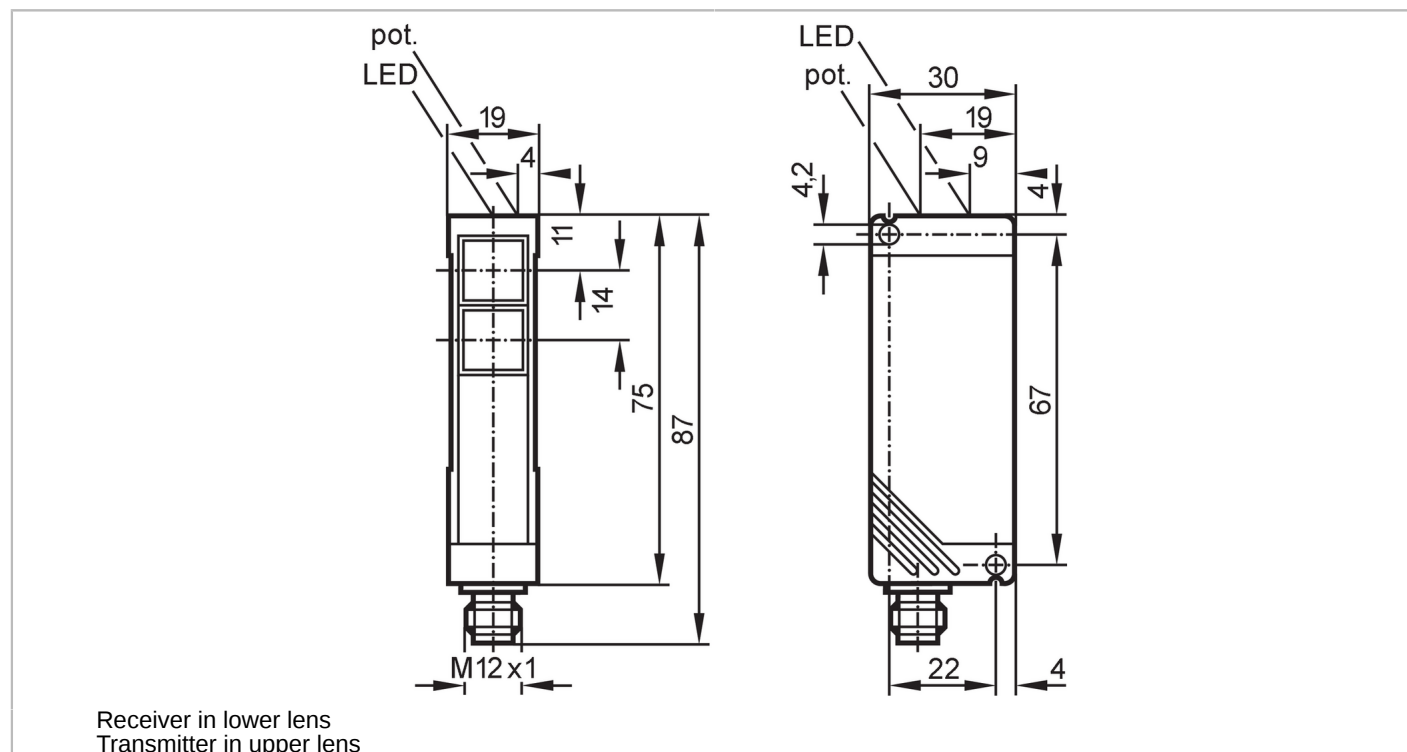




Retro-reflective sensor

OTP-FPKG/US-100-IPF



Product characteristics

Type of light	red light
Housing	rectangular

Application

Special feature	polarization filter
Function principle	Retro-reflective sensor
Application	Industrial applications

Electrical data

Operating voltage	[V]	10...50 DC
Current consumption	[mA]	35; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

Outputs

Electrical design		PNP
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	150
Short-circuit protection		yes



Retro-reflective sensor

OTP-FPKG/US-100-IPF

Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
Range referred to prismatic reflector [m]	0.2...2; (Prismatic reflector Ø 80 E20005)	
Range adjustable	yes	
Max. light spot diameter [mm]	280	
Light spot dimensions refer to	at maximum range	
Polarization filter available	yes	
Operating conditions		
Ambient temperature [°C]	-25...60	
Protection	IP 65	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	585	
Mechanical data		
Weight [g]	162.5	
Housing	rectangular	
Dimensions [mm]	75 x 19 x 30	
Material	housing: PBT	
Lens material	front lens:PMMA	
Lens alignment	Side sensing	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Accessories		
Items supplied	Angle bracket: 1, E20461	
	screwdrivers	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; coding: A; Contacts: 4		
		

OT5017



Retro-reflective sensor

OTP-FPKG/US-100-IPF

Connection



Diagrams and graphs

excess gain graph

