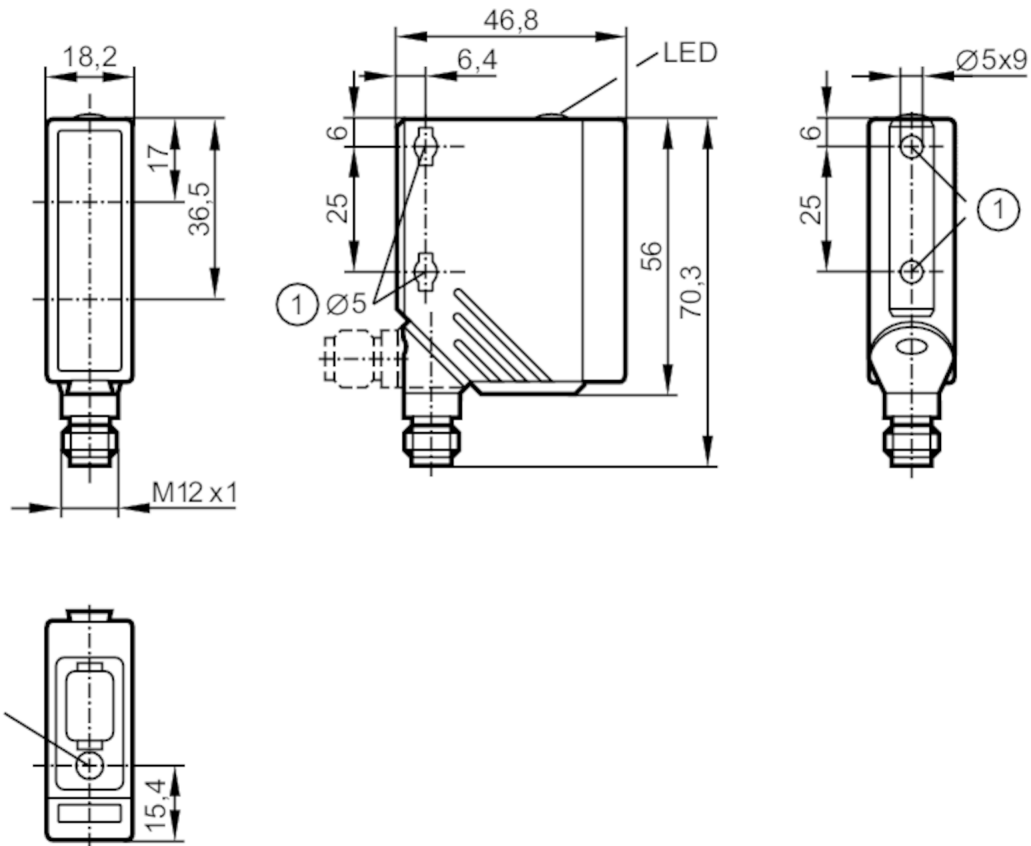


O5P203



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

System	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

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	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]	492

Mechanical data

Weight [g]	62.5
Housing	rectangular
Dimensions [mm]	56 x 18.2 x 46.8
Material	housing: PA; Front framework: stainless steel; operator interface: TPE
Lens material	PMMA
Lens alignment	Side sensing

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Remarks

Remarks	cULus - Class 2 source required
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



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Connection

