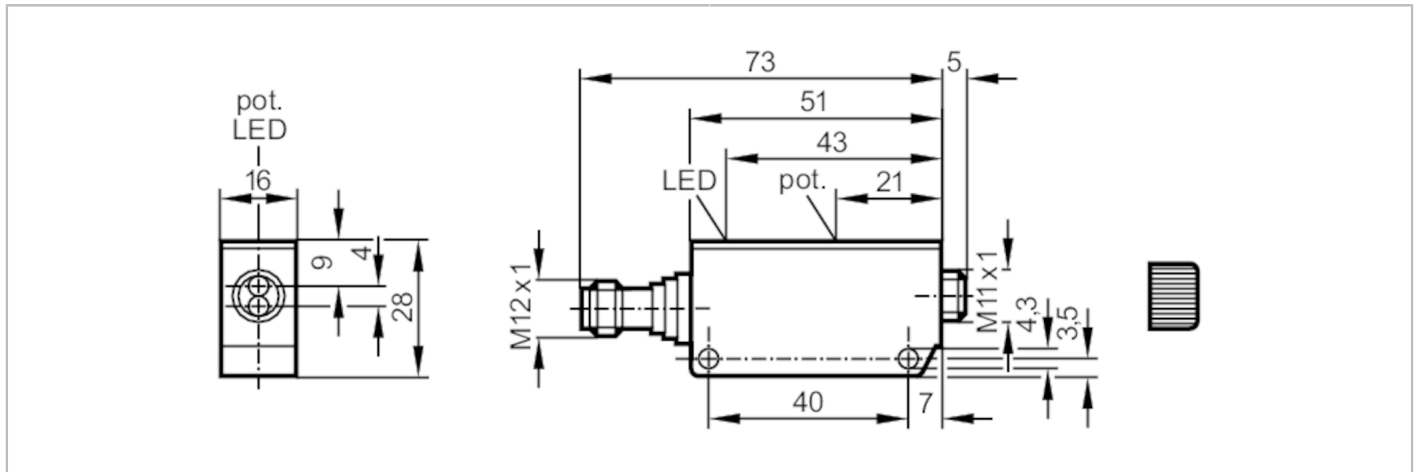


OU5043



Fibre-optic amplifier

OUF-HPKG/US-100-DPS



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
Tests / approvals		
EMC		EN 60947-5-2
		EN 55011
MTTF	[years]	653
		class B

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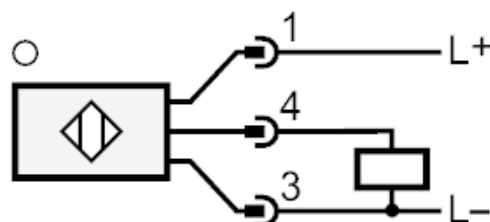
Mechanical data		
Weight	[g]	75.5
Housing		rectangular
Dimensions	[mm]	28 x 16 x 56
Materials		PPO modified
Lens material		glass
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)	Angle bracket: 1 x, E20211 screwdrivers	
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



Connection





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OUF-HPKG/US-100-DPS

Diagrams and graphs

excess gain graph

