

OV620800

High performance light barriers • Amplifier

High-performance photoelectric sensor amplifier, 58x95x36mm, 24V, NO, terminal, IP20, plastic, fault signal output



The article OV620800 is a single-channel amplifier for a light barrier from the subgroup "Amplifiers". This amplifier, part of the "High-performance light barriers" subgroup, has been specially developed for extreme applications. With a range of up to 55000mm, it offers enormous penetration even in heavily soiled areas. Due to its extreme dirt resistance and range, it is particularly suitable for demanding applications in various industries such as the wood and paper industry, vehicle washing systems, elevators, outdoor gate control systems and the food industry. The simple installation and handling make it extremely user-friendly.

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 alarm output	PNP
Type of electrical connection	Clamped terminal connection
Type of switching output	Relay contact
Rated switching current	100mA
Input voltage tolerance	20%
Setting procedure	Potentiometer
No-load current	100mA
Power consumption	2.4VA
Switching distance	0 - 55000mm
Switching function of the alarm output	Normally open contact (NO)
Switching capacity	6VA
Switching voltage	60V
Switching voltage AC	60V
Switching voltage DC	60V
Operating voltage (DC)	19,2 - 28,8V
Malfunction message output	Yes

Mechanical features

Design	Cuboid
Width	35.8mm
Height	58mm
Length	90mm
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

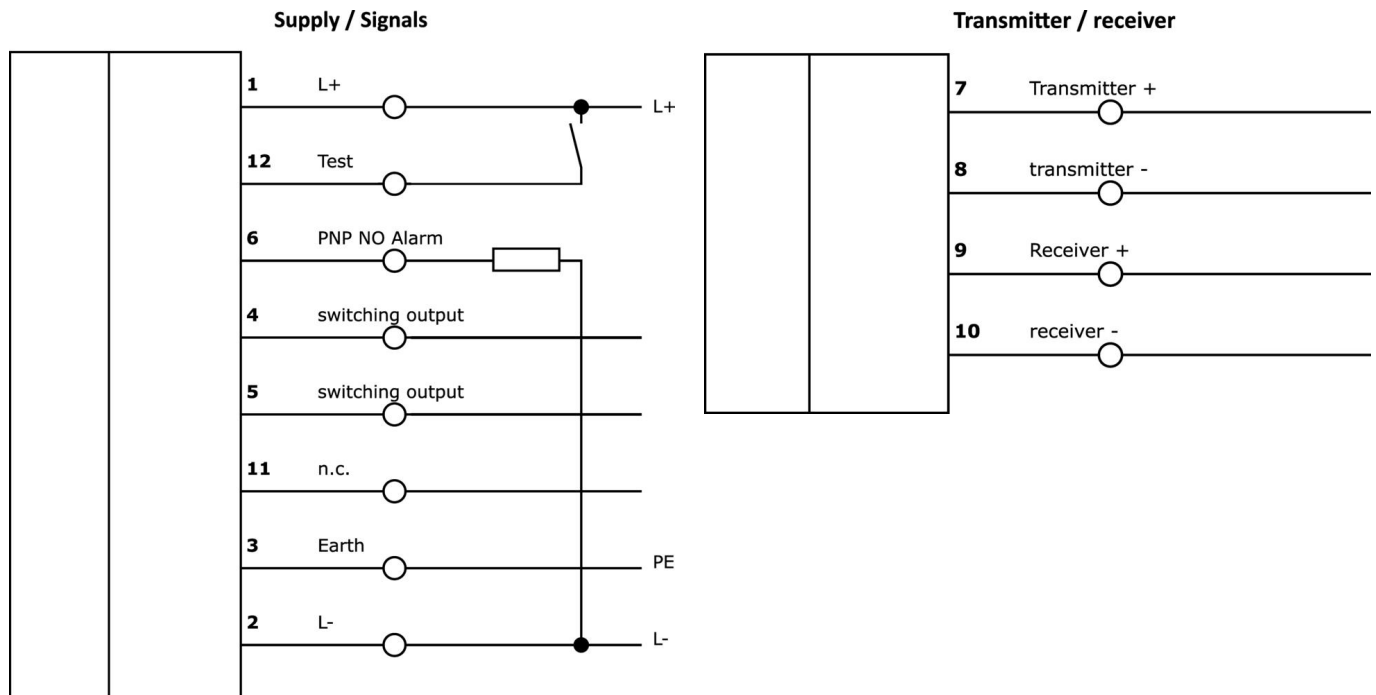
Classification

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 65 mm
gross weight	130 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.