

OV620880

High performance light barriers • Amplifier

High-power photoelectric sensor amplifier, 58x95x36mm, 24V, NO, terminal, IP20, plastic



The article with the number "OV620880" is a single-channel amplifier for a light barrier from the subgroup "Amplifiers" within the supergroup "High-power light barriers". The amplifier processes the information from the receiver and regulates the power of the transmitter accordingly. Its range is up to 55000mm. High-performance light barrier systems are designed for demanding applications that require extreme dirt resistance and range. They are ideal for sectors such as the wood and paper industry, vehicle washing systems, bulk material control, elevators, outdoor gate control systems, the food industry, etc. The amplifiers and sensors are easy to install and user-friendly to operate.

Electrical features

Number of presets to be set	2
Number of channels	1
Number of switching outputs	1
Number of normally open contacts	1
Type of switching function	Normally open contact (NO)
Type of electrical connection	Clamped terminal connection
Type of switching output	Relay contact
Rated switching current	100 mA
Input voltage tolerance	20 %
Setting procedure	Potentiometer
No-load current	100 mA
Power consumption	2.4 VA
Switching distance	0 - 55000 mm
Switching capacity	6 VA
Switching voltage	60 V
Switching voltage AC	60 V
Switching voltage DC	60 V
Operating voltage (DC)	19,2 - 28,8 V

Mechanical features

Design	Cuboid
Width	35.8 mm
Height	58 mm
Length	90 mm
Mounting method	Top hat rail
Degree of protection (IP)	IP20
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)	55
Range (transmitter with normal power, receiver with short design)	7
Range (transmitter with normal power, receiver with normal design)	15

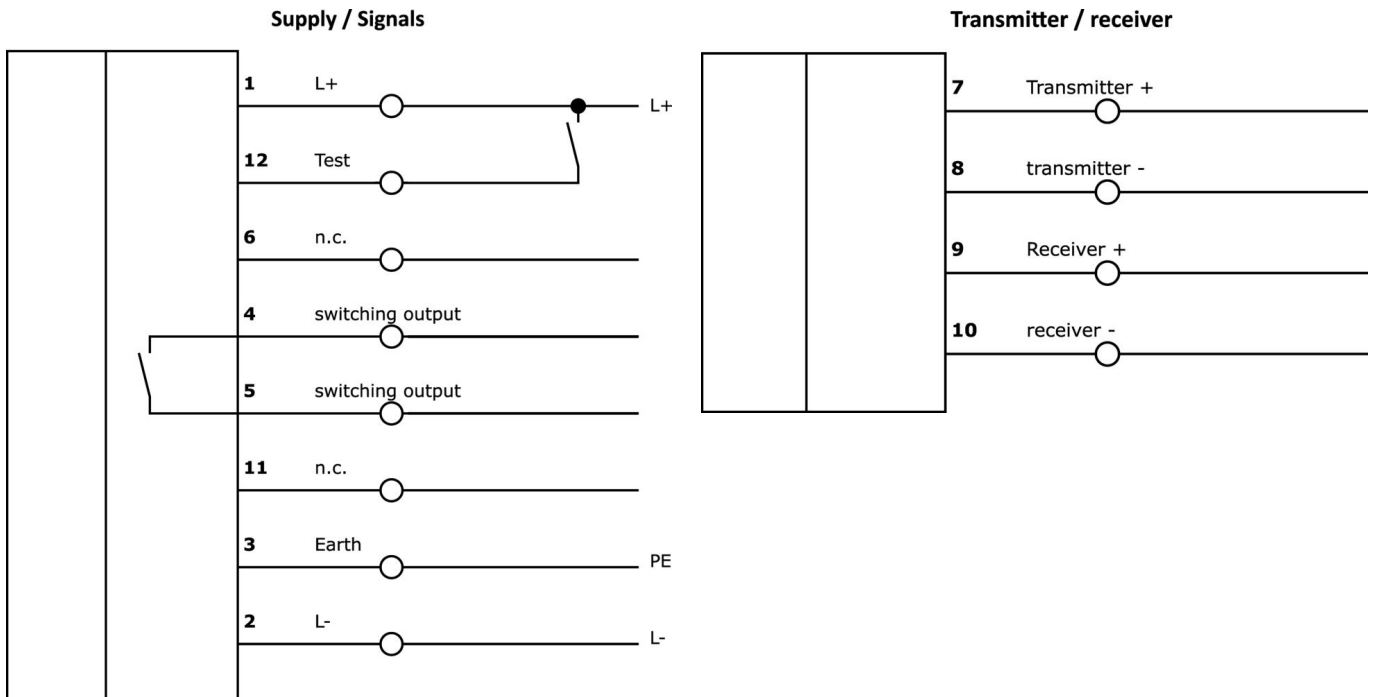
Classification

ETIM 8	EC001485 Isolation amplifier
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More

IPF Product Group	101 high performance through-beam sensors and amplifiers
packaging dimensions	100 x 60 x 64 mm
gross weight	130 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Extract accessories program

AV000108



accessories miscellaneous, Surface mounted housing, 126x175x125mm, -40-120°C, IP66, Plastic PC, Gray, Transparent, With cable entry

AV000109



accessories miscellaneous, Surface mounted housing, 126x125x125mm, -40-120°C, IP66, Plastic PC, Gray, Transparent, With cable entry

OS106001



High-power photoelectric sensor transmitter, Ø10mm 45long, normal power (40mW), 12°, connection to amplifier, cable tail 5m PVC, IP67, plastic+plastic

OS106003



High-power photoelectric sensor transmitter, Ø10mm 45long, normal power (40mW), 12°, connection to amplifier, cable tail 15m PVC, IP67, plastic+plastic

OE106001



High-power photoelectric sensor receiver, Ø10mm 45long, standard design, connection to amplifier, cable tail 2-pin 5m PVC, IP67, plastic+plastic

OE106003



High-performance photoelectric sensor receiver, Ø10mm 45long, standard design, connection to amplifier, 2-pin cable tail 15m PVC, IP67, plastic+plastic

You can find further accessories on our homepage



Installation

Mounting / installation may only be carried out by a qualified electrician!



Disposal

WEEE number according to § 6 para. 3 ElektroG: 40951076

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.