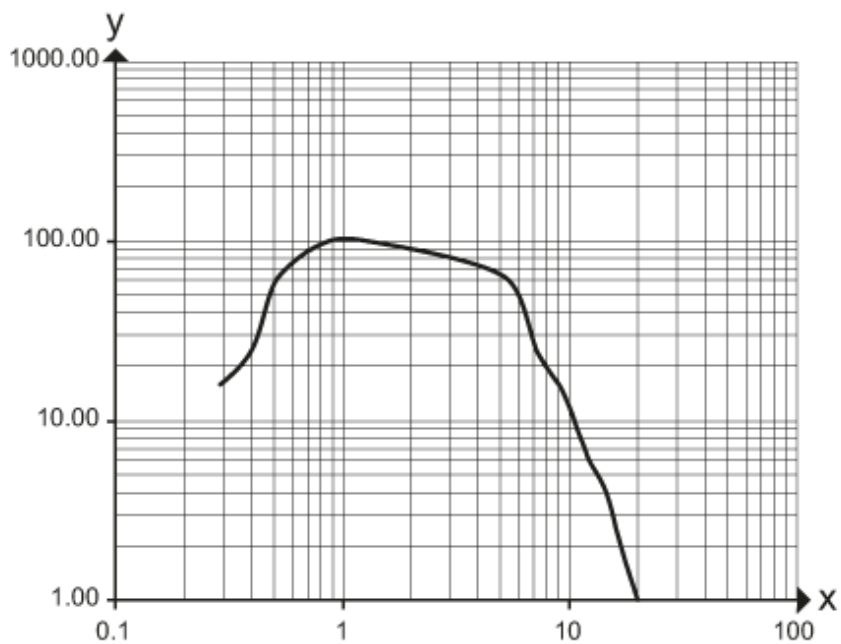
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Connection



Diagrams and graphs

excess gain graph



x: Abstand [m]

y: Funktionsreservfaktor

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