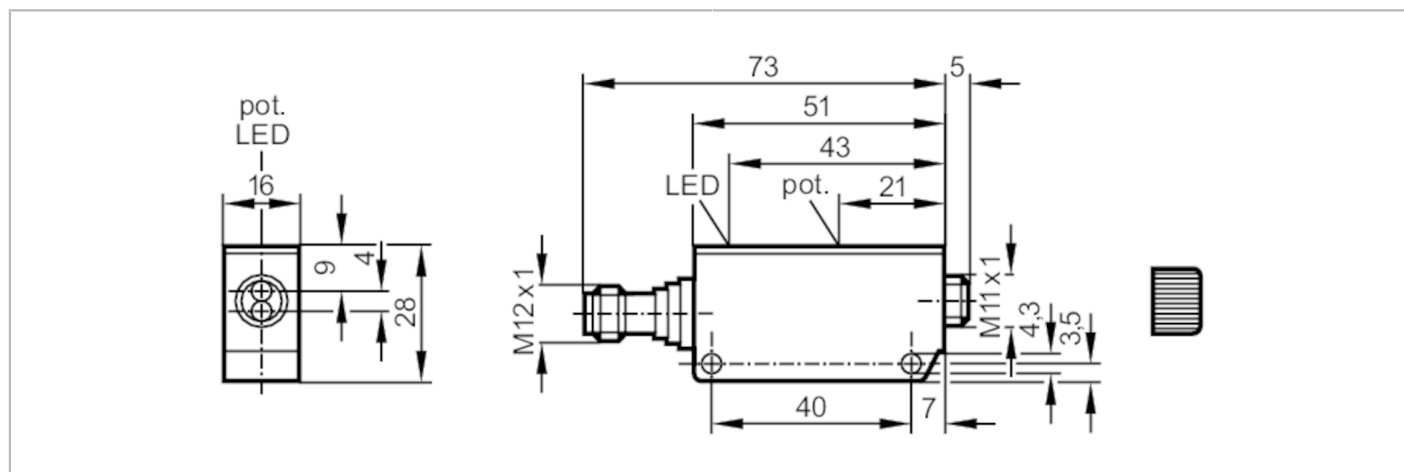




Fibre-optic amplifier

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



Fibre-optic amplifier

OUF-HPKG/US-100-DPS

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

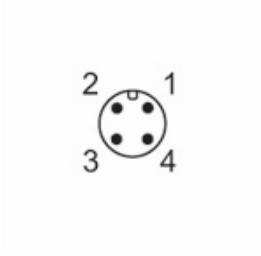
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories		
Items supplied	Angle bracket: 1, E20211	
	screwdrivers	

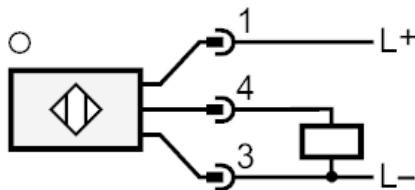
Remarks		
Remarks	light-on mode corresponds to the NC output function for through-beam fibre optics	
	corresponds to the NO output function for diffuse-reflection fibre optics	
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A



Connection





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Diagrams and graphs

excess gain graph

