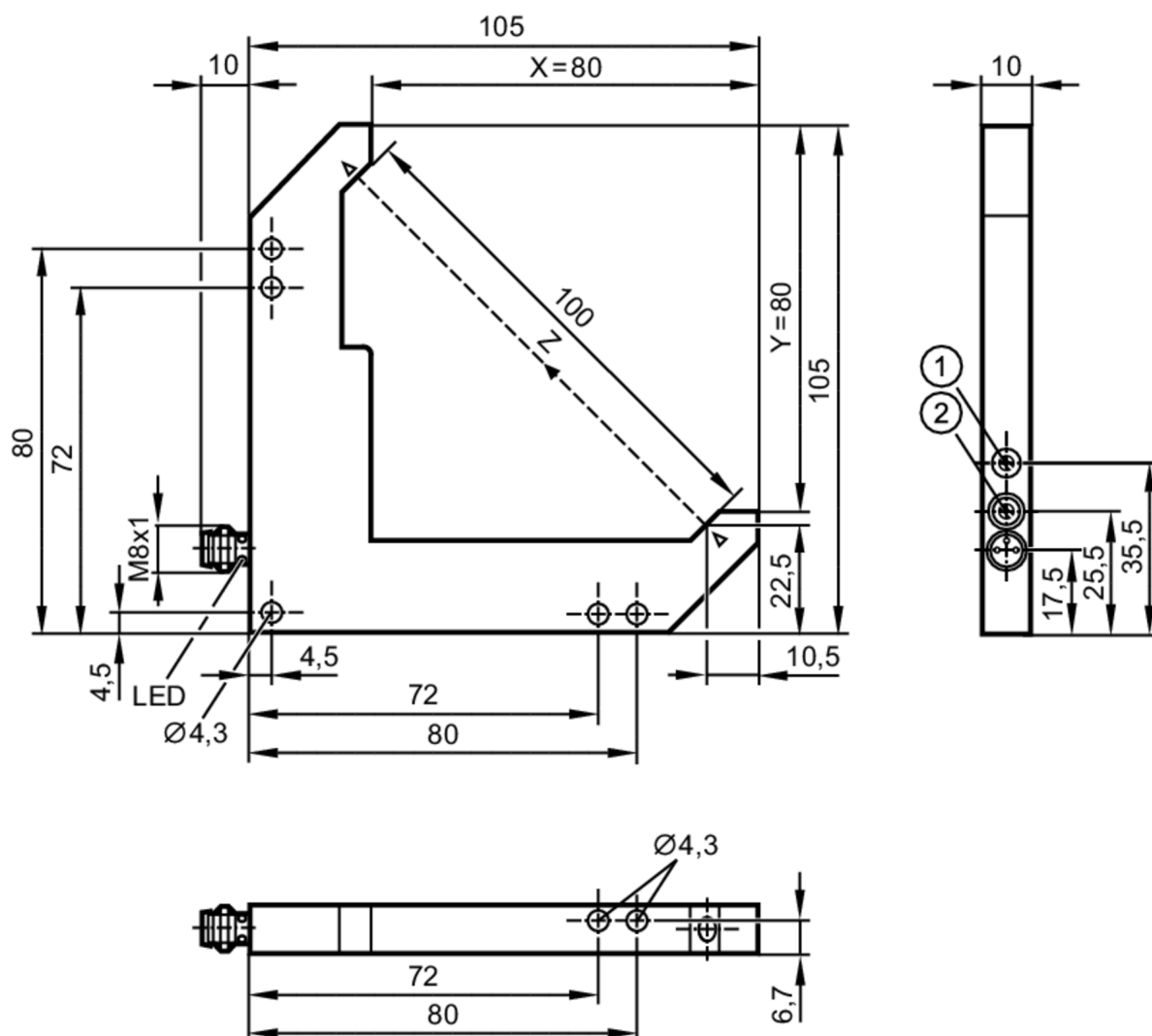


OPL203

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



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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]	0.7	
Operating conditions		
Ambient temperature [°C]	-25...60	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	571	
Mechanical data		
Weight [g]	185	
Dimensions [mm]	105 x 10 x 105	
Side length X [mm]	80	
Side length Y [mm]	80	
Sensor width Z [mm]	100	
Materials	housing: diecast zinc black anodised; lens: glass	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M8		
		

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Connection

