

42BCB1CRALT4

Allen-Bradley 42BC Photoelectric Sensor Background
Suppression 24-240V AC DC Range 0.2-1m



Component type	Light scanner with background masking
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	AC/DC
Rated control supply voltage U_s at DC	12 - 24 V
Type of switching output	Relay contact
Response time	20.0 ms
Number of protected contact energized outputs	1.0
Type of electric connection	Screw connection
Max. output current	3000.0 mA

COMMUNICATION

Triangulation	Background fade-out
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CONSTRUCTION

Material of optical surface	Plastic
Material housing	Plastic
Construction type housing	Cuboid
Degree of protection (IP)	IP65

PHOTOMETRIC

Type of light	Infrared light
Wavelength of the sensor	880.0 nm
Operating distance	1000 mm

DIMENSIONS

Width sensor	26.0 mm
Height of sensor	69.0 mm
Length of sensor	85.0 mm

ENVIRONMENT

Ambient temperature	-25 - 55 °C
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DIMENSIONAL DIAGRAM

Removable, see-through
snap on wiring Cover

