

OV650840

High performance light barriers • Amplifier

High-performance photoelectric sensor amplifier, 58x95x160mm, 8x multiplex, 24V, NO, 0-10V, terminal, IP20, plastic, fault signal output



The article OV650840 is an amplifier with eight channels that belongs to the subgroup "Amplifiers". This amplifier is part of the "High-power light barriers" supergroup. It is characterized by its ability to be a multiplex device and to independently distinguish the operated light barriers from each other. This enables the light barriers to be arranged close together. With an impressive range of up to 60000mm, this amplifier is ideal for applications in areas such as the wood and paper industry, vehicle washing systems, bulk material control, elevators, outdoor gate control and the food industry. The simple installation and handling underline the high user-friendliness of this product.

Electrical features

Number of channels	8
Number of switching outputs	8
Number of normally open contacts	8
Type of switching function	Normally open contact (NO)
Type of alarm output	PNP
Type of analog output	0 - 10V
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	350mA
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	159.5mm
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	430 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.

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