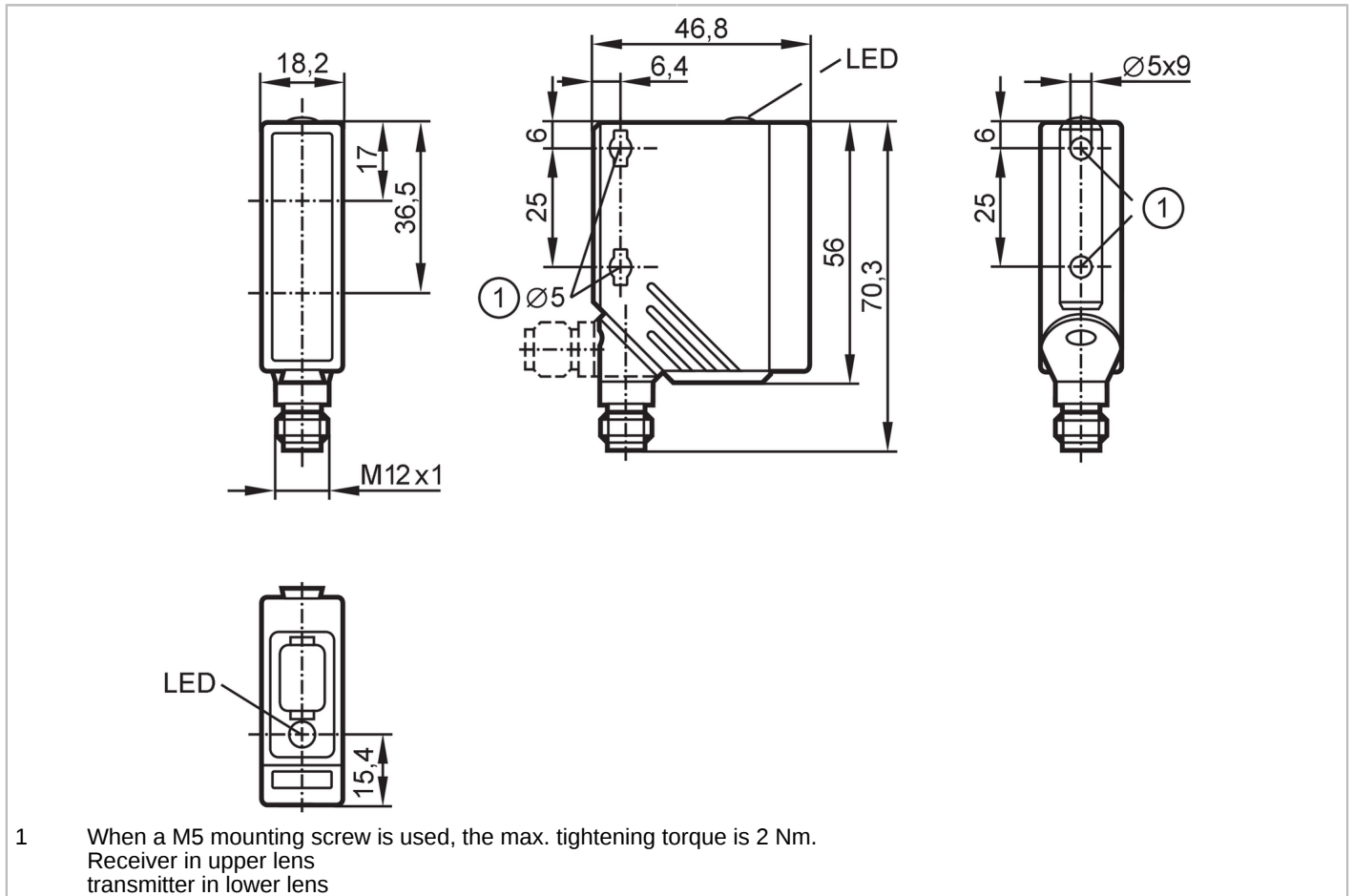


# O5P200



## Retro-reflective sensor

O5P-DPKG/US100



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Special feature		polarization filter
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	20
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624
Outputs		
Electrical design		PNP
Output function		dark-on mode
Max. voltage drop switching output DC	[V]	2.5

# O5P200



## Retro-reflective sensor

O5P-DPKG/US100

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

<b>Monitoring range</b>	
Range referred to prismatic reflector [m]	0.1...7; (Prismatic reflector Ø 80 E20005)
Range adjustable	no
Max. light spot diameter [mm]	175
Light spot dimensions refer to	at maximum range
Polarization filter available	yes

<b>Operating conditions</b>	
Ambient temperature [°C]	-25...60
Protection	IP 67

<b>Tests / approvals</b>	
EMC	EN 60947-5-2
MTTF [years]	502

<b>Mechanical data</b>	
Weight [g]	62
Housing	rectangular
Dimensions [mm]	56 x 18.2 x 46.8
Material	operator interface: TPE; housing: PA; Front framework: stainless steel
Lens material	front lens:PMMA
Lens alignment	Side sensing

<b>Displays / operating elements</b>		
Display	Switching status	1 x LED, yellow

<b>Remarks</b>	
Remarks	cULus - Class 2 source required
Pack quantity	1 pcs.

## Electrical connection

Connector: 1 x M12; coding: A



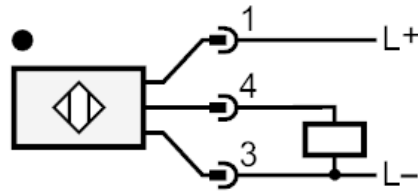
# O5P200



## Retro-reflective sensor

O5P-DPKG/US100

### Connection



### Diagrams and graphs

excess gain graph

