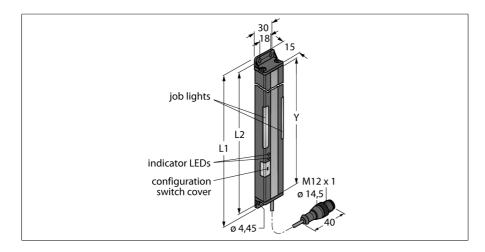


Pick-to-Light **Placement Sensor** Light Grid PVA225N6EQ



Time	DV/A COCKNOS CO
Туре	PVA225N6EQ
ID	3051930
Cinnal and display data	
Signal and display data	B
Purpose	Pick-to-Light
Function	Opposed mode sensor
Max. range	2000 mm
Light type	IR
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 _B	1230 VDC
Max. current consumption per color	62 mA
Input type	Bipolar (PNP/NPN)
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 × 1, 2 m, PVC
Number of cores	4
Ambient temperature	0+50 °C
Protection class	IP62
Total constant	
Tests/approvals	05 110
Approvals	CE, cURus

- Scan field Y: 225 mm
- Total height 266.4 mm
- 10-beam system, beam spacing 25 mm
- Emitter
- Range max. 2 m
- Light / Dark operation
- Selectable frequency as protection against crosstalk
- Operating voltage 12...30 VDC
- 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.



Accessories

Type code	Ident no.		Dimension drawing
SMBPVA10	3056809	Mounting bracket, for PVA225, cold-rolled steel, cut-out for DIP switch block	35.6 268.2 19.3
SMBPVA10A	3062447	Mounting bracket, for PVA225, cold-rolled steel, cut-out for DIP switch block, protection for light	35.6 Sept. 268.2 Sept. 268.2
SMBPVA10AB	3070806	Mounting bracket, for PVA225, cold-rolled steel, no cut-out fo DIP switch block, protection for light	35.6 35.6 35.6 35.6 35.6 36.2 36.2 36.2 37.2 38.2 39.2
SMBPVA1	3056884	Mounting bracket, for PVA and PVD, stainless steel; set consisting of two brackets and screws	6 6 10.2 6 6 1 18 40.6 10.2 6 6 22.9