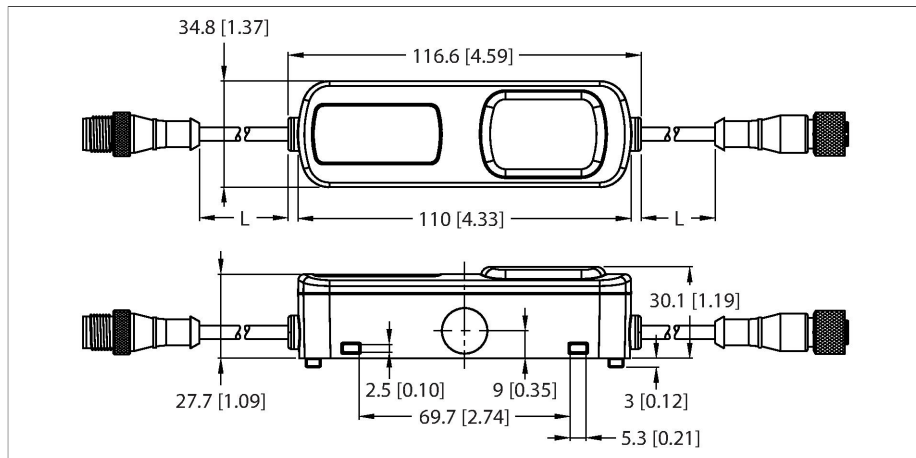


PTL110S-FF100LD3-QPS150

Pick-to-Light – Placement Sensor



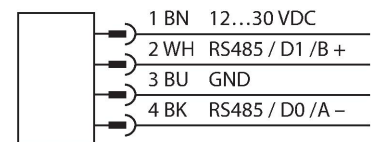
Technical data

Type	PTL110S-FF100LD3-QPS150
ID	3807523
Purpose	Pick-to-Light
Function	Diffuse mode sensor with fixed-field background suppression
Max. range	100 mm
Light type	IR
Number of beams	1
Features of color 1	RGB
Special features	I/O module-compatible
Operating voltage	10...30 VDC
DC rated operational current	≤ 155 mA
Max. current consumption per color	155 mA
Input power	1.65 W
Communication protocol	Modbus RTU
Mechanical data	
Cascadable	Yes
Design	Rectangular
Dimensions	110 x 35 x 33.1 mm
Housing material	Plastic, ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Cable with connector, M12 × 1, 0.15 m, PVC
Number of cores	4
Ambient temperature	-40...+50 °C
Relative humidity	0...90 %
Protection class	IP54

Features

- Protection class IP54
- Shielded cable with M12 × 1 male connector, 4-pin, 150 mm
- Operating voltage 10...30 VDC
- RGB-LED display with up to 14 different light colors
- 3-digit, 7-segment display

Wiring diagram



Functional principle

PTL110 pick-to-light devices are equipped with a multi-functional display and optional capacitive touch button, optical sensor and 3-digit 7-segment display and can be connected to create a powerful picking system. The PTL110 systems feature quick response times and flexible installation options to improve the speed, productivity and quality of picking and component placement applications. PTL110 pick-to-light devices are powered by PICK-IQ™, a purpose-built serial bus protocol that is compatible with Modbus and uses a common ID to reduce the typical latency that results from polling multiple devices.

Technical data

Tests/approvals