

OV580920

High performance light barriers • Amplifier

High-power photoelectric sensor amplifier, 76x78x40mm, 2x multiplex, 24V, NO, plug connection 11-pin, IP40, plastic



The article OV580920 is an amplifier with two channels that belongs to the amplifier subgroup. As part of the upper group of high-performance light barriers, it is designed for demanding applications. Thanks to its multiplex function, it can independently distinguish the operated light barriers from each other, which enables them to be arranged close together. With a range of up to 50000mm, it is particularly powerful and reliable. The robust design and easy mounting make it ideal for applications in various industries such as the wood and paper industry, vehicle washing systems, bulk material control, elevators, outdoor gate control and the food industry. Its high resistance to dirt and penetration allow it to be used in extreme conditions where conventional sensors reach their limits.

Electrical features

Number of presets to be set	2
Number of channels	2
Number of switching outputs	2
Number of normally open contacts	2
Display	LED display
Type of switching function	Normally open contact (NO)
Type of electrical connection	Plug-in connection
Type of switching output	Relay contact
Rated switching current	5000mA
Input voltage tolerance	20%
Setting procedure	Potentiometer
No-load current	83mA
Power consumption	2VA
Number of pins	11
Switching distance	0 - 50000mm
Switching frequency	20Hz
Switching capacity	120VA
Switching voltage	24V
Switching voltage AC	230V
Switching voltage DC	24V
Operating voltage (DC)	19,2 - 28,8V

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)	15
Range (transmitter with increased power, receiver with normal design)	30
Range (transmitter with maximum power, receiver with short design)	25
Range (transmitter with maximum power, receiver with normal design)	50
Range (transmitter with normal power, receiver with short design)	10
Range (transmitter with normal power, receiver with normal design)	20

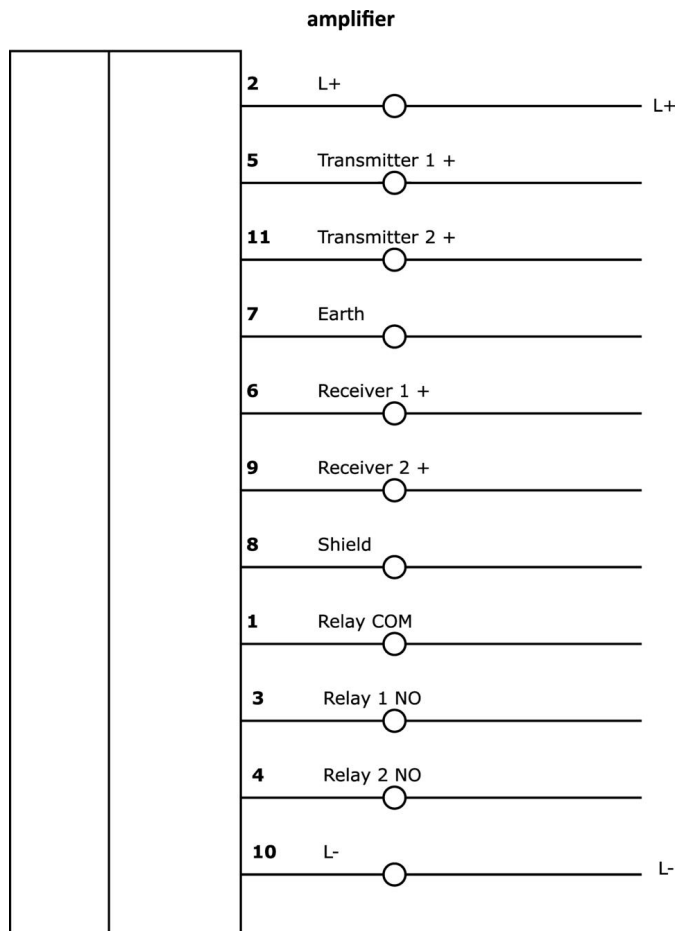
Classification

ETIM 8	EC001485 Isolation amplifier
--------	------------------------------

More

IPF Product Group	101 high performance through-beam sensors and amplifiers
packaging dimensions	120 x 80 x 45 mm
gross weight	180 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

