

OV580910

High performance light barriers • Amplifier

High-performance photoelectric sensor amplifier, 76x78x40mm, 24V, change-over contact (NO/NC), 11-pin plug connection, IP40, plastic, fault signal output



The article OV580910 is an amplifier that belongs to the subgroup "amplifiers", which is an important component of the super-group "high-performance light barriers". These light barrier systems have been developed for demanding applications where conventional solutions are not sufficient. They are characterized by extreme insensitivity to dirt and a range of up to 60m. The OV580910 amplifier is a single-channel amplifier for light barriers with an impressive range of up to 50000mm. Its high performance and easy mounting make it ideal for applications in the wood and paper industry, vehicle washing systems, bulk material control, elevators, outdoor gate control and the food industry. Its robustness and ease of use make it a reliable solution for demanding industrial applications.

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	20%
No-load current	92mA
Power consumption	2.2VA
Number of pins	11
Switching distance	0 - 50000mm
Switching frequency	18Hz
Switching function of the alarm output	Normally open contact (NO)
Switching capacity	120VA
Switching voltage	24V
Switching voltage AC	230V
Switching voltage DC	24V
Operating voltage (DC)	19,2 - 28,8V
Malfunction message output	Yes
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

Other features

Ambient temperature	-25 - 50°C
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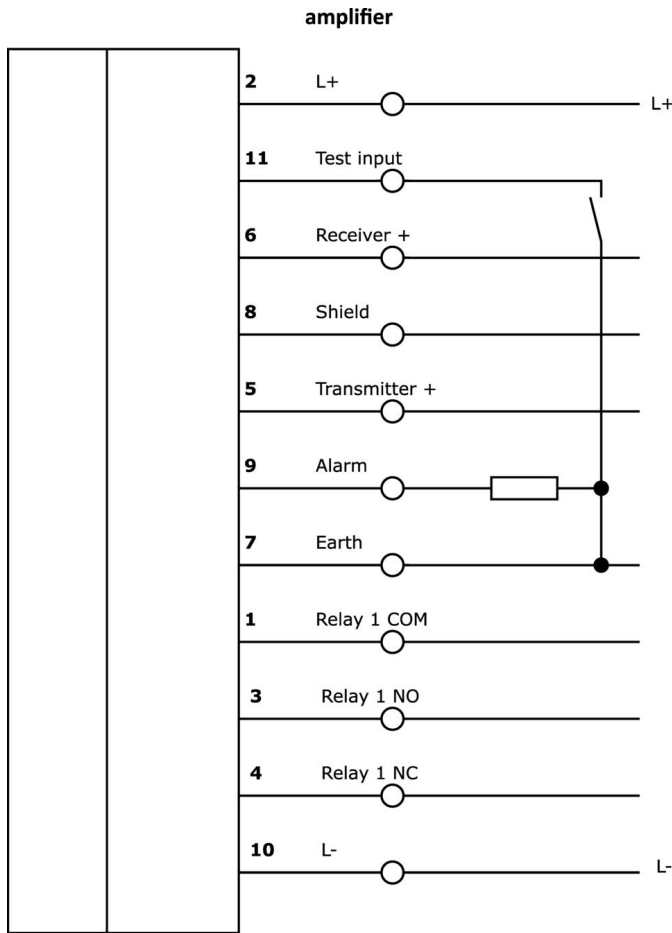
Classification

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	160 g
Customs tariff number	85365019
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.

Dimensional drawing

