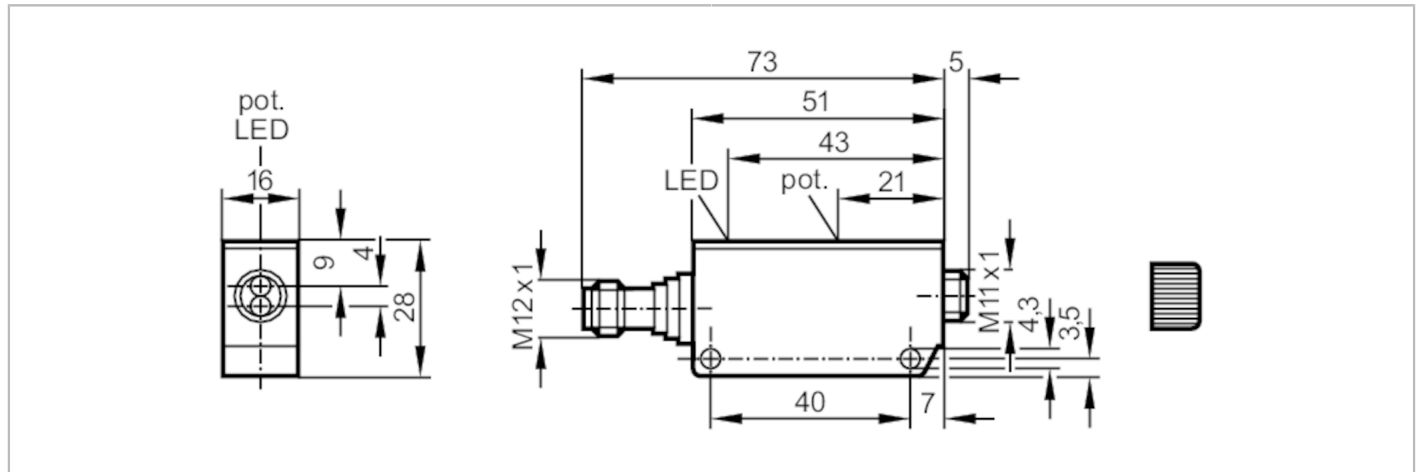


# OU5043



## Fiber-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		yes (non-latching)
Overload protection		yes
Monitoring range		
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

# OU5043



## Fiber-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
Material	PPO modified
Lens material	glass
Lens alignment	Side sensing

### Displays / operating elements

Display	Switching status	1 x LED, yellow
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### Accessories

Items supplied	Angle bracket: 1, E20211 screwdrivers
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### Remarks

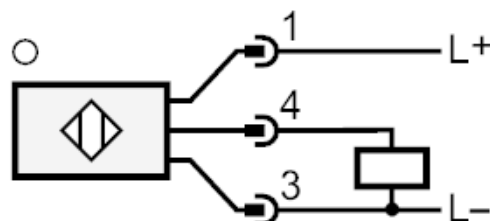
Remarks	light-on mode corresponds to the NC output function for through-beam fibers corresponds to the NO output function for diffuse-reflection fibers
Pack quantity	1 pcs.

### Electrical connection

Connector: 1 x M12



### Connection



# OU5043



## Fiber-optic amplifier

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### Diagrams and graphs

excess gain graph

