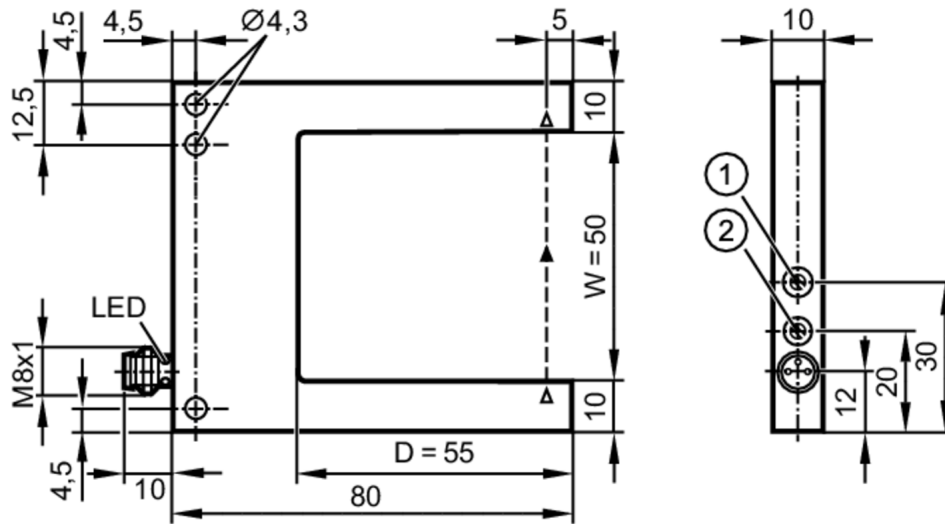




Photoelectric fork sensor

OPU-FNKG/IO-LINK/AS



- 1 potentiometer sensitivity
2 output function switch



Product characteristics

Type of light	red light
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Electrical data

Operating voltage	[V]	10...30 DC; ("supply class 2" to cULus)
Current consumption	[mA]	< 30
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

Outputs

Electrical design		NPN
Output function		light-on/dark-on mode; (selectable)
Max. voltage drop switching output DC	[V]	1
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	5000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Diameter of the smallest detectable object	[mm]	0.3
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Interfaces

Communication interface	IO-Link
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Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor: Device Identification; Device Diagnosis; Teach Channel; Switching Channel; Process Data Variable	
SIO mode	yes	
Required master port type	A	
Min. process cycle time [ms]	3.2	
Supported DeviceIDs	Type of operation	DeviceID
	default	1103

Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2	
MTTF [years]	709	

Mechanical data

Weight [g]	122.5
Dimensions [mm]	70 x 10 x 80
Fork depth D [mm]	55
Fork width W [mm]	50
Materials	housing: diecast zinc black anodised; lens: glass

Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Remarks	operating voltage "supply class 2" according to cULus
Pack quantity	1 pcs.

Electrical connection

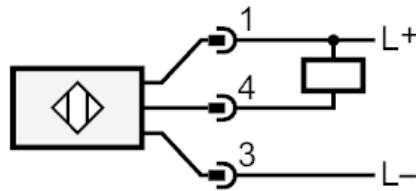
Connector: 1 x M8; coding: A



Photoelectric fork sensor

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Connection



4

OUT / IO-Link