

Product characteristics

Fiber-optic amplifier

Threaded type

M30 x 1.5

Terminals

Sensing range 300mm

Range 70mm

adjustable

Electrical data

Electrical design

Operating voltage [V]

Type of light

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

Current rating

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit proof

Overload protection

Switching frequency [Hz]

Monitoring range

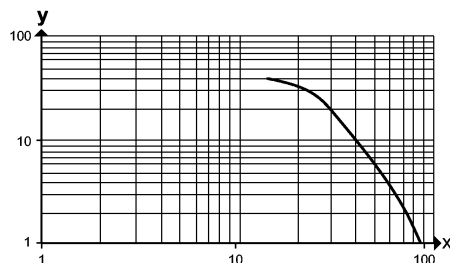
Sensing range [m]

Range [mm]

Excess gain graphs

x: distance in [mm]

y: excess gain factor



AC/DC

20...250 AC/DC

Infrared light 880 nm

II

no

light-on / dark-on programmable

< 10.5

15

< 6

250; 350 (...50 °C)

î: 2.2 A (10 ms / 0.5 Hz)

no

no

25 AC / 35 DC

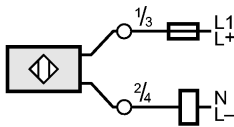
0.3

70

OI0013 - Fiber-optic amplifier - eclass: 27270905 / 27-27-09-05

Environment	
Ambient temperature [°C]	-25...80
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	309
Mechanical data	
Housing materials	PBT; modified PPO
Lens material	PMMA
Weight [kg]	0.117
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	terminals up to 1.5 mm ² ; cable diameter 7...13 mm, cable gland M20 x 1.5

Wiring



Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)

Accessories	
Accessories (included)	2 lock nuts; screwdriver
Remarks	
Remarks	<p>Recommendation: check the unit for reliable function after a short circuit.</p> <p>When through-beam fibre optics are connected light-on mode means the output function "NC" and when diffuse reflection fibre optics are connected the output function "NO".</p> <p>When through-beam fibre optics are connected dark-on mode means the output function "NO" and when diffuse reflection fibre optics are connected the output function "NC"</p>
Pack quantity [piece]	1