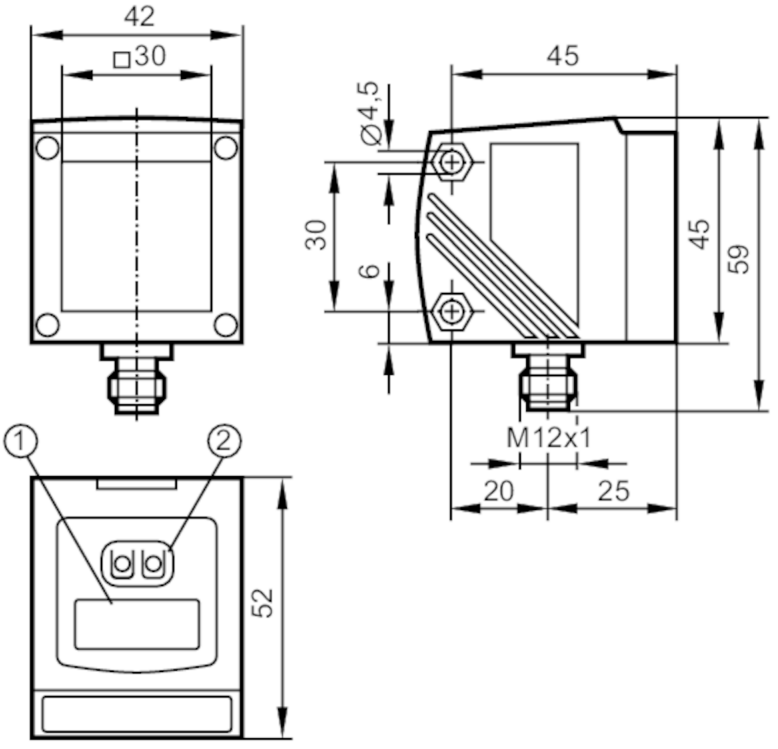
O1D209

Photoelectric distance sensor

O1DLF3KG



1 alphanumeric display 4-digit
2 programming buttons

Product characteristics		
Laser protection class		2
Housing		rectangular
Electrical data		
Operating voltage	[V]	18...30 DC; ("supply class 2" to cULus)
Current consumption	[mA]	< 150
Protection class		III
Reverse polarity protection		yes
Typ. lifetime	[h]	50000
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 2; Number of analogue outputs: 1
Outputs		
Total number of outputs		2
Electrical design		PNP
Number of digital outputs		2
Output function		normally open / normally closed; (programmable)
Max. current load per output	[mA]	200
Number of analogue outputs		1
Analogue current output	[mA]	4...20; (IEC 61131-2)

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Max. load	[Ω]	250	
Analogue voltage output	[V]	0...10; (IEC 61131-2)	
Min. load resistance	[Ω]	5000	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
Max. light spot width	[mm]	200	
Max. light spot height	[mm]	200	
Light spot dimensions refer to		100 m	
Background suppression	[m]	100...600	
Measuring/setting range			
Measuring range	[m]	1...100; (Reflector)	
Sampling rate	[Hz]	1...25	
Operating conditions			
Ambient temperature	[°C]	-10...60	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
Laser protection class		2	
Notes on laser protection		Caution:	laser light
		Power:	<= 4,0 mW
		Wave length:	650 nm
		pulse:	1,3 ns
		Do not stare into beam.	
		Avoid exposure to the laser light.	
		laser class:	2
			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]	186	
Mechanical data			
Weight	[g]	314	
Housing		rectangular	
Dimensions	[mm]	59 x 42 x 52	
Materials		housing: diecast zinc; front pane: glass; LED window: PC	
Lens alignment		side lens	
Displays / operating elements			
Display		switching status	2 x LED, yellow
		operation	LED, green
		distance value, programming	alphanumeric display, 4-digit

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Remarks

Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection

