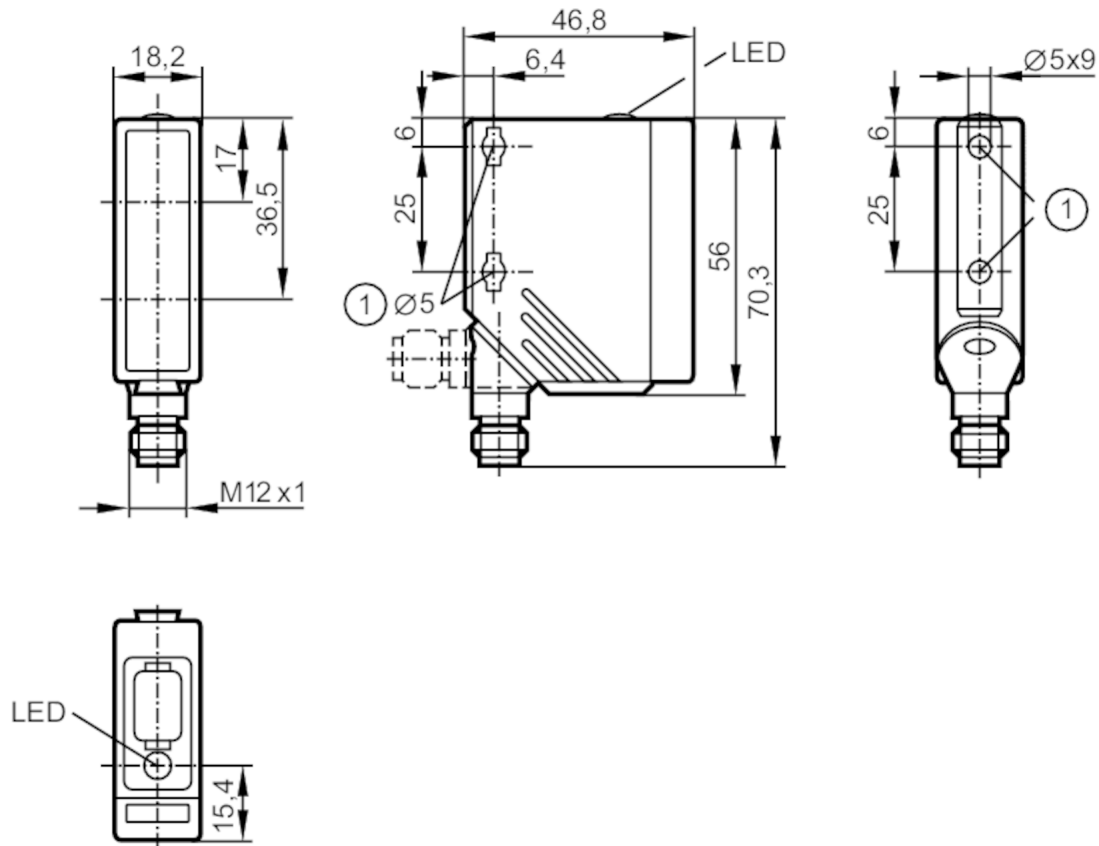


O5P203



Retro-reflective sensor

O5P-HPKG/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	polarisation 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

Outputs

Electrical design		PNP
Output function		light-on mode
Max. voltage drop switching output DC	[V]	2.5



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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	pulsed
Overload protection	yes

Detection zone

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
Polarisation filter available	yes

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2
MTTF [years]	492

Mechanical data

Weight [g]	62.5
Housing	rectangular
Dimensions [mm]	56 x 18.2 x 46.8
Materials	housing: PA; bezel: stainless steel; operator interface: TPE
Lens material	PMMA
Lens alignment	side lens

Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Remarks	operating voltage "supply class 2" according to cULus
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A





Retro-reflective sensor

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Connection

