

OUF-DNKG/US-100-DNO

Technical drawing of the LED module showing front and side views with dimensions.

Front View Dimensions:

- Overall width: 16
- Distance from center to mounting hole center: 9
- Mounting hole diameter: 4
- Overall height: 28

Side View Dimensions:

- Overall length: 73
- Distance from front face to LED chip: 51
- Distance from front face to potentiometer: 43
- Distance from front face to mounting hole: 21
- LED chip width: 5
- Mounting hole diameter: M12 x 1
- Distance from LED chip to potentiometer: 40
- Distance from potentiometer to mounting hole: 7
- Mounting hole diameter: M11 x 1
- Distance from potentiometer to front face: 4.3
- Distance from potentiometer to bottom face: 3.5

Type of light	Infrared light
Housing	rectangular

Operating voltage	[V]	10...50 DC
Current consumption	[mA]	35; ((24 V))
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880

Electrical design	NPN
Output function	dark-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

Range	[m]	0...0.12; (Through-beam sensor)
Range	[mm]	0...40; (Diffuse reflection sensor)
Range adjustable		yes

Ambient temperature	[°C]	-25...80
Protection		IP 65

EMC	EN 60947-5-2	
	EN 55011	class B



Fiber-optic amplifier

OUF-DNKG/US-100-DNO

Mechanical data		
Housing		rectangular
Dimensions	[mm]	28 x 16 x 56
Material		PPO modified
Lens material		glass
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		Angle bracket
		screwdrivers
Remarks		
Remarks		dark-on mode corresponds to the NO output function for through-beam fibers
		corresponds to the NC output function for diffuse-reflection fiber optics
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection

