

## OV580900

### HIGH PERFORMANCE LIGHT BARRIERS • AMPLIFIERS

high performance light barrier amplifier, 76x78x40mm, PNP/NPN  
Change-over contact (NO/NC), Plug-in connection 11pin, IP40, Plastic



#### MECHANICAL FEATURES

Degree of protection (IP)	IP40
Depth	78.5 mm
Design	Cuboid
Height	76.5 mm
Housing material	Plastic
Length	78.5 mm
Mounting method	Pluggable
Width	40 mm

#### ELECTRICAL FEATURES

Galvanic isolation between input and output	-
Galvanic isolation between inputs	-
Galvanic isolation between supply voltage and all other current circuits	-
High performance light barriers	+
Inherently safe according to EN 60947-5-6 NAMUR	-
Input voltage tolerance	20 %
Malfunction message output	-
Max. switching distance	70 m
Number of channels	1
Number of output circuits, transistor npn	1
Number of output circuits, transistor pnp	1
Number of pins	11
Number of presets to be set	2
Operating voltage	24 V
Output circuit, relay change-over contact	1
Power consumption	2 W
Rated switching current	5 A
Setting procedure	Potentiometer
Suitable for safety functions	-
Switching capacity	1150 VA
Switching frequency	18 Hz
Switching voltage	24 V
Type of electrical connection	Plug-in connection

## ELECTRICAL FEATURES

Type of switching function	Change-over contact (NO/NC)
Type of switching output	PNP/NPN
Type of voltage supply	Active
Voltage type	DC
With LED display	+

## OPTICAL FEATURES

Range (transmitter with increased power, receiver with normal design)	35
Range (transmitter with increased power, receiver with short design)	30
Range (transmitter with maximum power, receiver with normal design)	70
Range (transmitter with maximum power, receiver with short design)	50
Range (transmitter with normal power, receiver with normal design)	25
Range (transmitter with normal power, receiver with short design)	20

## OTHER FEATURES

Operating temperature	-25 °C ... 50 °C
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## Other

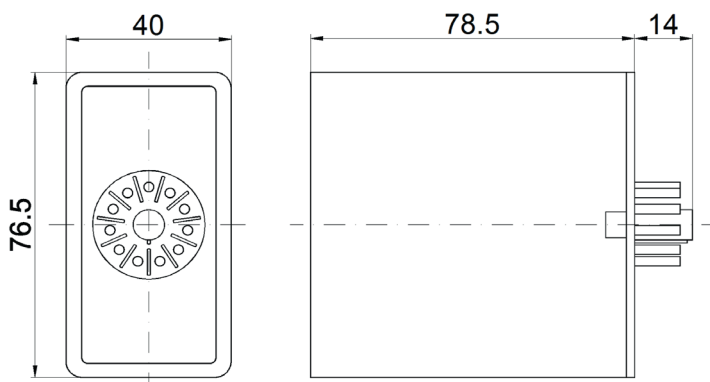
Packaging dimensions	80mm x 45.0mm x 120mm
Shipping weight	0.16kg
Tariff code	85365019

## Classification

ipf product group	101
eClass 8.0	27210121
eClass 9.0	27210121
eClass 9.1	27210121
ETIM-5.0	EC001485
ETIM-6.0	EC001485
ETIM-7.0	EC001485

## Connection

### Dimensional drawing



## 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.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.