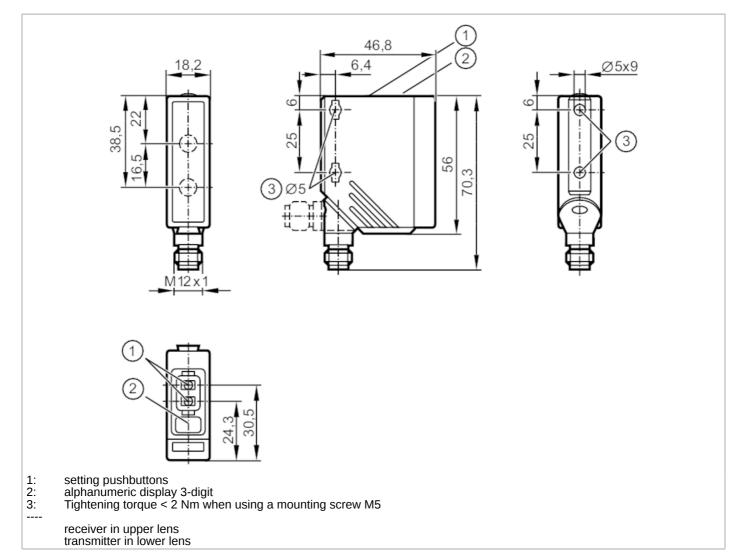
### Photoelectric distance sensor









Product characteristics		
Type of light		red light
Laser protection class		1
Housing		rectangular
Application		
Special feature		Background suppression
Electrical data		
Operating voltage	[V]	1030 DC; ("supply class 2" to cULus)
Current consumption	[mA]	75; (24 V)
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	650
Typ. lifetime	[h]	50000

### Photoelectric distance sensor





Inputs / outputs				
Number of inputs and outputs		Number of di	gital outputs: 2	
Outputs				
Total number of outputs			2	
Electrical design		PNP		
Number of digital outputs			2	
Output function		normally open / normally	closed; (complementary)	
Max. current load per output	[mA]	1	00	
Switching frequency DC	[Hz]	1	11	
Short-circuit protection		у.	es	
Type of short-circuit protection		pul	sed	
Overload protection		У	es	
Detection zone				
Max. light spot diameter	[mm]		5	
Light spot dimensions refer to		2	m	
Detection range hysteresis	[%]	<	4	
Note on monitoring range hysteresis		black 6%	remission	
Background suppression available		у	es	
Background suppression	[m]	<	20	
Measuring/setting range				
Measuring range	[m]	0.0	32	
Sampling rate	[Hz]	3	33	
Interfaces				
Communication interface		IO-	Link	
Transmission type		COM2 (38,4 kBaud)		
IO-Link revision		1.1		
SDCI standard		IEC 61131-9		
Profiles		Smart Sensor: Sensor Identification; Binary Data Channel; Process Value; Sensor Diagnosis		
SIO mode		У	es	
Process data analogue			1	
Process data binary			1	
Min. process cycle time	[ms]	6	.6	
Supported DeviceIDs		Type of operation	DeviceID	
		default	372	
Operating conditions				
Ambient temperature	[°C]	-2560		
Note on ambient temperature			is necessary, laser is off	
Protection	FI 1 2	IP 65	; IP 67	
Max. immunity to extraneous light	[klx]	10; (on the object)		

### Photoelectric distance sensor





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 except for deviations pursuant to Laser Notice No. 50, dated June 2007.
MTTF	[years]	151	
Mechanical data			
Weight	[g]		61
Housing		rectangular	
Dimensions	[mm]		56 x 18.2 x 46.8
Materials		housing: PA; bezel:	stainless steel; operator interface: TPU; lens: PMMA
Lens alignment			side lens
Displays / operating elem	ents		
Display		switching status	LED, yellow switching output PIN 4
		operation	LED, green
		display	alphanumeric display, 3-digit
Display unit			cm
Remarks			
Pack quantity		1 pcs.	

# Electrical connection

Connector: 1 x M12; coding: A

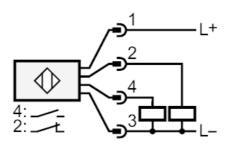


### Photoelectric distance sensor

O5DLCPKG/US



### Connection



### 4: OUT / IO-Link

### Other data

#### accuracy

	accuracy	
distance	black (6 % remission)	white (90 % remission)
0 mm	± 25 mm	± 25 mm
500 mm	± 25 mm	± 25 mm
1000 mm	± 25 mm	± 25 mm
1500 mm	± 40 mm	± 30 mm
2000 mm	± 50 mm	± 30 mm

Extraneous light on the object < 10 klx

