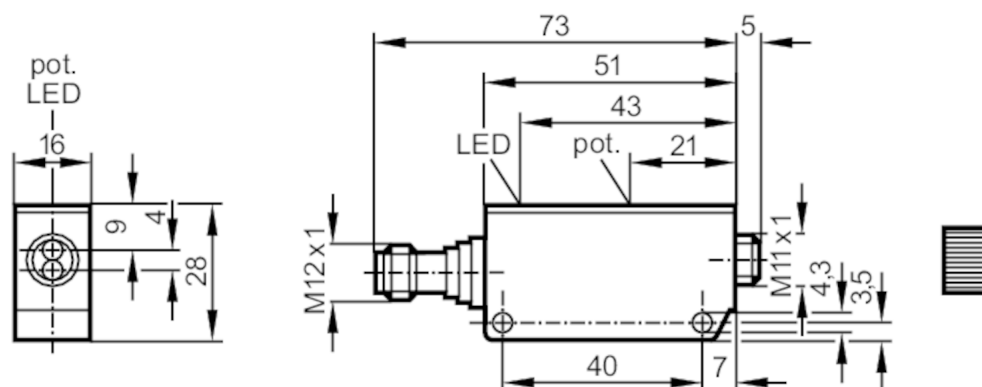


Fiber-optic amplifier

OUF-HPKG/US-100-DPS



Product characteristics

Type of light	Infrared light
Housing	rectangular
Dimensions [mm]	28 x 16 x 56

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



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

Accessories		
Items supplied	Angle bracket: 1, E20211 screwdrivers	

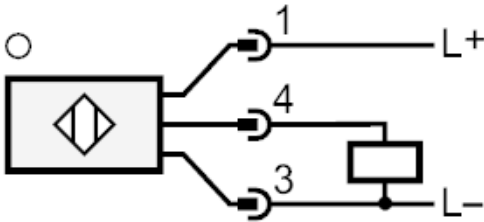
Remarks		
Remarks	light-on mode corresponds to the NC output function for through-beam fibers	
	corresponds to the NO output function for diffuse-reflection fibers	
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12



Connection



**Fiber-optic amplifier**

OUF-HPKG/US-100-DPS

Diagrams and graphs

excess gain graph

