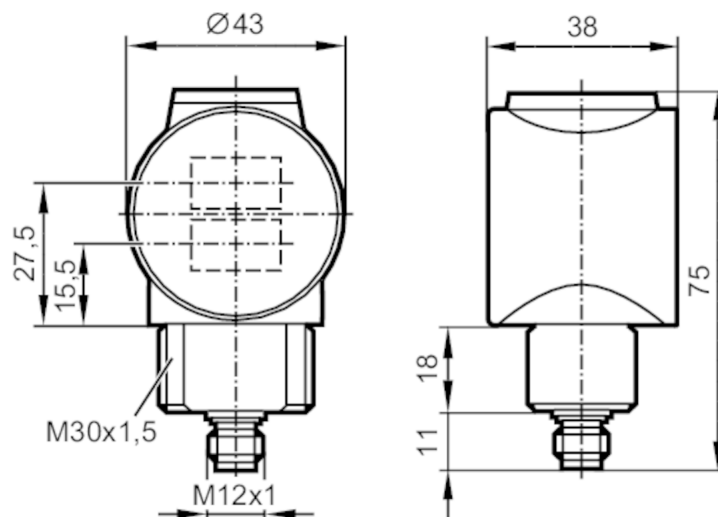




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transmitter in lower lens
receiver in upper lens



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		light-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



Retro-reflective sensor

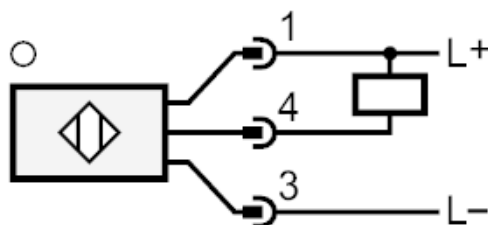
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Detection zone		
Range referred to prismatic reflector	[m]	0.1...15; (Prismatic reflector Ø 80 E20005)
Range adjustable		no
Max. light spot width	[mm]	100
Max. light spot height	[mm]	130
Light spot dimensions refer to		Range
Polarisation filter available		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]	200.6
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		
		

Retro-reflective sensor

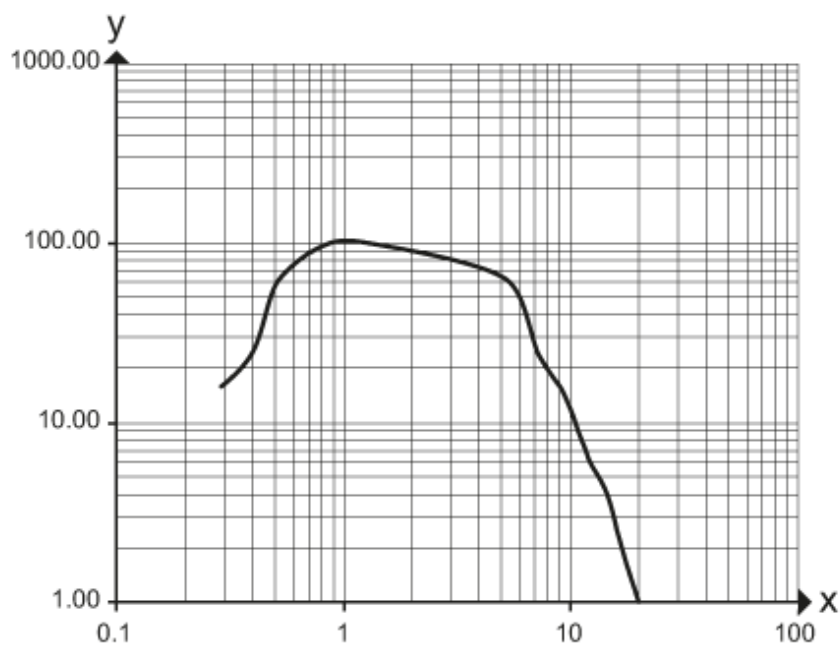
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Connection



Diagrams and graphs

excess gain graph



x: Abstand [m]

y: Funktionsreservefaktor

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