

# Eaton E51NLP6

Catalog Number: E51NLP6

Eaton E51 Series, Limit Switch, Modular Inductive Photoelectric Sensor, Right Angle, Sensor distance: 18 In., Receptacle and Body: Die Cast Zinc, 600 mA max DC, Complementary NPN Open Collector, 600 mA, 10–30 Vdc input, Diffuse Reflective

## General specifications



<b>Product Name</b>	<b>Catalog Number</b>
Eaton E51 NEMA limit switch inductive proximity sensor	E51NLP6
	<b>UPC</b>
	782113140667

<b>Product Length/Depth</b>	<b>Product Height</b>
1.54 in	4.89 in

<b>Product Width</b>	<b>Product Weight</b>
1.82 in	0.975 lb

<b>Warranty</b>	<b>Compliances</b>
3 year	CE Marked

<b>Certifications</b>	<b>Catalog Notes</b>
CSA Certified UL Listed	Assembled sensor with head; sensor body and receptacle. Requires glass fiber optic cables for operation.

## defaultTaxonomyAttributeLabel

### Contact Rating

600 mA

### Enclosure material

Head: plastic

Receptacle and body: die cast zinc

### Operating mode

Fiber-optic

### Connection

Screw terminal

### Contact configuration

Complementary PNP open collector

### Sensor type

Fiberoptic

### Switch type

Photoelectric

### Input voltage

10-30 Vdc

### LED indicator

Lights when output is ON

One red LED for each output

### Maximum DC current

600 mA

### Operating temperature - max

158 °F

### Operating temperature - min

-13 °F

### Environmental rating

NEMA 3, NEMA 3S, NEMA 4, NEMA 4X, NEMA 6, NEMA 6P,  
NEMA 12, NEMA 13, IP67

## Resources

### Catalogs

[Eaton's Volume 8—Sensing Solutions](#)

### Specifications and datasheets

[Eaton Specification Sheet - E51NLP6](#)



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