

OV584980

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 with the number "OV584980" is a single-channel amplifier for a light barrier. It belongs to the "amplifiers" subgroup, which is specially designed to process information from receivers and regulate the power of the transmitters accordingly. This subgroup is in turn part of the "high-power light barriers" supergroup.

The high-performance light barrier systems were developed for applications where conventional light barriers reach their limits. Thanks to their extreme insensitivity to dirt and long range, they are ideal for demanding applications in industries such as the wood and paper industry, vehicle washing systems, the food industry and many more.

The OV584980 amplifier can achieve a range of up to 70000mm. Its high-quality technology ensures reliable power control in interaction with the transmitter and receiver. The simple installation and handling of the amplifiers as well as their high level of user-friendliness make them an optimal solution for a wide range of applications in the industrial sector.

Electrical features

Number of presets to be set	2
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 electrical connection	Plug-in connection
Type of switching output	Relay contact
Rated switching current	5000mA
Input voltage tolerance	10%
Setting procedure	Potentiometer
No-load current	17mA
Power consumption	3.8VA
Number of pins	11
Switching distance	0 - 70000mm
Switching frequency	18Hz
Switching capacity	120VA
Switching voltage	230V
Switching voltage AC	230V
Switching voltage DC	24V
Operating voltage (AC 50Hz)	207 - 253V

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)	30
Range (transmitter with increased power, receiver with normal design)	35
Range (transmitter with maximum power, receiver with short design)	50
Range (transmitter with maximum power, receiver with normal design)	70
Range (transmitter with normal power, receiver with short design)	20
Range (transmitter with normal power, receiver with normal design)	25

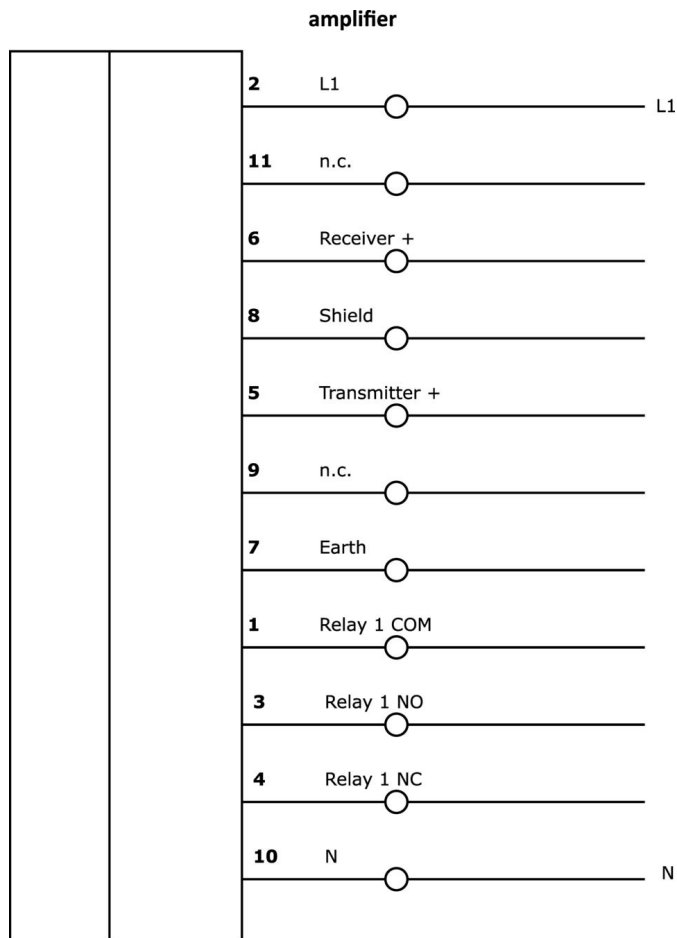
Classification

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	250 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.