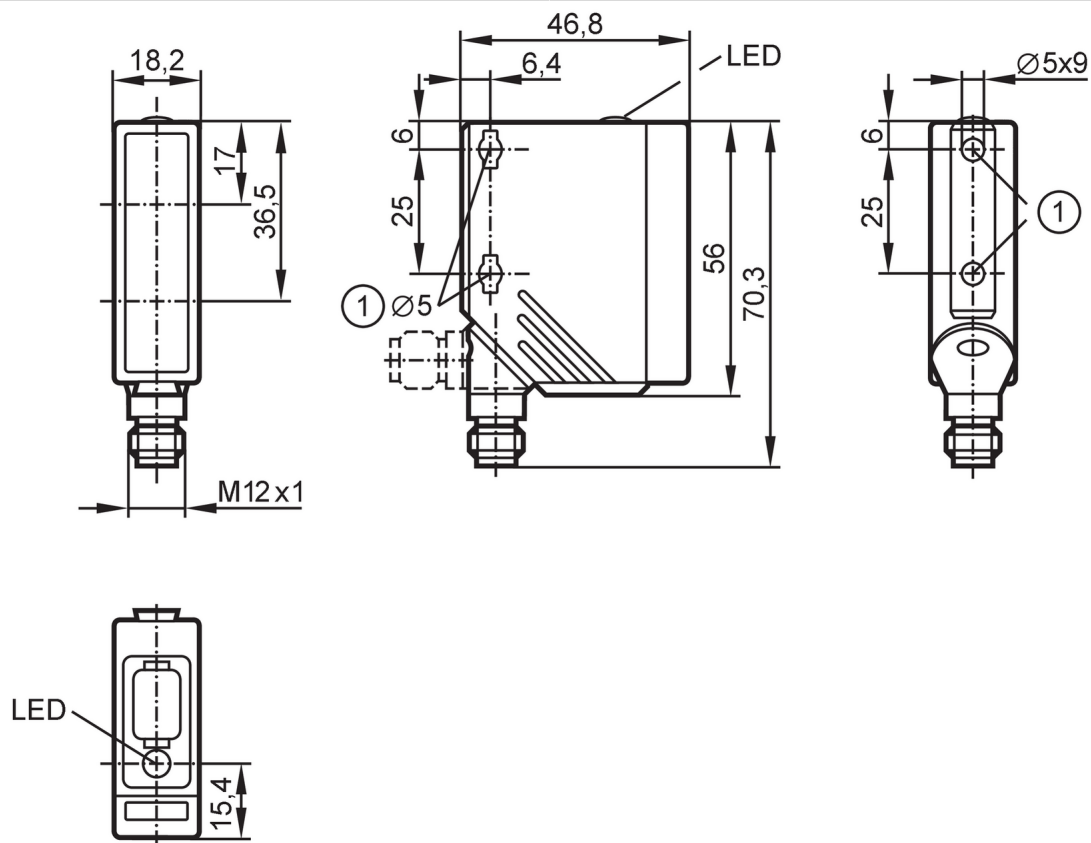




Retro-reflective sensor

O5P-CPKG/US100



- 1 When a M5 mounting screw is used, the max. tightening torque is 2 Nm.
Receiver in upper lens
transmitter in lower lens



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...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		complementary
Max. voltage drop switching output DC	[V]	2.5



Retro-reflective sensor

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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...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

Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2
MTTF [years]	456

Mechanical data

Weight [g]	62.5
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

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4

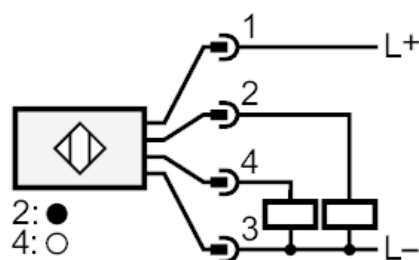




Retro-reflective sensor

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Connection



Diagrams and graphs

excess gain graph

