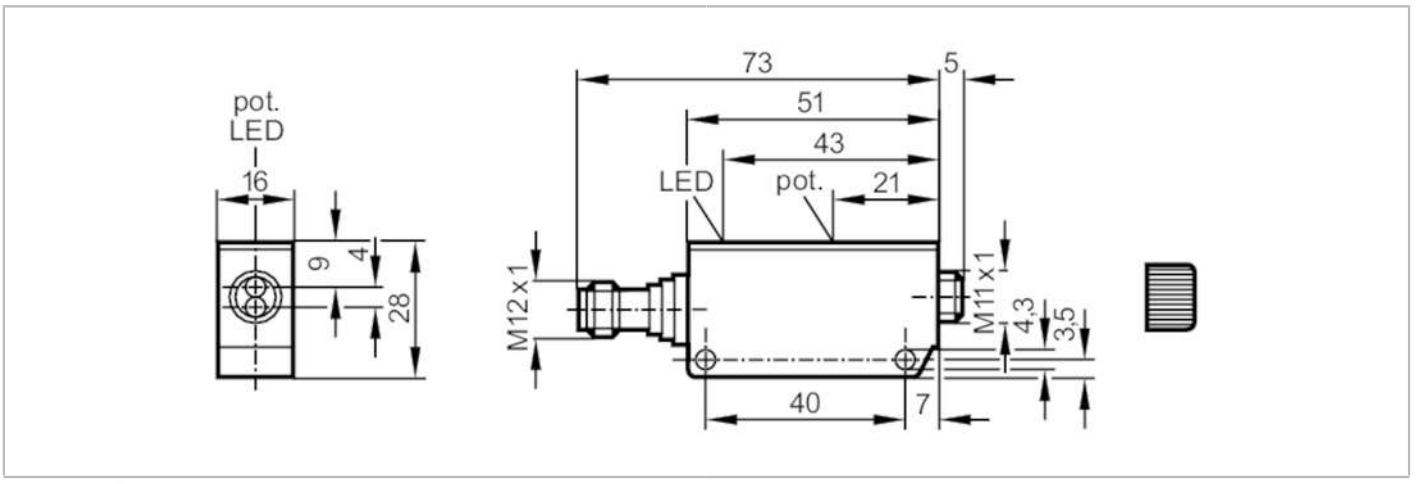
OU5043

Fibre-optic amplifier

OUF-HPKG/US-100-DPS



Product characteristics		
Type of light		infrared light
Housing		rectangular
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	35; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	880
Outputs		
Electrical design		PNP
Output function		light-on mode
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Range	[m]	0...0.12; (Through-beam sensor)
Range	[mm]	0...40; (Diffuse reflection sensor)
Range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65

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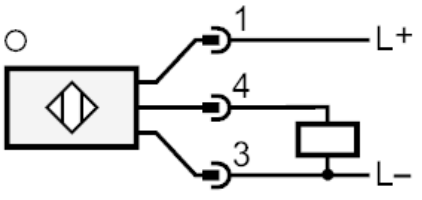
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	653	
Mechanical data			
Weight	[g]	75.5	
Housing		rectangular	
Dimensions	[mm]	28 x 16 x 56	
Materials		PPO modified	
Lens material		glass	
Lens alignment		side lens	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		Angle bracket: 1, E20211	
		screwdrivers	
Remarks			
Remarks		light-on mode corresponds to the NC output function for through-beam fibre optics	
		corresponds to the NO output function for diffuse-reflection fibre optics	
Pack quantity		1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A



Connection



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Diagrams and graphs

excess gain graph

