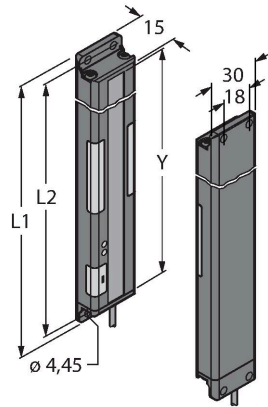


# PVA225N6

## Pick-to-Light – Placement Sensor

### Light Grid Kit



#### Features

- Scan field L2: 225 mm
- 10-beam system, beam spacing 25 mm
- Emitter / 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 0 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. Misspick is immediately detected and indicated by a red flashing light.

#### Technical data

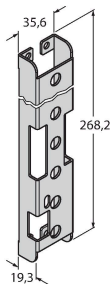
|                                    |                                    |
|------------------------------------|------------------------------------|
| Type                               | PVA225N6                           |
| ID                                 | 3052906                            |
| Signal and display data            |                                    |
| Purpose                            | Pick-to-Light                      |
| Function                           | Opposed mode sensor                |
| Max. range                         | 2000 mm                            |
| Light type                         | IR                                 |
| Scan field                         | 225 mm                             |
| Number of beams                    | 10                                 |
| Optical resolution                 | 25 mm                              |
| Switch Function                    | Momentary                          |
| Features of color 1                | Green, Can be set via DIP switches |
| Electrical data                    |                                    |
| Operating voltage $U_B$            | 12...30 VDC                        |
| Max. current consumption per color | 62 mA                              |
| Output function                    | NO/NC, NPN                         |
| Input type                         | Bipolar (PNP/NPN)                  |
| Response time typical              | < 40 ms                            |
| Mechanical data                    |                                    |
| Design                             | Rectangular, PVA                   |
| Dimensions                         | 266.4 x 30 x 15 mm                 |
| Housing material                   | Metal, AL, Black                   |
| Window material                    | Acrylic, clear                     |
| Electrical connection              | Cable, 2 m, PVC                    |
| Number of cores                    | 4                                  |

Technical data

|                     |            |
|---------------------|------------|
| Ambient temperature | 0...+50 °C |
| Protection class    | IP62       |
| Tests/approvals     |            |
| Approvals           | CE, cURus  |

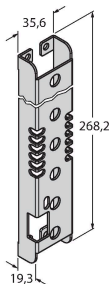
Accessories

SMBPVA10 3056809



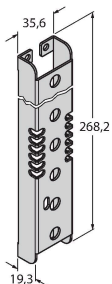
Mounting bracket, for PVA225, cold-rolled steel, cut-out for DIP switch block

SMBPVA10A 3062447



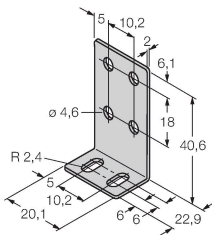
Mounting bracket, for PVA225, cold-rolled steel, cut-out for DIP switch block, protection for light

SMBPVA10AB 3070806



Mounting bracket, for PVA225, 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