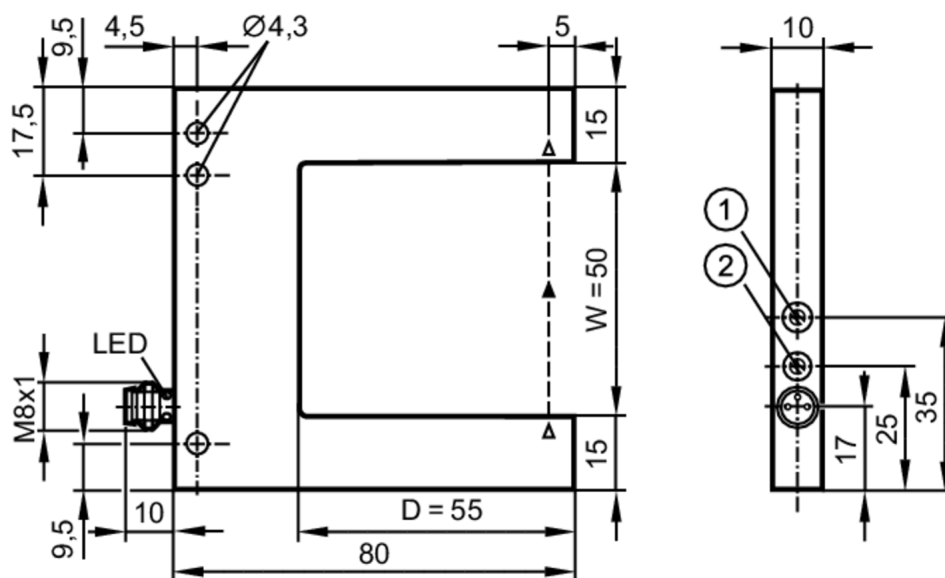


OPU701



Optical fork sensor

OPULFPKG/AS



- 1 potentiometer sensitivity
- 2 output function switch



Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	30
Protection class		III
Reverse polarity protection		yes
Type of light		red light

Outputs

Electrical design		PNP
Output function		light-on/dark-on mode; (selectable)
Max. voltage drop switching output DC	[V]	2.8
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	3000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Diameter of the smallest detectable object	[mm]	0.05
Detection range hysteresis	[mm]	< 0.02

Accuracy / deviations

Repeatability	[mm]	0.01
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Operating conditions

Ambient temperature	[°C]	5...45
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2
Laser protection class		1; (IEC 60825-1 : 2007; Complies with 21 CFR 1040 except for deviations pursuant to Laser Notice No. 50, dated June 2007.)
MTTF	[years]	475

Mechanical data

Weight	[g]	124.8
Dimensions	[mm]	80 x 10 x 80
Fork depth D	[mm]	55
Fork width W	[mm]	50
Materials		housing: aluminium 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



Connection

