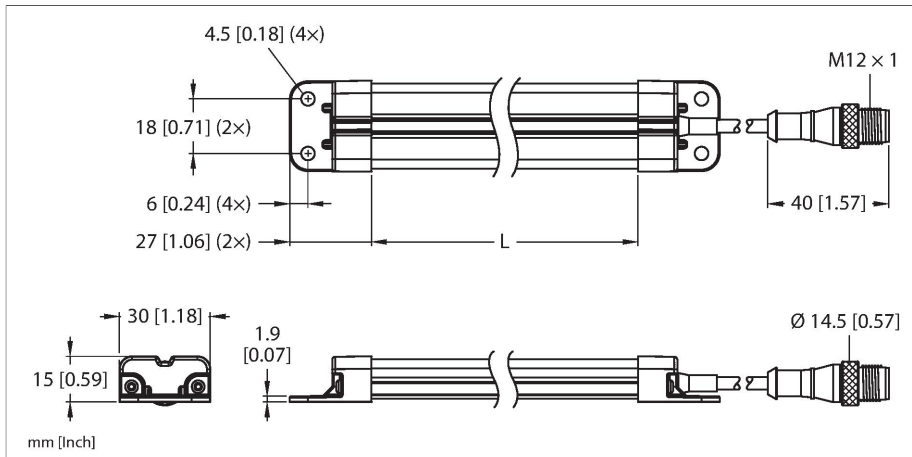


PVS28D100QP

Pick-to-Light – Placement Sensor

Light Grid



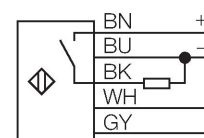
Technical data

Type	PVS28D100QP
ID	3814557
Signal and display data	
Purpose	Pick-to-Light
Function	Light screen
Max. range	1000 mm
Light type	IR
Scan field	100 mm
Electrical data	
Operating voltage U_B	12...30 VDC
DC rated operating current I_o	≤ 35 mA
Output function	NO/NC, PNP/NPN
Mechanical data	
Design	Rectangular, PVS28
Dimensions	15 x 28 x 142 mm
Housing material	Plastic, PC ABS
Electrical connection	Cable with connector, M12 x 1
Ambient temperature	-20...+50 °C
Protection class	IP54
Tests/approvals	
Approvals	CE, UKCA, cULus

Features

- 2-beam system, beam spacing 50 mm
- Scan field height "L" = 111 mm
- Range max. 1 m with reflector and max. 500 mm in diffuse mode
- Protection class IP54
- 150-mm cable with 5-pin connector, M12 x 1
- RGB LEDs
- Work lamp: green (standard, adjustable)
- Misspick indicator: red (standard, adjustable)
- Operating voltage 12...30 VDC
- Settings for PNP/NPN switching output, NO/NC output and colors/animations via ProEditor and RemoteTeach
- SMBPVA1 mounting bracket kit included in delivery
- No reflector tape included

Wiring diagram



Functional principle

The PVS sensor is a user-friendly one-piece light screen used for assembly, component picking and fault detection tasks. The compact emitter/receiver design of the PVS sensor operates in diffuse or retro-reflective mode. The ProEditor or Remote Teach software can be used to configure the switching output, the operating mode, the displayed colors and the animations.