



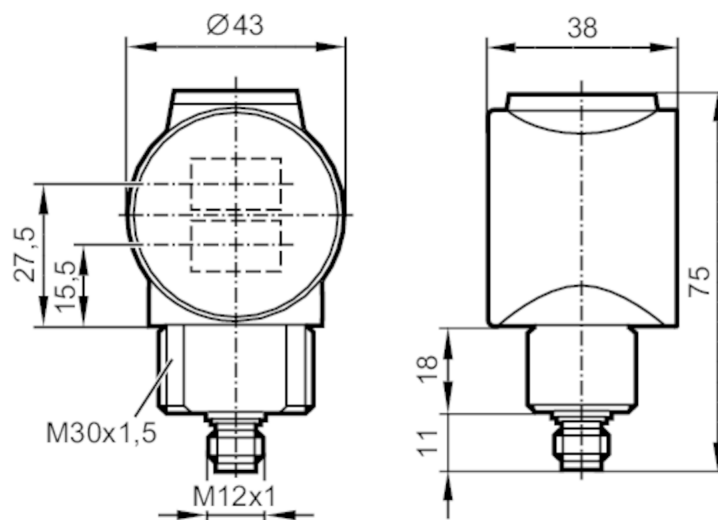
Retro-reflective sensor

OIP-HPKG/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
---------------	-----------

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

OIP281



Retro-reflective sensor

OIP-HPKG/US/15M

Outputs		
Electrical design	PNP	
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	yes (non-latching)	
Overload protection	yes	
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]	201.2	
Dimensions [mm]	M30 x 1.5	
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 x	
Remarks		
Remarks	cULus - Class 2 source required	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12		

OIP281

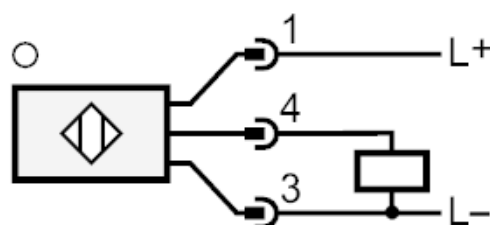


Retro-reflective sensor

OIP-HPKG/US/15M



Connection



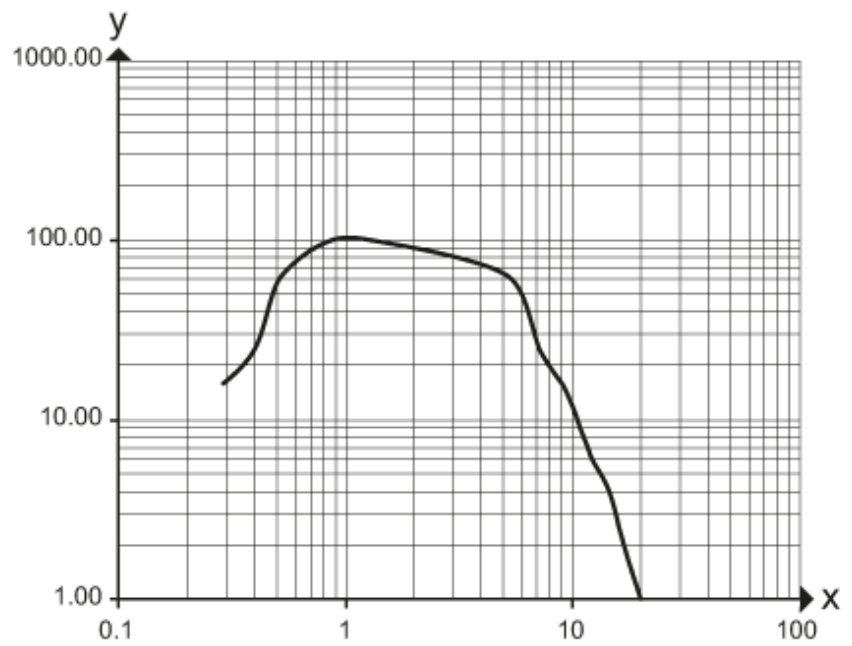


Retro-reflective sensor

OIP-HPKG/US/15M

Diagrams and graphs

excess gain graph



x: Abstand [m]

y: Funktionsreservefaktor