

## OV584910

### High performance light barriers • Amplifier

High-power photoelectric sensor amplifier, 76x78x40mm, 230V AC, change-over contact (NO/NC), 11-pin plug connection, IP40, plastic



The article OV584910 is a single-channel amplifier for a light barrier of the high-power light barrier systems. As part of the "amplifier" subgroup, it receives information from the receiver and regulates the power of the transmitter according to the parameters. In the "high-power light barrier" upper group, these systems are designed for extreme environments in which conventional light barriers reach their limits. With a range of up to 50000mm, the OV584910 amplifier is ideal for demanding applications such as in the wood and paper industry, vehicle washing systems, bulk material control and more. The robust design ensures reliable performance even in adverse conditions. With easy mounting and handling, these sensors offer a high level of user-friendliness.

#### Electrical features

Number of presets to be set	4
Number of channels	1
Number of contacts as change-over contact	1
Number of switching outputs	1
Display	LED display
Type of switching function	Change-over contact (NO/NC)
Type of alarm output	PNP
Type of electrical connection	Plug-in connection
Type of switching output	Relay contact
Rated switching current	5000mA
Input voltage tolerance	10%
No-load current	21mA
Power consumption	4.8VA
Number of pins	11
Switching distance	0 - 50000mm
Switching frequency	11Hz
Switching function of the alarm output	Normally open contact (NO)
Switching capacity	120VA
Switching voltage	230V
Switching voltage AC	230V
Switching voltage DC	24V
Operating voltage (AC 50Hz)	207 - 253V
With soiling compensation	Yes

**Mechanical features**

Design	Cuboid
Width	40mm
Height	76.5mm
Length	78.5mm
Mounting method	Relay base
Degree of protection (IP)	IP40
Housing material	Plastic
Ambient temperature	-25 - 50°C

**Optical features**

Range (transmitter with increased power, receiver with short design)	10
Range (transmitter with increased power, receiver with normal design)	25
Range (transmitter with maximum power, receiver with short design)	20
Range (transmitter with maximum power, receiver with normal design)	50
Range (transmitter with normal power, receiver with short design)	7
Range (transmitter with normal power, receiver with normal design)	15

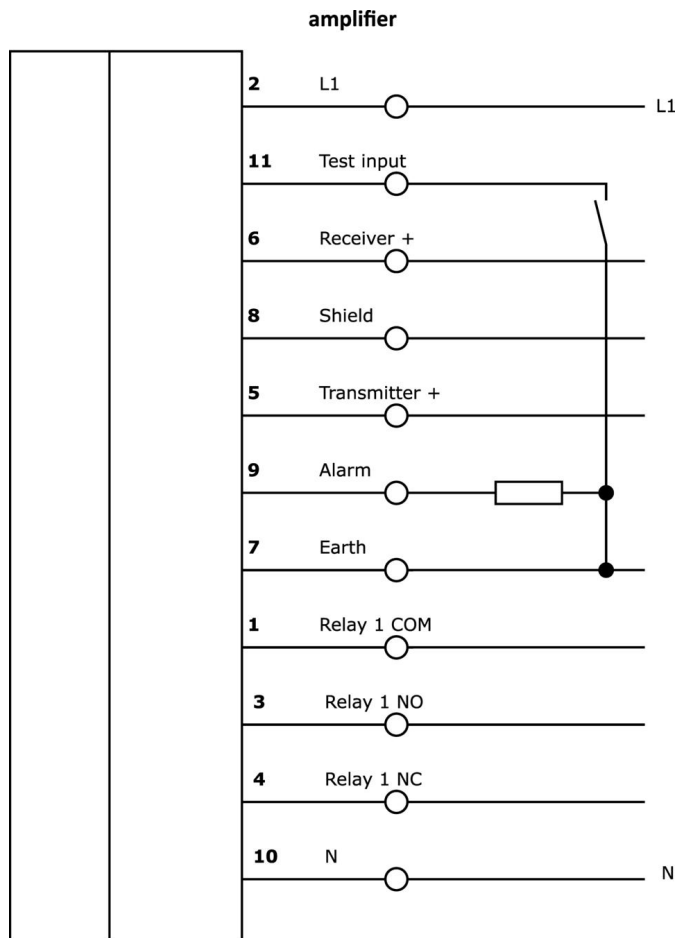
**Classification**

ETIM 8	EC001485 Isolation amplifier
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**More**

IPF Product Group	101 high performance through-beam sensors and amplifiers
packaging dimensions	120 x 80 x 45 mm
gross weight	254 g
Customs tariff number	85365080
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

## Connection



## Installation



Mounting / installation may only be carried out by a qualified electrician!

## Disposal



## Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

Never use these devices in applications where the safety of a person depends on their functionality.

For suitable connection and mounting accessories, please refer to our website [www.ipf-electronic.com](http://www.ipf-electronic.com).