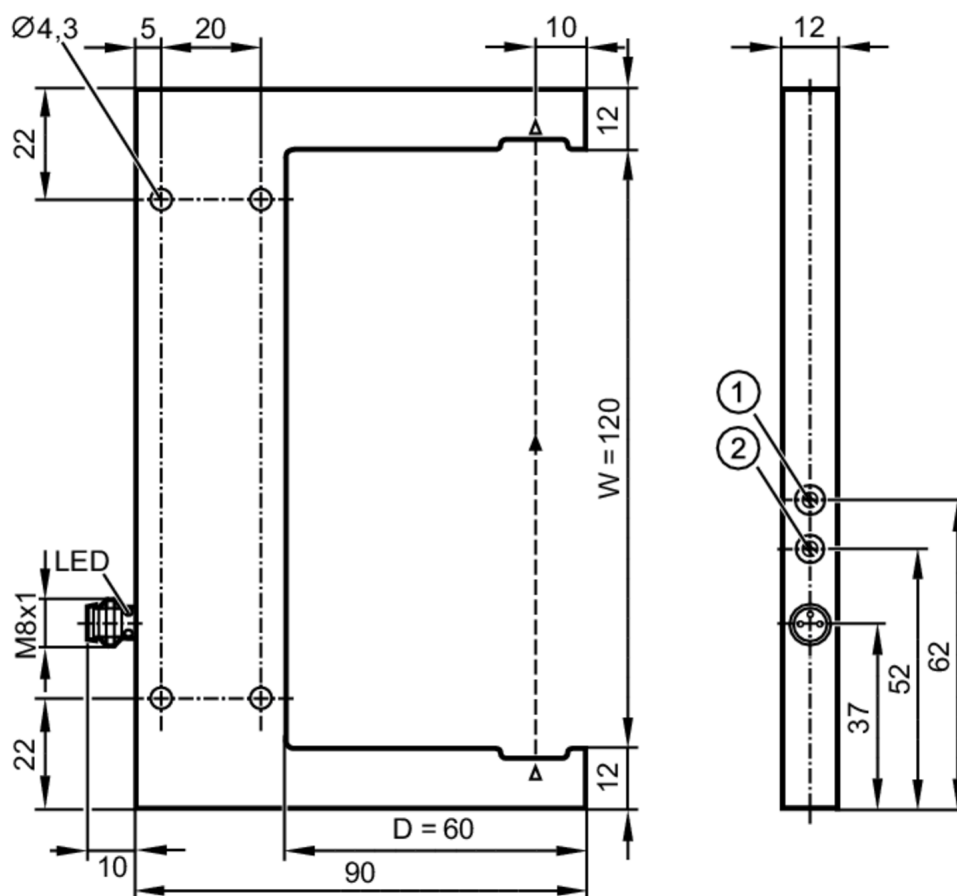




Photoelectric fork sensor

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...35 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



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Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Diameter of the smallest detectable object [mm]	0.5
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Interfaces

Communication interface	IO-Link				
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	<table> <tr> <th>Type of operation</th><th>DeviceID</th></tr> <tr> <td>default</td><td>1105</td></tr> </table>	Type of operation	DeviceID	default	1105
Type of operation	DeviceID				
default	1105				

Operating conditions

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

Tests / approvals

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

Mechanical data

Weight [g]	297
Dimensions [mm]	144 x 12 x 90
Fork depth D [mm]	60
Fork width W [mm]	120
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



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Connection



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OUT / IO-Link