

42JTP2LAT1P4

Allen-Bradley 42JT Photoelectric Sensor Polarized Retro 10-30V
DC Range 0.1-6m PNP/NPN Pico 4



NON-CONTACT SENSORS



Allen-Bradley



Component type	Retroreflective 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

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	0.5 ms
Type of electric connection	Connector M8

CONSTRUCTION

Material of optical surface	Plastic
Material housing	Plastic
Construction type housing	Cuboid
IP rating	IP67

PHOTOMETRIC

Sensing type	Polarised retroreflective
Type of light	Polarized red light
Illumination mode	Other
Wavelength of the sensor	660 nm
Beam angle	1.5 °
Max. switching distance	6000 mm
Sensing mode	Light-/dark switching

ENVIRONMENT

Ambient temperature	-20...60 °C
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