

## OV640840

### High performance light barriers • Amplifier

High-performance photoelectric sensor amplifier, 58x95x106mm, 4x multiplex, 24V, NO, terminal, IP20, plastic, fault signal output



The article OV640840 is an amplifier with four channels, which belongs to the subgroup of amplifiers. This amplifier in turn belongs to the upper group of high-performance light barriers. These light barrier systems are characterized by their extreme insensitivity to dirt and range and are ideal for demanding areas of application.

The OV640840 amplifier can independently distinguish between operated light barriers and enables them to be arranged in close proximity. With a range of up to 60,000 mm, it ensures reliable signal amplification and transmission. Its simple installation and handling make it particularly user-friendly and suitable for various industries such as the wood and paper industry, vehicle washing systems, the food industry and many more.

#### Electrical features

Number of channels	4
Number of switching outputs	4
Number of normally open contacts	4
Display	LED display
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%
Short-circuit protection	Yes
No-load current	270mA
Power consumption	6.5VA
Switching distance	0 - 60000mm
Switching function of the alarm output	Normally open contact (NO)
Switching capacity	6VA
Switching voltage	24V
Switching voltage AC	60V
Switching voltage DC	60V
Operating voltage (DC)	19,2 - 28,8V
Malfunction message output	Yes
With soiling compensation	Yes

**Mechanical features**

Design	Cuboid
Width	106mm
Height	58mm
Length	90mm
Mounting method	Top hat rail
Degree of protection (IP)	IP20
Housing material	Plastic
Ambient temperature	0 - 50°C

**Optical features**

Range (transmitter with increased power, receiver with short design)	12
Range (transmitter with increased power, receiver with normal design)	25
Range (transmitter with maximum power, receiver with short design)	25
Range (transmitter with maximum power, receiver with normal design)	60
Range (transmitter with normal power, receiver with short design)	10
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	220 x 158 x 64 mm
gross weight	310 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**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](http://www.ipf-electronic.com).

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: [www.ipf-electronic.com](http://www.ipf-electronic.com)