

OV584900

High performance light barriers • Amplifier

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



The article OV584900 is a single-channel amplifier for a light barrier from the "Amplifiers" subgroup, which belongs to the "High-power light barriers" supergroup. The OV584900 amplifier processes the information it receives from the receiver in order to regulate the power of the transmitter accordingly. With a range of up to 70000mm, it is particularly suitable for applications where conventional systems reach their limits. Its high dirt resistance and robustness make it ideal for areas such as the wood and paper industry, vehicle washing systems, bulk material control, elevators, outdoor gate control and the food industry. The simple installation and handling make the OV584900 amplifier particularly user-friendly.

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	PNP/NPN
Rated switching current	5000mA
Input voltage tolerance	10%
Setting procedure	Potentiometer
No-load current	18mA
Power consumption	4.2VA
Number of pins	11
Switching distance	0 - 70000mm
Switching frequency	30Hz
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

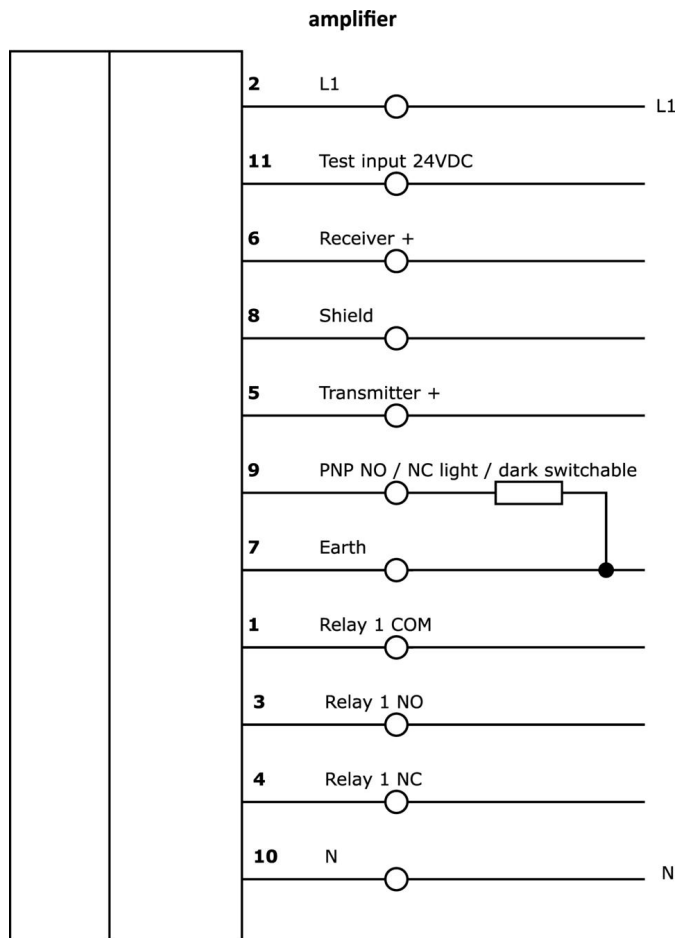
Classification

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 83 x 47 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.