

## fiber optic amplifiers 1500

ipf.de 0)2351 / 9365 - 0

dimensions

### 9 x 30 x 64.5mm

plastic fiber optics through-beam sensor up to 14m dif. reflection sensor up to 230mm

- ✓ 4-digit double-display for threshold (green) and current measurand (red)
- teach-in button and remote-teach input for fully automatic teaching
- 3 different teach-in possibilities
- multi-timer function
- copy function for transmitting the settings from device to device
- transmitting LED adjustable in 4 frequency levels
- ✓ easy setting of the manifold functions
- mutual crosstalk suppression for up to 4 amplifiers
- LED indicator for switching output
- connection with 4-pin M8-connector
- ✓ compact design for mounting on top hat rail



### description

Article **OL100370** is an amplifier for fiber optics made of plastic fibers. It does not only offer the usual standard functions, but also a number of useful special functions. In spite of the range of related adjustment options, focus is on simple operability. Setting is intuitive, with the aid of 3 buttons. Teaching takes place at the push of a button or externally via the remote-teach function.

The intensity of the transmitter LED can be reduced at the push of a button. As such, without working in saturated mode, heavily reflective and highly transparent material can be measured without any problems.

The device has an ECO mode for saving energy and a key lock function for preventing unauthorized operation.

The amplifier is best suited for operation with our wide range of fiber optics made of plastic fibers. The mounting hole for the transmitter and receiver line has a diameter of 2.2mm and can be conveniently adapted to a smaller diameter using our reduction sleeves.

The device has very compact dimensions, is only 9mm wide and is simply snapped onto an appropriate standard top hat rail, designed in accordance with DIN EN 60715 TH35 (formerly DIN EN 50022).

In the application of several sensors and an extremely high requirement in terms of accurate sensitivity adjustment, the fiber optic amplifier is especially suited to production processes which have to be changed on a frequent basis.

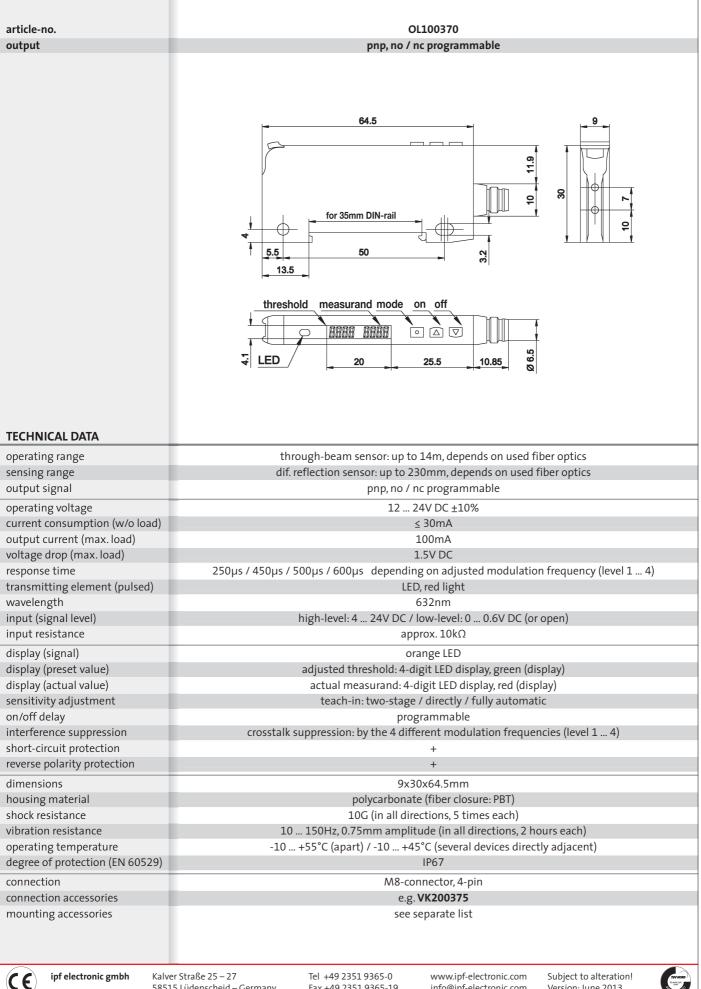
### application examples

- detection of contrast marks and metal pins
- foil width recognition
- recognition of the smallest of components
- object recognition on robot arms and conveyor belts





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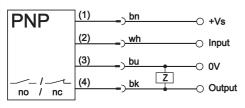






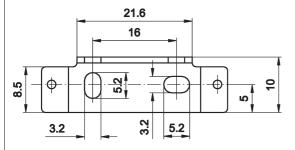
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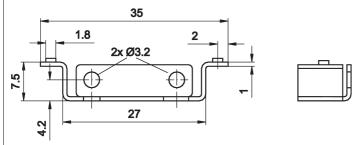
#### connection



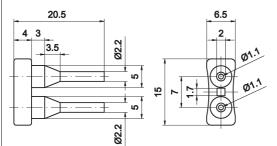
wire colors: bn = brown (1), wh = white (2), bu = blue (3), bk = black (4)

### DIN-rail AL000015

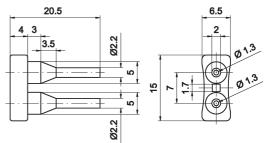




### reduction sleeve AL000016



### reduction sleeve AL000027



### ACCESSORIES

article-no.	description	material
AL000015	DIN-rail / vertical and lateral mounting	chrome-plated steel
AL000016	reduction sleeve 2.2/1.1	plastic
AL000027	reduction sleeve 2.2/1.3	plastic

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This data sheet contains the standard versions only. Kindly request the availability of other output- and connection versions.

We will be pleased to supply the matching cable socket for your devices with connector. Please refer to the list in catalog chapter "accessories" under "cable sockets **ipf**-SENSORFLEX®" or search our website for "VK".

Warning: Never use these devices in applications where the safety of a person depends on their functionality.

This data sheet as well as your personal contact can be found at www.ipf-electronic.com							
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notes

## export division

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