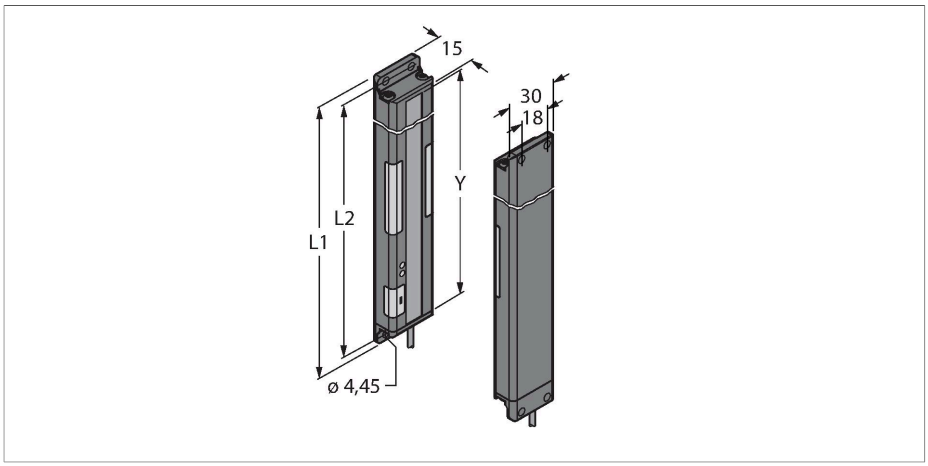
PVA375N6
Pick-to-Light – Placement Sensor Light Grid Kit



Technical data

Type	PVA375N6
ID	3052914
Signal and display data	
Purpose	Pick-to-Light
Function	Opposed mode sensor
Max. range	2000 mm
Light type	IR
Scan field	375 mm
Number of beams	16
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	< 64 ms
Mechanical data	
Design	Rectangular, PVA
Dimensions	416.6 x 30 x 15 mm
Housing material	Metal, AL, Black
Window material	Acrylic, clear
Electrical connection	Cable, 2 m, PVC
Number of cores	4

Features

- Scan field L2: 375 mm
- 16-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

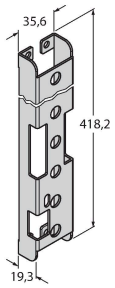
Functional principle

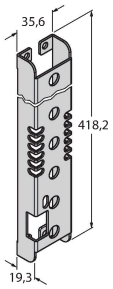
This light screen used for fault detection and assembly sequences, has good visible job lights at the emitter and the receiver, guiding the operator through the picking sequence. Missing parts and incorrect assembly are thus avoided. A control unit issues the work sequence and indicates the next work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

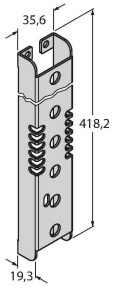
Technical data

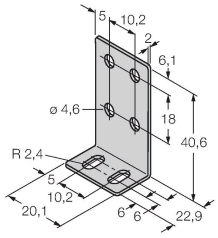
Ambient temperature	0…+50 °C
Protection class	IP62
Tests/approvals	
Approvals	CE, cURus

Accessories

SMBPVA16	3056811
	Mounting bracket, for PVA375, cold-rolled steel, cut-out for DIP switch block

SMBPVA16A	3062449
	Montagehalterung, für PVA375, kaltgewalzter Stahl, Aussparung für DIP-Schalter-Bank, Schutz für Leuchtanzeige

SMBPVA16AB	3070808
	Mounting bracket, for PVA375, 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