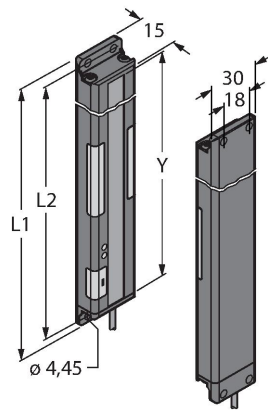


PVA300P6

Pick-to-Light – Placement Sensor

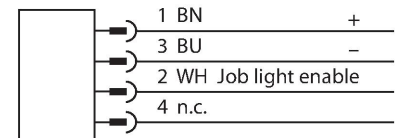
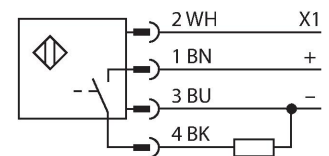
Light Grid Kit



Features

- Scan field L2: 300 mm
- 13-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
- PNP switching output of the receiver
- Input of operation request light +24 VDC
- Protection class IP62

Wiring diagram



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

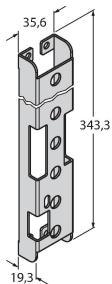
Type	PVA300P6
ID	3052909
Signal and display data	
Purpose	Pick-to-Light
Function	Opposed mode sensor
Max. range	2000 mm
Light type	IR
Scan field	300 mm
Number of beams	13
Optical resolution	25 mm
Switch Function	Momentary
Features of color 1	Green, Can be set via DIP switches
Electrical data	
Operating voltage U_B	12...30 VDC
Max. current consumption per color	62 mA
Output function	NO/NC, PNP
Input type	Bipolar (PNP/NPN)
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

Technical data

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

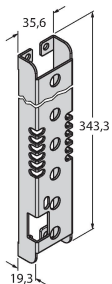
Accessories

SMBPVA13 3056810



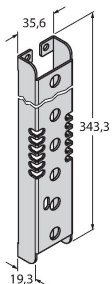
Mounting bracket, for PVA300, cold-rolled steel, cut-out for DIP switch block

SMBPVA13A 3062448



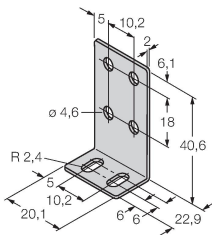
Mounting bracket, for PVA300, cold-rolled steel, cut-out for DIP switch block, protection for light

SMBPVA13AB 3070807



Mounting bracket, for PVA300, 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