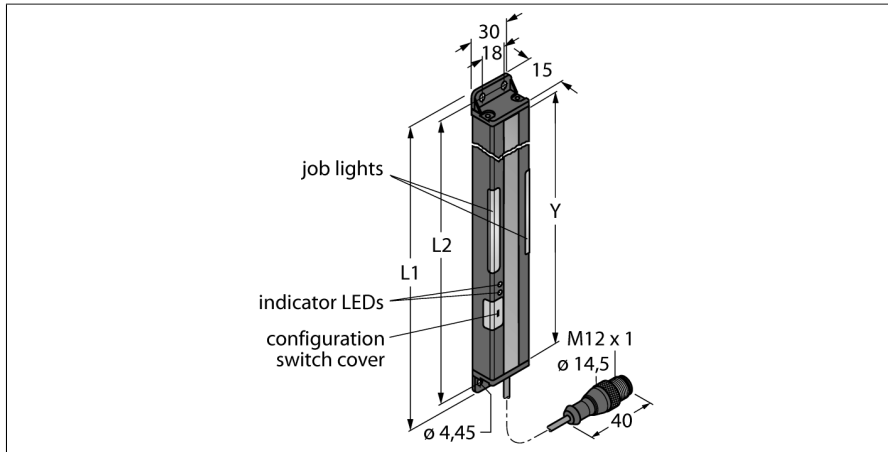


Pick-to-Light Placement Sensor Light Grid PVA225N6RQ



- Scan field Y: 225 mm
- Total height 266.4 mm
- 10-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

Type	PVA225N6RQ
ID	3051922

Signal and display data	
Purpose	Pick-to-Light
Function	Opposed mode sensor
Max. range	2000 mm
Scan field	225 mm
Number of beams	10
Optical resolution	25 mm
Switch Function	Momentary
Features of color 1	Green, Can be set via DIP switches

Electrical data	
Operating voltage U_s	12...30 VDC
Max. current consumption per color	62 mA
Output function	NO/NC, NPN
Input type	Bipolar (PNP/NPN)22
Response time typical	< 40 ms

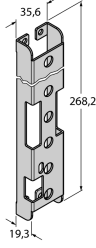
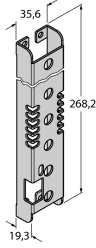
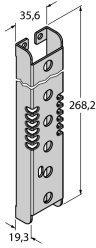
Mechanical data	
Design	Rectangular, PVA
Housing material	Metal, AL, Black
Window material	Acrylic, clear
Electrical connection	Cable with connector, M12 x 1, 2 m, PVC
Number of cores	4
Ambient temperature	0...+50 °C
Protection class	IP62

Tests/approvals	
Approvals	CE, cURus

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.

Accessories

Type code	Ident no.		Dimension drawing
SMBPVA10	3056809	Mounting bracket, for PVA225, cold-rolled steel, cut-out for DIP switch block	
SMBPVA10A	3062447	Mounting bracket, for PVA225, cold-rolled steel, cut-out for DIP switch block, protection for light	
SMBPVA10AB	3070806	Mounting bracket, for PVA225, 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	