

OV580940

High performance light barriers • Amplifier

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



The article OV580940 is an amplifier with two channels that belongs to the subgroup "Amplifiers". As part of the "high performance light barriers" subgroup, this amplifier is designed for extreme performance and reliability. With its ability to distinguish between operating light barriers in close proximity, it allows for flexible installation. The amplifier can reach ranges of up to 40000mm, making it ideal for demanding applications. Its robustness and insensitivity to dirt make it particularly suitable for industrial environments such as the wood and paper industry, vehicle washing systems, bulk material control and more. The simple installation and handling underline the high user-friendliness of this product.

Electrical features

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|----------------------------------|----------------------------|
| Number of presets to be set | 4 |
| 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% |
| No-load current | 83mA |
| Power consumption | 2VA |
| Number of pins | 11 |
| Switching distance | 0 - 40000mm |
| Switching capacity | 120VA |
| Switching voltage | 24V |
| Switching voltage AC | 230V |
| Switching voltage DC | 24V |
| Operating voltage (DC) | 19,2 - 28,8V |
| 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

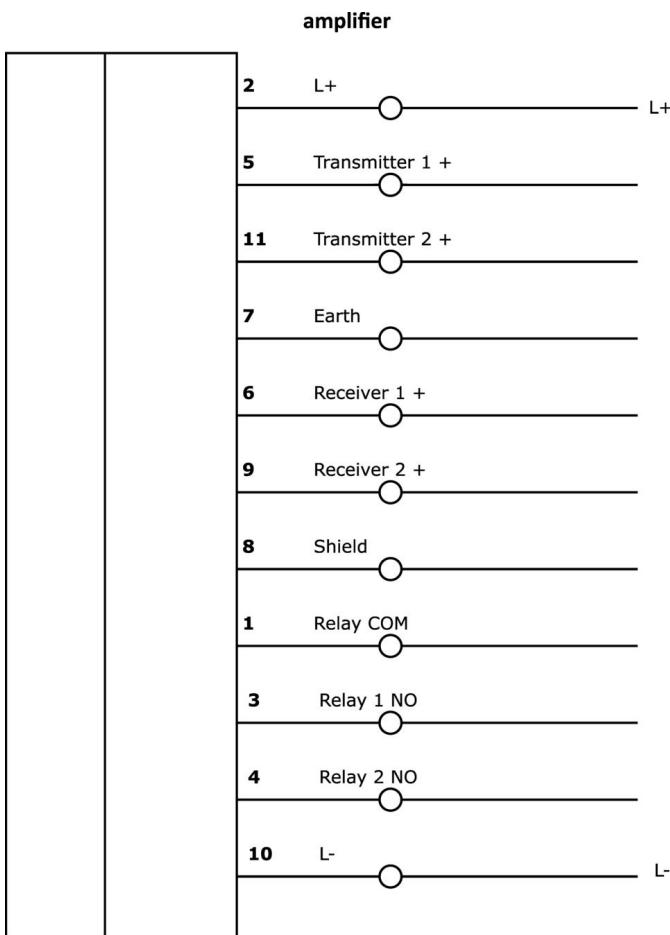
| | |
|---|----|
| Range (transmitter with increased power, receiver with short design) | 9 |
| Range (transmitter with increased power, receiver with normal design) | 20 |
| Range (transmitter with maximum power, receiver with short design) | 15 |
| Range (transmitter with maximum power, receiver with normal design) | 40 |
| Range (transmitter with normal power, receiver with short design) | 7 |
| Range (transmitter with normal power, receiver with normal design) | 13 |

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 | 186 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

