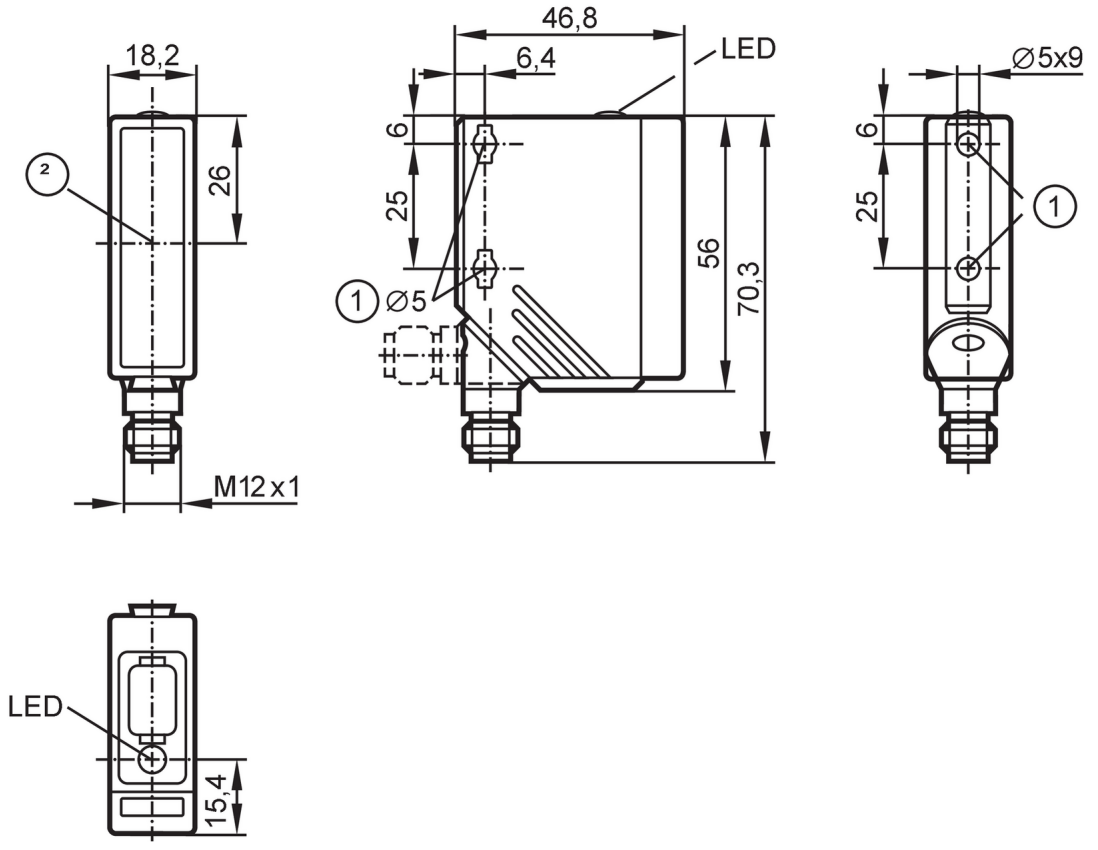
O5S700

Through-beam laser sensor transmitter

O5SLOOKG/US100



1 When a M5 mounting screw is used, the max. tightening torque is 2 Nm.
2 Sensing surface

Product characteristics		
Type of light		red light
Laser protection class		1
Housing		rectangular
Application		
Function principle		Through-beam sensor
Application		Industrial applications
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	13
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	655
Monitoring range		
Transmitter / receiver		transmitter
Range	[m]	< 60
Range adjustable		no
Max. light spot diameter	[mm]	150

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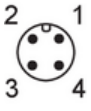
Light spot dimensions refer to		at maximum range	
Operating conditions			
Ambient temperature	[°C]	-10...60	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
Laser protection class		1	
Notes on laser protection		Caution:	Laser light
		laser class:	1
			EN / IEC60825-1:2007
			EN / IEC60825-1:2014
			Complies with 21 CFR 1040.10 except for conformance with IEC 60825-1 Ed. 3, as described in Laser Notice No. 56, dated May 8, 2019.
MTTF	[years]	1038	
Mechanical data			
Weight	[g]	67	
Housing		rectangular	
Dimensions	[mm]	56 x 18.2 x 46.8	
Material		housing: PA; Front framework: stainless steel; operator interface: TPU (urethane)	
Lens material		front lens:PMMA	
Lens alignment		Side sensing	
Displays / operating elements			
Display		Power	1 x LED, green
Remarks			
Remarks		cULus - Class 2 source required	
Pack quantity		1 pcs.	

Electrical connection

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



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Connection