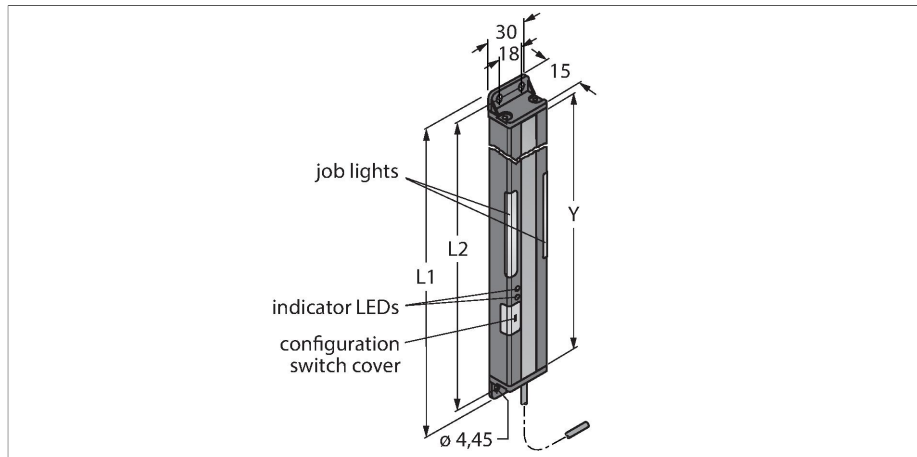


PVA300N6E

Pick-to-Light – Placement Sensor

Light Grid



Features

- Scan field Y: 300 mm
- Total height 341.4 mm
- 13-beam system, beam spacing 25 mm
- Emitter
- Range max. 2 m
- Light / Dark operation
- Selectable frequency as protection against crosstalk
- Operating voltage 12...30 VDC
- Input of operation request light +24 VDC
- Protection class IP62

Wiring diagram



Technical data

Type	PVA300N6E
ID	3051927
Signal and display data	
Purpose	Pick-to-Light
Function	Opposed mode sensor
Max. range	2000 mm
Light type	IR
Scan field	300 mm
Number of beams	13
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
Input type	Bipolar (PNP/NPN)22
Response time typical	< 52 ms
Mechanical data	
Design	Rectangular, PVA
Dimensions	341.4 x 30 x 15 mm
Housing material	Metal, AL, Black
Window material	Acrylic, clear
Electrical connection	Cable, 2 m, PVC
Number of cores	4
Ambient temperature	0...+50 °C

Functional principle

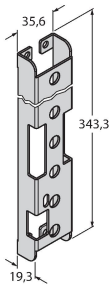
This light screen used for fault detection and assembly sequences, has good visible job lights at the emitter and the receiver, guiding the operator through the picking sequence. Missing parts and incorrect assembly are thus avoided. A control unit issues the work sequence and indicates the next work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

Technical data

Protection class	IP62
Tests/approvals	
Approvals	CE, cURus

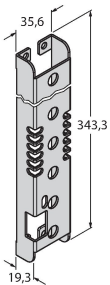
Accessories

SMBPVA13	3056810
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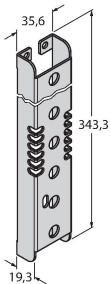
Mounting bracket, for PVA300, cold-rolled steel, cut-out for DIP switch block

SMBPVA13A	3062448
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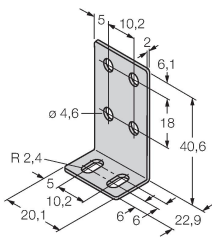
Mounting bracket, for PVA300, cold-rolled steel, cut-out for DIP switch block, protection for light

SMBPVA13AB	3070807
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Mounting bracket, for PVA300, cold-rolled steel, no cut-out for DIP switch block, protection for light

SMBPVA1	3056884
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Mounting bracket, for PVA and PVD, stainless steel; set consisting of two brackets and screws