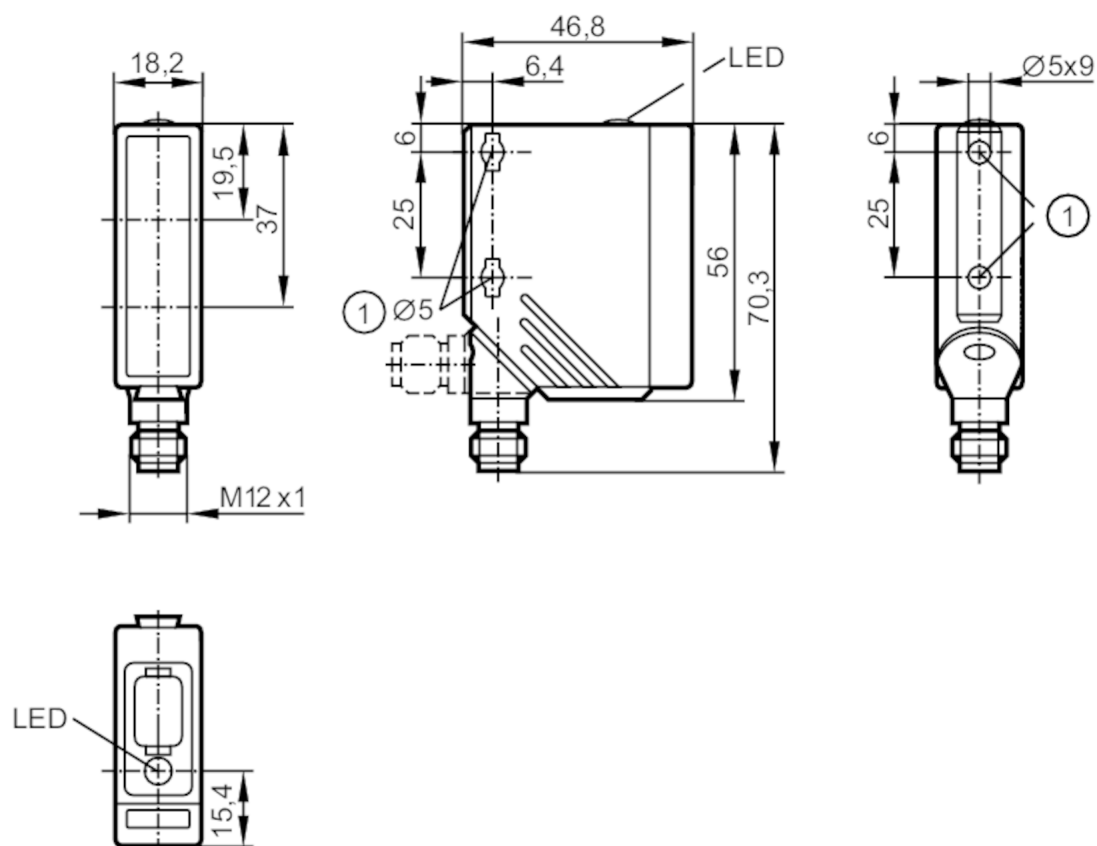




Diffuse reflection sensors with background suppression

O5H-HPKG/400MM/US100

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- 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	Background suppression
Function principle	Diffuse reflection sensor

Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	25
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624

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 [mm]	< 400; (white paper 200 x 200 mm 90 % remission)
Range adjustable	no
Max. light spot diameter [mm]	60
Light spot dimensions refer to	Range
Background suppression available	yes

Operating conditions	
Ambient temperature [°C]	-25...60
Protection	IP 69K

Tests / approvals	
EMC	EN 60947-5-2

Mechanical data	
Housing	rectangular
Dimensions [mm]	56 x 18.2 x 46.8
Material	housing: PA; Front framework: stainless steel; LED window: PC
Lens material	PMMA

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

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



O5H203



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Connection

