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Allen-Bradley 42CA Photoelectric Sensor Diffuse 10-30V DC
Range 0-400mm PNP DC Micro 4



NON-CONTACT SENSORS



Allen-Bradley



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

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
Max. output current	0.1 mA
Response time	1 ms
Type of electric connection	Connector M12
Number of conductors	4

CONSTRUCTION

Material of optical surface	Plastic
Material housing	Plastic
Construction type housing	Cylinder, screw-thread
IP rating	IP67
With reflector	No

PHOTOMETRIC

Sensing type	Standard diffuse
Type of light	Infrared light
Wavelength of the sensor	880 nm
Max. switching distance	400 mm
Sensing mode	Light-/dark switching
Operating distance	0-400 mm

DIMENSIONS

Diameter sensor	18 mm
Length of sensor	74.5 mm
Thread size	18 mm

ENVIRONMENT

Ambient temperature	-25...70 °C
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