

# 45BPD8LTB2D5

AB 45B Photoelectric Sensor Diffuse 18-30VDC Laser Range  
300mm Light/Dark PNP 4-20mA DC Micro 5



Component type	Diffuse reflective photoelectric sensor
Range	Photoelectric Sensors
Model	N/A
Product status	Existing

The Allen-Bradley Photoelectric sensors use a beam of light to detect the presence or absence of an object. An alternative to inductive proximity sensors for long sensing distances or when the item is non-metal. Can be utilised in a variety of applications, such as material handling, packaging, food processing and transportation. Customisable to suit non-standard connectors or cables.

ELECTRICAL	Voltage type	DC
	Rated control supply voltage $U_s$ at DC	18-30 V
	Type of electric connection	Connector M12
CONSTRUCTION	Suitable for safety functions	No
PHOTOMETRIC	Wavelength of the sensor	650 nm
	Laser protection class	Class 1
	Width sensor	17 mm
DIMENSIONS	Height of sensor	50 mm
	Length of sensor	50 mm

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Technical drawing of the Allen-Bradley 1756-BA1000 terminal block, showing dimensions in millimeters (mm) and inches (in).

**Dimensions:**

- Overall width: 50 (1.97)
- Overall height: 50 (1.97)
- Base flange height: 13.5 (0.53)
- Base flange width: 17 (0.67)
- Mounting hole diameter: 4 (0.16)
- Mounting hole spacing: 4.3 (0.17)
- Central slot width: 16 (0.63)
- Terminal block height: 46 (1.81)
- Terminal block width: 44 (1.73)
- Terminal block depth: 40 (1.57)
- Terminal block width (including base flange): 44 (1.73)
- Terminal block depth (including base flange): 4.3 (0.17)
- Terminal block width (including base flange): 4 (0.16)

**Material:** M12 x 1

**Brand:** Allen-Bradley