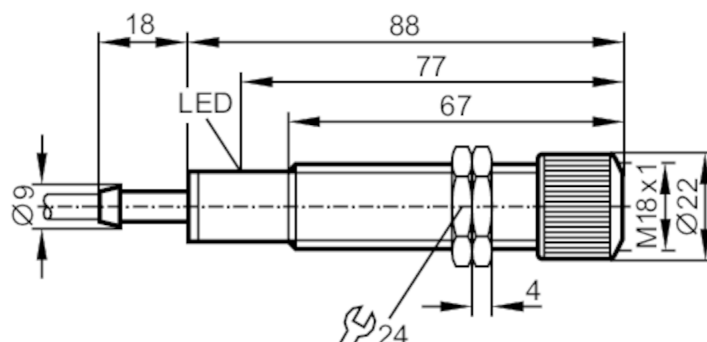


Fibre-optic amplifier

OGF-DBOA/90-250V

Article no longer available - archive entry



Product characteristics

Type of light	infrared light
Housing	threaded type

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	90...250 AC/DC
Protection class		II
Type of light		infrared light
Wave length	[nm]	880

Outputs

Output function		dark-on mode
Max. voltage drop switching output DC	[V]	9.5
Max. voltage drop switching output AC	[V]	9.5
Minimum load current	[mA]	10
Max. leakage current	[mA]	5
Permanent current rating of switching output AC	[mA]	200; (250 (...50 °C))
Permanent current rating of switching output DC	[mA]	50
Short-time current rating of switching output	[mA]	900; (10 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	70
Short-circuit protection		no
Overload protection		no

Detection zone

Range	[m]	0...0.08; (Through-beam sensor)
Range	[mm]	0...15; (Diffuse reflection sensor)

Operating conditions

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



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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 88
Thread designation	M18 x 1
Materials	brass nickel-plated
Lens material	PMMA

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
	Lock nut

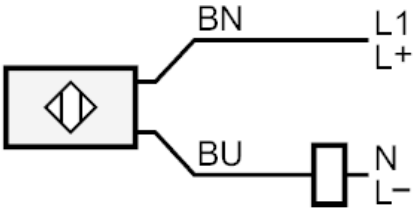
Remarks

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

Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



BN = Core colours : brown
BU = blue