

- 1: Mounting on DIN rail
2: setting pushbuttons



Made in Germany

Product characteristics

Fibre-optic amplifier

Rectangular, plastics

Connector

For fibre optics with plastic sheath

Series FE/FT-11

Function check output

Automatic detection PNP/NPN

Sensing range 0...2000mm (Through-beam sensor)

Range 0...100mm (Diffuse reflection sensor)

adjustable

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Type of light

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop

- Switching output [V]

- Function check output [V]

Current rating

- Switching output [mA]

- Function check output [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Timer [s]

Range

Sensing range [m]

Range [mm]

Excess gain graphs

x: distance in [mm]

DC PNP/NPN

10...30 DC

< 50

red light 630 nm

III

yes

light-on / dark-on programmable

< 2.5

< 2.5

100

10

pulsed

yes

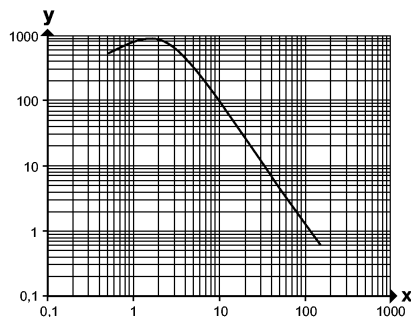
3000

0.001...0.09

0...2 (Through-beam sensor)

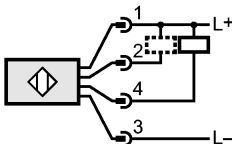
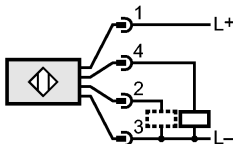
0...100 (Diffuse reflection sensor)

y: excess gain factor



Environment	
Ambient temperature	[°C]
Protection	
Tests / approvals	
EMC	
MTTF	[Years]
Mechanical data	
Housing materials	
Weight	[kg]
Displays / operating elements	
Output status indication	LED
Operation	LED
Unsafe zone	LED
Excess gain	LED
Electrical connection	
Connection	

Wiring



2 : function check

Remarks	
Remarks	
Pack quantity	[piece]

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".
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"
cULus - Class 2 source required