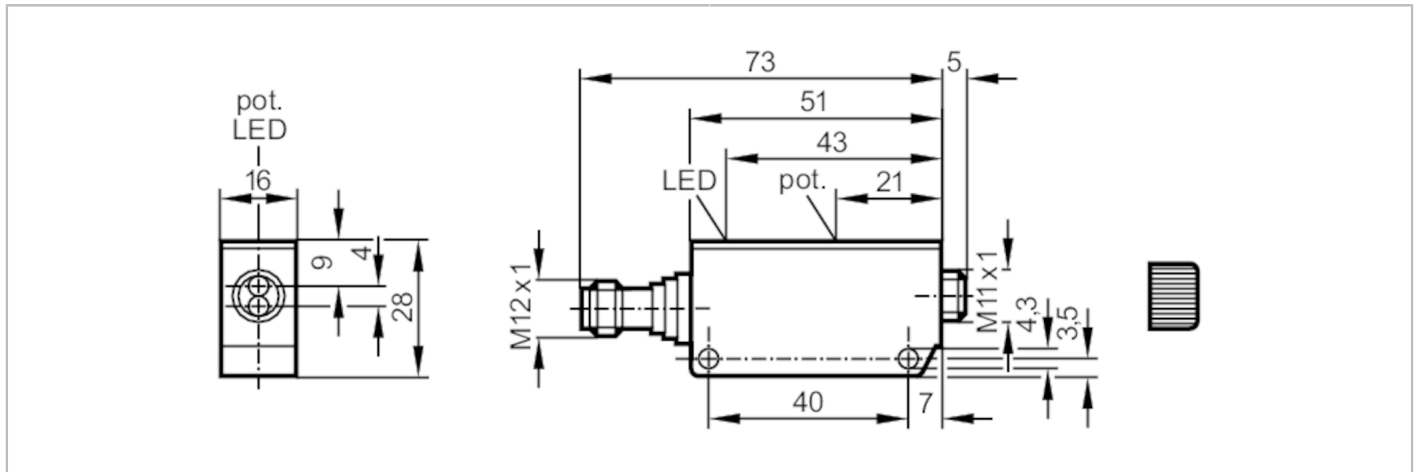


OU5043



Fibre-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	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

OU5043



Fibre-optic amplifier

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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
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Accessories

Accessories (supplied)	Angle bracket: 1 x, E20211 screwdrivers
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Remarks

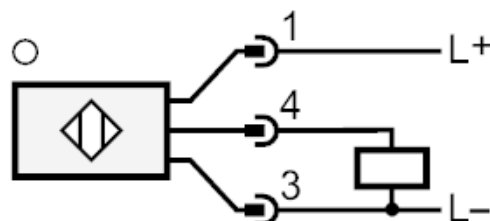
Remarks	light-on mode corresponds to the NC output function for through-beam fibre optics corresponds to the NO output function for diffuse-reflection fibre optics
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12



Connection





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Diagrams and graphs

excess gain graph

