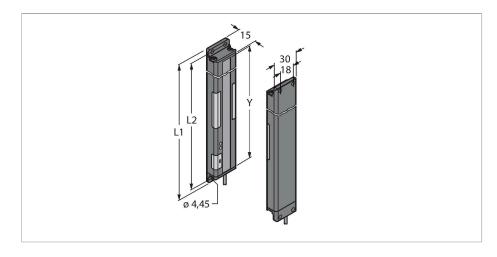


PVA375N6 Pick-to-Light – Placement Sensor Light Grid Kit



Technical data

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 1230 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 Cookle 2 m PVC	Туре	PVA375N6
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 1230 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	ID	3052914
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Number of beams Optical resolution Switch Function Features of color 1 Green, Can be set via DIP switches Electrical data Operating voltage U _B 1230 VDC Max. current consumption per color Output function Input type Bipolar (PNP/NPN) Response time typical Mechanical data Design Rectangular, PVA Dimensions 416.6 x 30 x 15 mm Housing material Metal, AL, Black Window material Acrylic, clear	Light type	IR
Optical resolution 25 mm Switch Function Momentary Features of color 1 Green, Can be set via DIP switches Electrical data 1230 VDC Max. current consumption per color 62 mA Output function NO/NC, NPN Input type Bipolar (PNP/NPN) Response time typical < 64 ms	Scan field	375 mm
Switch Function Features of color 1 Green, Can be set via DIP switches Electrical data Operating voltage U _B 1230 VDC Max. current consumption per color Output function NO/NC, NPN Input type Bipolar (PNP/NPN) Response time typical Vectangular, PVA Dimensions Housing material Metal, AL, Black Window material Momentary Green, Can be set via DIP switches Bipolar via DIP switches 1230 VDC Acrylic, clear	Number of beams	16
Features of color 1 Green, Can be set via DIP switches Electrical data Operating voltage U _B 1230 VDC Max. current consumption per color 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	Optical resolution	25 mm
Electrical data Operating voltage U _B 1230 VDC Max. current consumption per color Output function NO/NC, NPN Input type Bipolar (PNP/NPN) Response time typical Vectangular, PVA Dimensions Housing material Metal, AL, Black Window material	Switch Function	Momentary
Operating voltage U _B 1230 VDC Max. current consumption per color Output function NO/NC, NPN Input type Bipolar (PNP/NPN) Response time typical 464 ms Mechanical data Design Rectangular, PVA Dimensions 416.6 x 30 x 15 mm Housing material Metal, AL, Black Window material Acrylic, clear	Features of color 1	Green, Can be set via DIP switches
Max. current consumption per color 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 data	
Output function Input type Bipolar (PNP/NPN) Response time typical Mechanical data Design Rectangular, PVA Dimensions 416.6 x 30 x 15 mm Housing material Metal, AL, Black Window material NO/NC, NPN Bipolar (PNP/NPN) < 64 ms 44 ms Mechanical data Design Rectangular, PVA At Metal, AL, Black Window material Acrylic, clear	Operating voltage U _B	1230 VDC
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	Max. current consumption per color	62 mA
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	Output function	NO/NC, NPN
Mechanical data Design Rectangular, PVA Dimensions 416.6 x 30 x 15 mm Housing material Metal, AL, Black Window material Acrylic, clear	Input type	Bipolar (PNP/NPN)
DesignRectangular, PVADimensions416.6 x 30 x 15 mmHousing materialMetal, AL, BlackWindow materialAcrylic, clear	Response time typical	< 64 ms
Dimensions 416.6 x 30 x 15 mm Housing material Metal, AL, Black Window material Acrylic, clear	Mechanical data	
Housing material Metal, AL, Black Window material Acrylic, clear	Design	Rectangular, PVA
Window material Acrylic, clear	Dimensions	416.6 x 30 x 15 mm
	Housing material	Metal, AL, Black
Electrical connection Coble 2 m DVC	Window material	Acrylic, clear
Electrical connection Cable, 2 III, FVC	Electrical connection	Cable, 2 m, PVC
Number of cores 4	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

SMBPVA16AB 3070808 Mounting bracket, for PVA375, cold-rolled steel, no cut-out for DIP switch block , protection for light

