42JSD2MPA1F4

Allen-Bradley 42JS Photoelectric Sensor Diffuse 10-30V DC Visible Range 3-800mm PNP DC Micro 4

NON-CONTACT SENSORS



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 Us at DC	10-30 V
	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	Special construction
	IP rating	IP67
PHOTOMETRIC	**Sensing type**	Standard diffuse
	Type of light	Other
	Wavelength of the sensor	645 nm
	Beam angle	5.5 °
	Max. switching distance	800 mm
ENVIRONMENT	**Ambient temperature**	-20…60 °C

Published on 08 August 2026