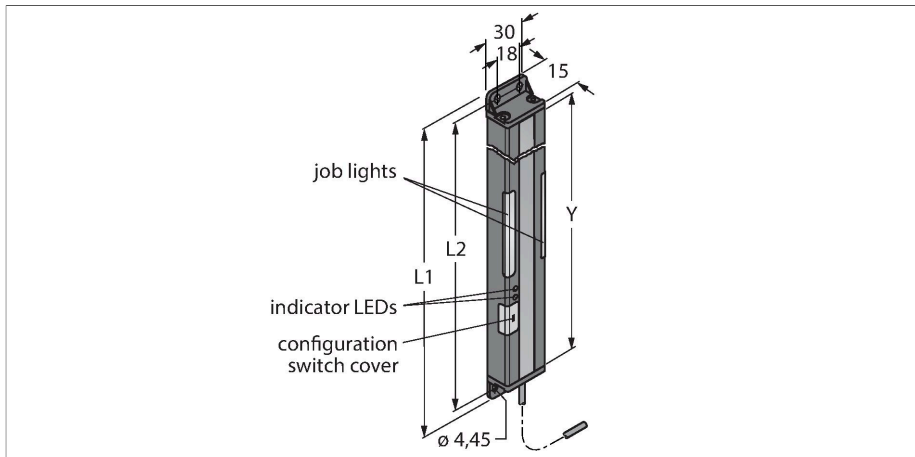


PVA100N6R

Pick-to-Light – Placement Sensor

Light Grid



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. Misspick is immediately detected and indicated by a red flashing light.

Technical data

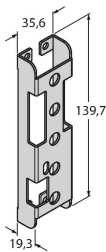
Type	PVA100N6R
ID	3051909
Signal and display data	
Purpose	Pick-to-Light
Function	Opposed mode sensor
Max. range	2000 mm
Scan field	100 mm
Number of beams	5
Optical resolution	25 mm
Switch Function	Momentary
Features of color 1	Green, Can be set via DIP switches
Electrical data	
Operating voltage U_B	12...30 VDC
Max. current consumption per color	62 mA
Output function	NO/NC, NPN
Input type	Bipolar (PNP/NPN)
Response time typical	< 20 ms
Mechanical data	
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

Technical data

Protection class	IP62
Tests/approvals	
Approvals	CE, cURus

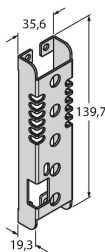
Accessories

SMBPVA5	3056500
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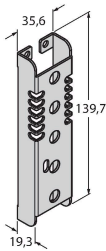
Mounting bracket, for PVA100, cold-rolled steel, cut-out for DIP switch block

SMBPVA5A	3062446
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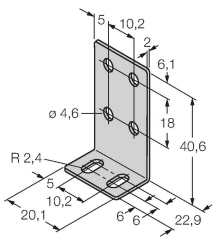
Mounting bracket, for PVA100, cold-rolled steel, cut-out for DIP switch block, protection for light

SMBPVA5AB	3070805
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Mounting bracket, for PVA100, 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