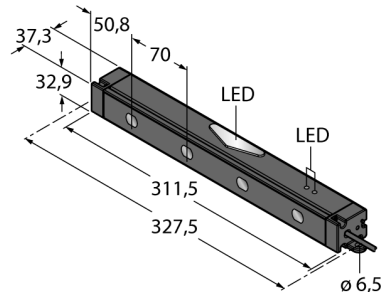


photoelectric sensor
Pick to Light receiver
PVL225P

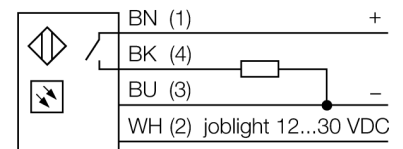
TURCK

Industrial
Automation



- Scan field: 225 mm
- 4-beam system
- Max. distance to reflector 1.5 m
- Operating voltage: 12...30 VDC
- Protection class: IP50
- Cable, 2 m
- PNP switching output

Wiring diagram



Functional principle

The PVL sensor is a user-friendly one-piece light screen used for assembly, component picking and fault detection tasks. The PVL incorporates emitter and receiver. Together with the reflector, which is included in the delivery, the sensor operates in retroreflective mode. The operating modes need not be configured. The reflector is mounted opposite to the sensor. The automatic set-up routine makes manual adjustments redundant. The job light is triggered externally and is steady green during the assigned signal period. The integrated sensor reports "pick-up" back. Mispick is indicated by the job light flashing red.

Type	PVL225P
Ident-No.	3026207
Design	rectangular
Dimensions	327.5x 31x 37.3 mm
Housing material	Aluminium, AL
Connection	cable, 4-wire
Cable length	2 m
Cable Jacket Material	PVC
Protection class	IP65
Ambient temperature	-40...+70 °C
Operating voltage	12...30VDC
DC rated operational current	≤ 140 mA
Response time	< 2 ms
Light type	red