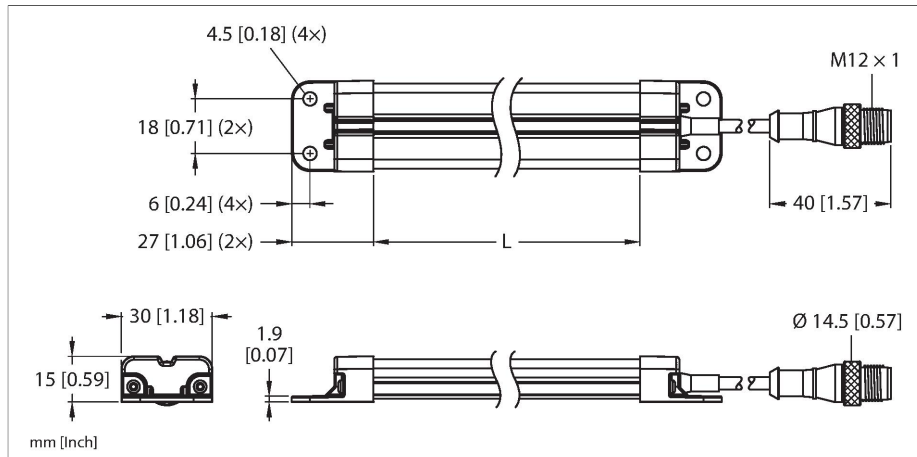


# PVS28D225QP

## Pick-to-Light – Placement Sensor

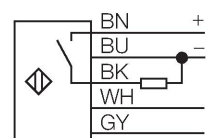
### Light Grid



## Features

- 4-beam system, beam spacing 60 mm
- Scan field height "L" = 225 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.

## Technical data

|                                  |                               |
|----------------------------------|-------------------------------|
| Type                             | PVS28D225QP                   |
| ID                               | 3814558                       |
| Signal and display data          |                               |
| Purpose                          | Pick-to-Light                 |
| Function                         | Light screen                  |
| Max. range                       | 1000 mm                       |
| Light type                       | IR                            |
| Scan field                       | 225 mm                        |
| Electrical data                  |                               |
| Operating voltage $U_B$          | 12...30 VDC                   |
| DC rated operating current $I_o$ | ≤ 55 mA                       |
| Output function                  | NO/NC, PNP/NPN                |
| Mechanical data                  |                               |
| Design                           | Rectangular, PVS28            |
| Dimensions                       | 15 x 28 x 270.6 mm            |
| Housing material                 | Plastic, PC<br>ABS            |
| Electrical connection            | Cable with connector, M12 x 1 |
| Ambient temperature              | -20...+50 °C                  |
| Protection class                 | IP54                          |
| Tests/approvals                  |                               |
| Approvals                        | CE, UKCA, cULus               |