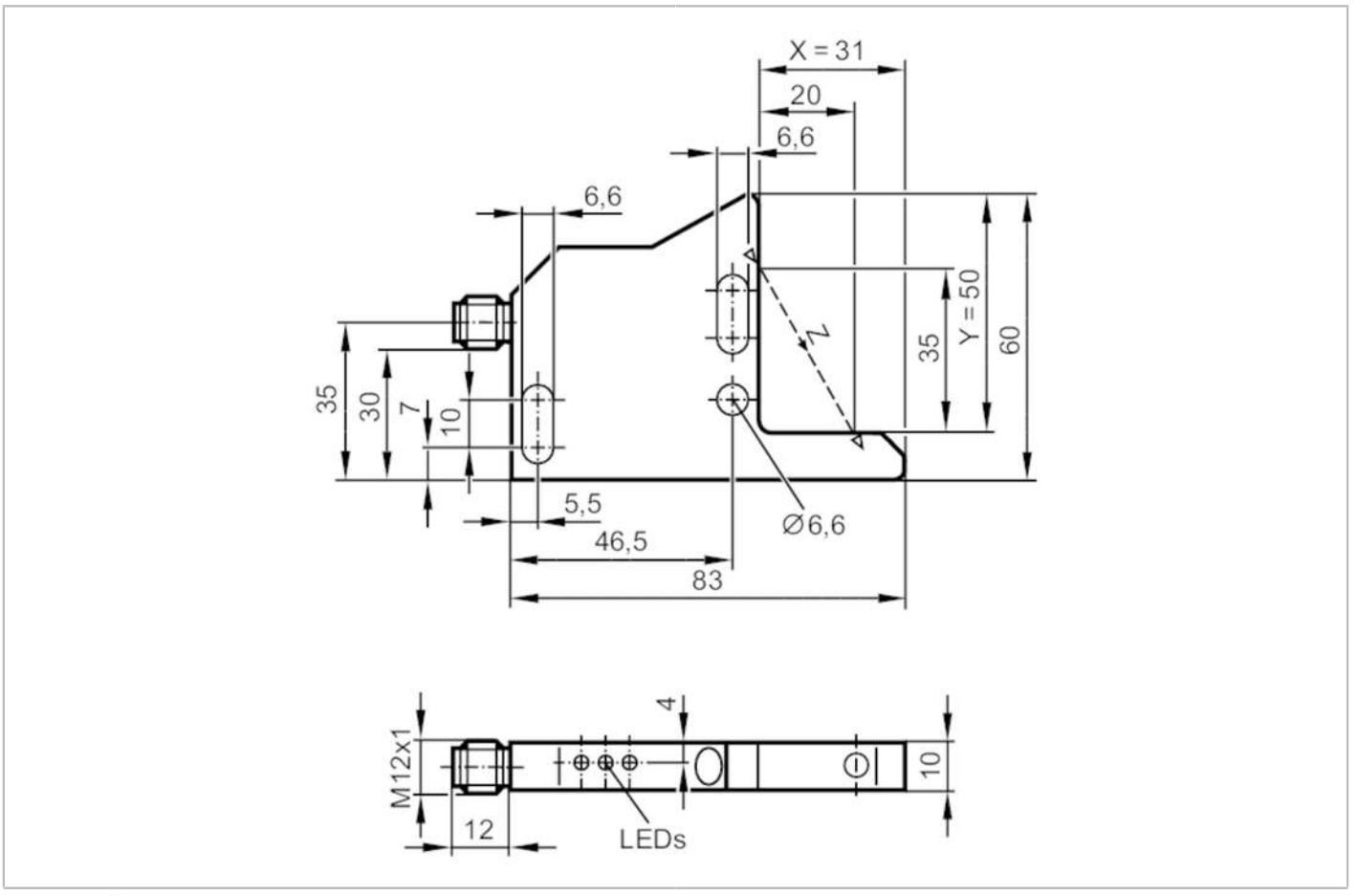
OPL205

Photoelectric angle sensor

OPL-DPKG/US



Product characteristics		
Type of light		infrared light
Application		
Special feature		Function check output
Electrical data		
Operating voltage	[V]	10...35 DC; ("supply class 2" to cULus)
Current consumption	[mA]	< 45
Protection class		III
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	870
Outputs		
Electrical design		PNP
Output function		dark-on mode
Max. voltage drop switching output DC	[V]	2
Function check output		yes
Max. current load for function check output	[mA]	200

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Permanent current rating of switching output DC	[mA]	200	
Switching frequency DC	[Hz]	200	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Operating conditions			
Ambient temperature	[°C]	-10...60	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	951	
Mechanical data			
Weight	[g]	134.5	
Dimensions	[mm]	60 x 10 x 83	
Side length X	[mm]	31	
Side length Y	[mm]	50	
Sensor width Z	[mm]	40.31	
Materials		housing: diecast zinc; lens: glass	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
		function	1 x LED, yellow
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Connector: 1 x M12; coding: A



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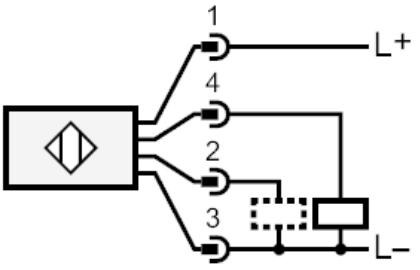
Connection



2	Function check output