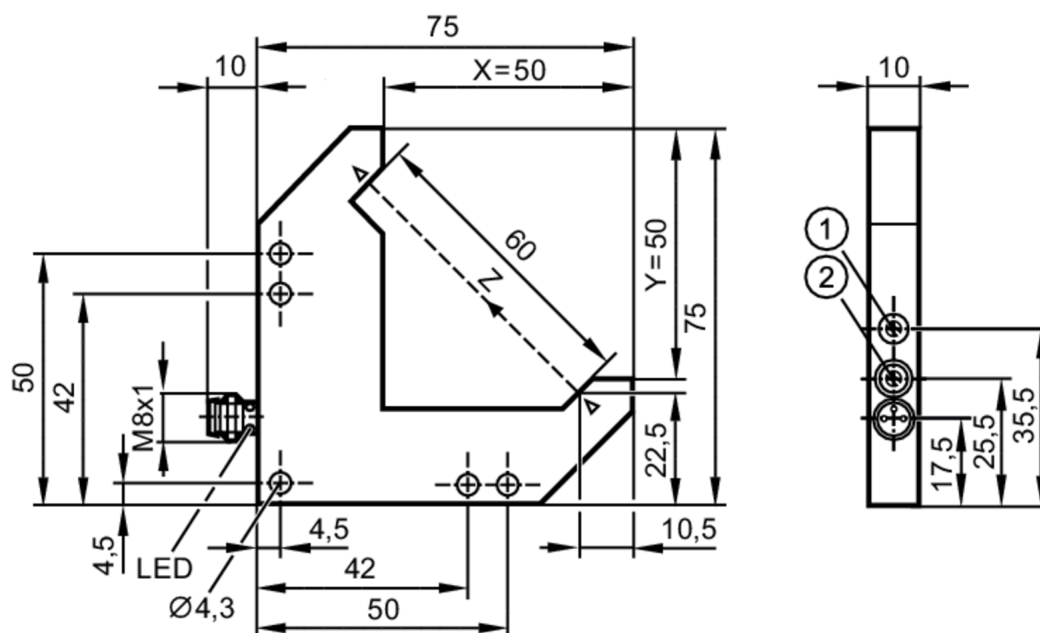




Optical angle sensor

OPL-FNKG/AS



- 1 potentiometer sensitivity
2 output function switch



Electrical data

Operating voltage	[V]	10...35 DC
Current consumption	[mA]	< 30
Protection class		III
Reverse polarity protection		yes
Type of light		red light

Outputs

Electrical design		NPN
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]	4000
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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Operating conditions

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



Optical angle sensor

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Tests / approvals

EMC		EN 60947-5-2	
MTTF	[years]		572

Mechanical data

Weight	[g]	98.8
Dimensions	[mm]	75 x 10 x 75
Side length X	[mm]	50
Side length Y	[mm]	50
Sensor width Z	[mm]	60
Materials		housing: diecast zinc black anodised; lens: glass

Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M8



Connection

