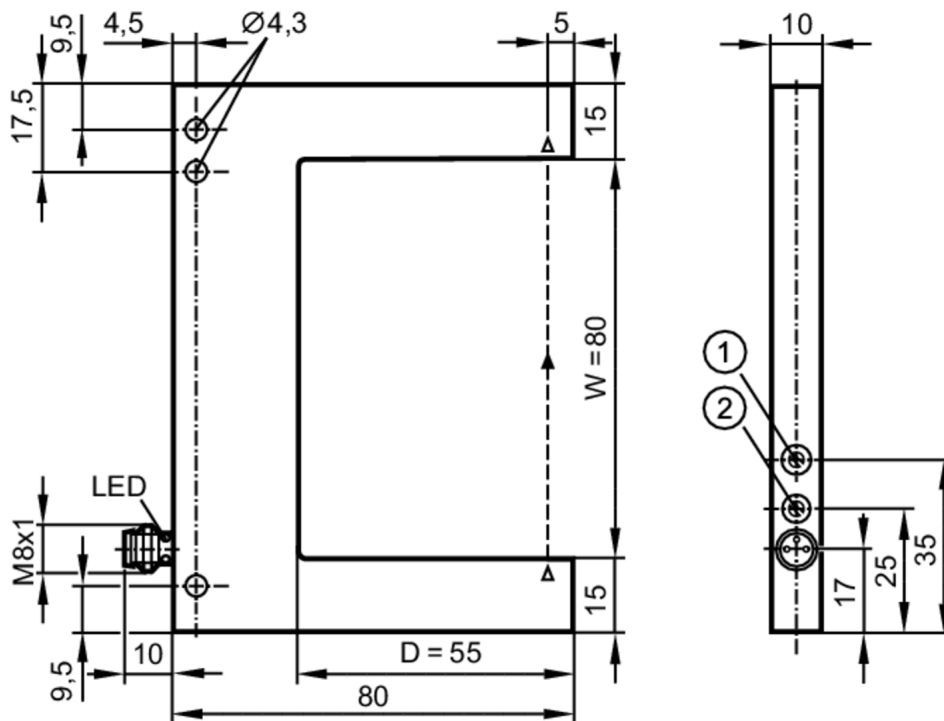


OPU702

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
Wave length	[nm]	670

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

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Accuracy / deviations		
Repeatability	[mm]	0.01
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]	137.8
Dimensions	[mm]	110 x 10 x 80
Fork depth D	[mm]	55
Fork width W	[mm]	80
Materials	housing: aluminium black anodised; lens: glass	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M8		
		

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Connection

