

45LST1LEA3P4

Allen-Bradley 45L Photoelectric Sensor 30mm Sensing Gap
45LST Optical Fork Sensor 4 Pin Pico QD



NON-CONTACT SENSORS



Allen-Bradley



Component type	Optical frame 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

Setting procedure	Manual adjustment
Voltage type	DC
Rated control supply voltage U_s at DC	10-30 V
Type of switching output	PNP/NPN
Max. output current	100 mA
Response time	1 ms
Type of electric connection	Connector M8
Number of protected semiconductor outputs	1
Type of switch function	Other

CONSTRUCTION

Material housing	Metal
Construction type housing	Special construction
IP rating	IP65
With reflector	No
Suitable for safety functions	No

MECHANICAL

With time function	Yes
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PHOTOMETRIC

Sensing type	Transmitted beam emitter & receiver pair
Type of light	Infrared light
Max. switching distance	30 mm
Sensing mode	Light-/dark switching
Wavelength of the sensor	880 nm

DIMENSIONS

Height of sensor	65 mm
Width sensor	60 mm
Length of sensor	12 mm
Frame opening lengthwise	30 mm

ENVIRONMENT

Ambient temperature	-20...60 °C
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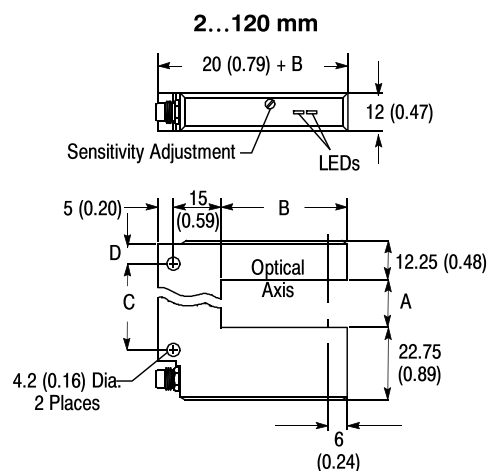
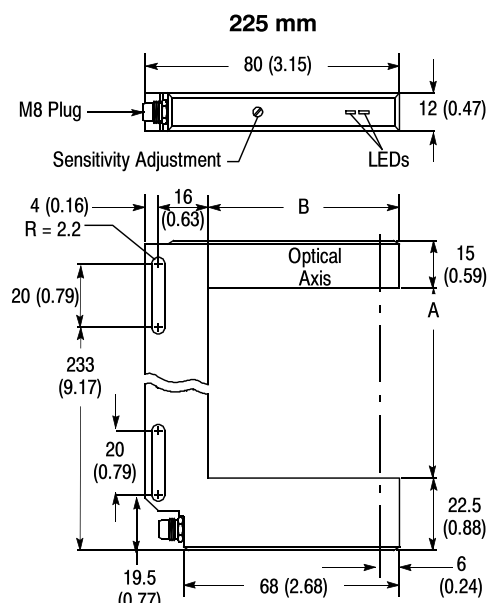
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DIMENSIONAL DIAGRAM



Dimensions [mm (in.)]				
Fork Size	A	B	C	D
2...120 (0.08...4.72)	2 (0.08)	40 (1.57)	14 (0.55)	6.25 (0.25)
	15 (0.59)	40 (1.57)	27 (1.06)	6.25 (0.25)
	30 (1.18)	40 (1.57)	42 (1.65)	6.25 (0.25)
	50 (1.97)	57 (2.24)	40 (1.57)	17.25 (0.68)
	80 (3.15)	57 (2.24)	70 (2.75)	17.25 (0.68)
	120 (4.72)	57 (2.24)	110 (4.33)	17.25 (0.68)
225 (8.86)	225 (8.86)	60 (2.36)	—	—