

OV584915

High performance light barriers • Amplifier

High-power photoelectric sensor amplifier, 76x78x40mm, 230V AC, change-over contact (NO/NC), plug connection 11-pin, IP40, plastic, turn-off delay 10s



The article with the number "OV584915" is a single-channel amplifier for a light barrier. It belongs to the "amplifier" subgroup, which is a straight element in controlling the power of transmitters. These amplifiers, such as the OV584915, process the information they receive from the receivers and control the power of the transmitters accordingly.

The "amplifiers" subgroup is in turn part of the "high-power light barriers" supergroup. These special systems, which include the OV584915 amplifier, have been developed for demanding applications where conventional light barriers reach their limits. They are characterized by their extreme insensitivity to dirt and long range, making them ideal for demanding applications where compromises were previously necessary.

The OV584915 amplifier can achieve a range of up to 50000mm. Its reliability and user-friendliness make it ideal for use in various industries such as the wood and paper industry, vehicle washing systems, bulk material controls, elevators, outdoor gate controls, the food industry and many other areas.

The simple installation and handling of this amplifier as well as its robustness make it a reliable component for demanding automation solutions in industry and trade.

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
Turn-off delay	0 - 10ms
Rated switching current	5000mA
Input voltage tolerance	10%
Turn-on delay	0 - 10s
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

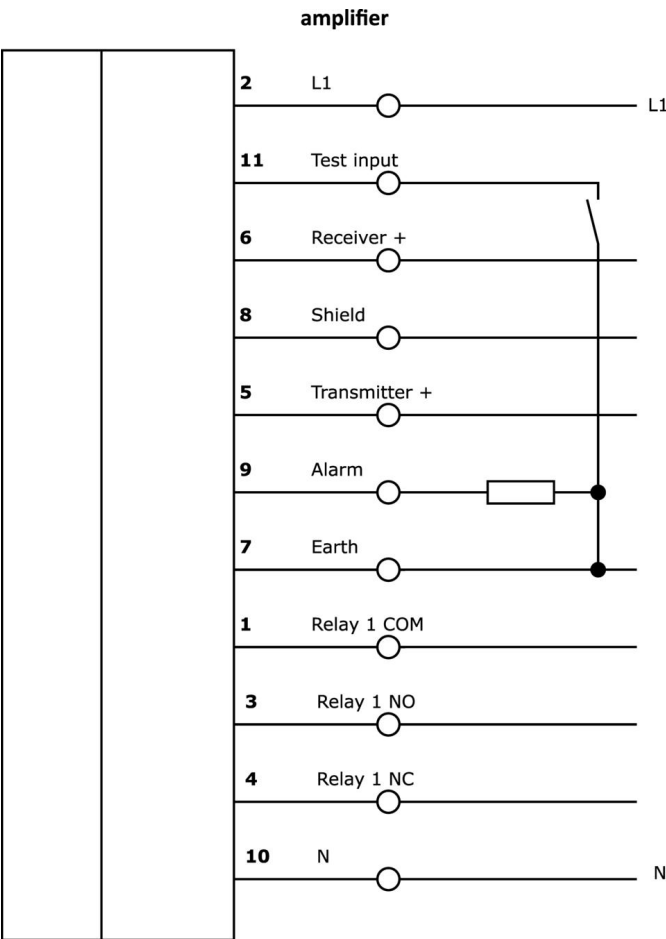
Classification

ETIM 8	EC001485 Isolation amplifier
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More

IPF Product Group	101 high performance through-beam sensors and amplifiers
packaging dimensions	
gross weight	260 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.