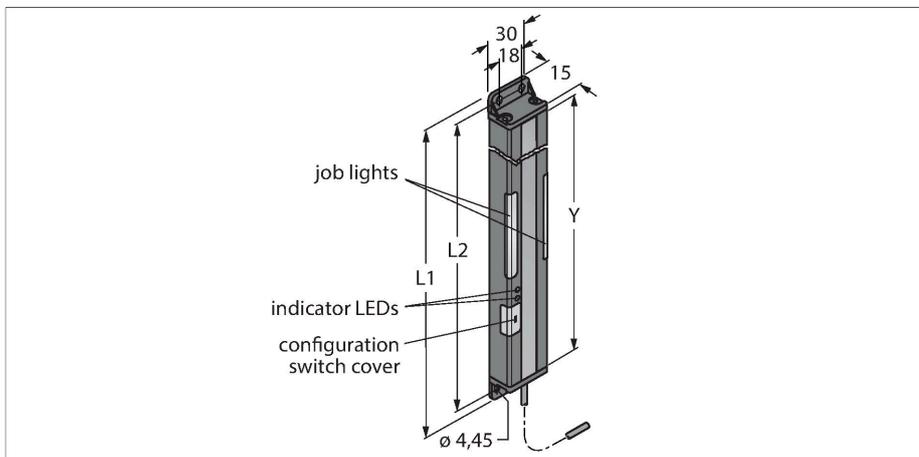


# PVA100N6R

## Pick-to-Light – Placement Sensor

### Light Grid



#### Technical data

Type	PVA100N6R
ID	3051909
<b>Signal and display data</b>	
Purpose	Pick-to-Light
Function	Opposed mode sensor
Max. range	2000 mm
Scan field	100 mm
Number of beams	5
Optical resolution	25 mm
Switch Function	Momentary
Features of color 1	Green, Can be set via DIP switches
<b>Electrical data</b>	
Operating voltage	12...30 VDC
Max. current consumption per color	62 mA
Output function	NO/NC, NPN
Input type	Bipolar (PNP/NPN)
Response time typical	< 20 ms
<b>Mechanical data</b>	
Design	Rectangular, PVA
Dimensions	137.8 x 30 x 15 mm
Housing material	Metal, AL, Black
Window material	Acrylic, clear
Electrical connection	Cable, 2 m, PVC
Number of cores	4
Ambient temperature	0...+50 °C

#### Features

- Scan field Y: 100 mm
- Total height 137.8 mm
- 5-beam system, beam spacing 25 mm
- Receiver
- Range max. 2 m
- Light / Dark operation
- Selectable frequency as protection against crosstalk
- Operating voltage 12...30 VDC
- NPN switching output of the receiver
- Input of operation request light +24 VDC
- Protection class IP62

#### Functional principle

This light screen used for fault detection and assembly sequences, has good visible job lights at the emitter and the receiver, guiding the operator through the picking sequence. Missing parts and incorrect assembly are thus avoided. A control unit issues the work sequence and indicates the next work step after receiving feedback from the light screen. Mispick is immediately detected and indicated by a red flashing light.

## Technical data

Protection class IP62

Tests/approvals

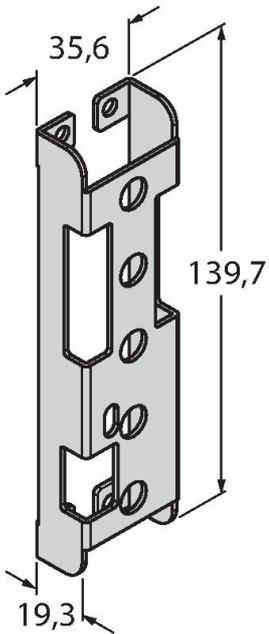
Approvals CE, cURus

## Accessories

SMBPVA5

3056500

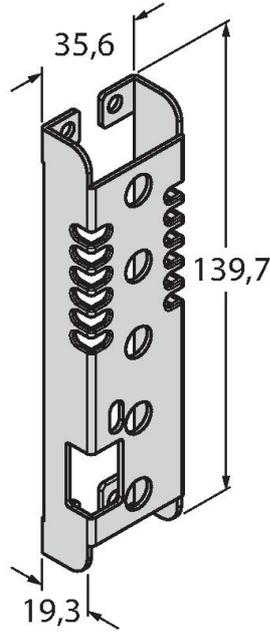
Mounting bracket, for PVA100, cold-rolled steel, cut-out for DIP switch block



SMBPVA5A

3062446

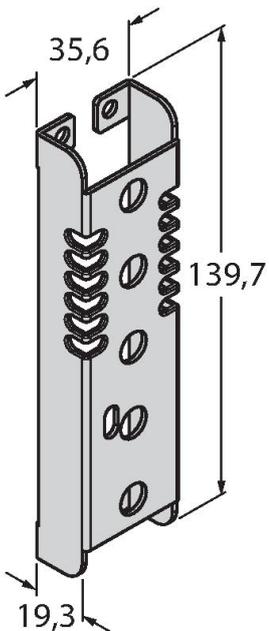
Mounting bracket, for PVA100, cold-rolled steel, cut-out for DIP switch block, protection for light



SMBPVA5AB

3070805

Mounting bracket, for PVA100, cold-rolled steel, no cut-out for DIP switch block, protection for light



SMBPVA1

3056884

Mounting bracket, for PVA and PVD, stainless steel; set consisting of two brackets and screws

