42CMD2MPAED4

Allen-Bradley 42CM Photoelectric Sensor Diffuse 10-30V DC Red Range 3-100mm PNP DC Micro 4

NON-CONTACT SENSORS

Allen-Bradley



Component type	Diffuse reflective 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 Us at DC	10-30 V
	Type of switching output	PNP
	Max. output current	0.1 mA
	Response time	2 ms
	Type of electric connection	Connector M12
	Number of conductors	4
CONSTRUCTION	**Material of optical surface**	Plastic
	Material housing	Metal
	Construction type housing	Cylinder, screw-thread
	IP rating	IP67
	With reflector	No
PHOTOMETRIC	**Sensing type**	Standard diffuse
	Type of light	Other
	Illumination mode	Continuous light
	Wavelength of the sensor	660 nm
	Beam angle	6.6 °
	Max. switching distance	100 mm
	Sensing mode	Light-/dark switching
	Laser protection class	Class 1
	Operating distance	3-100 mm
DIMENSIONS	**Diameter sensor**	16.4 mm
	Length of sensor	79.4 mm
	Thread size	18 mm
ENVIRONMENT	**Ambient temperature**	-25…70 °C

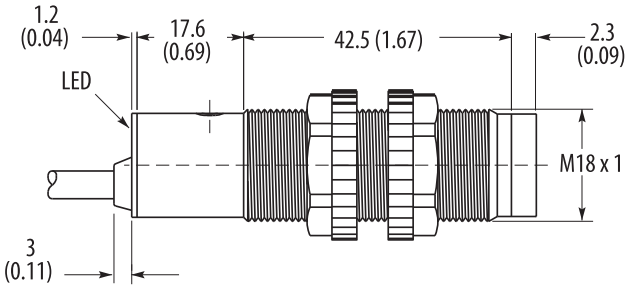
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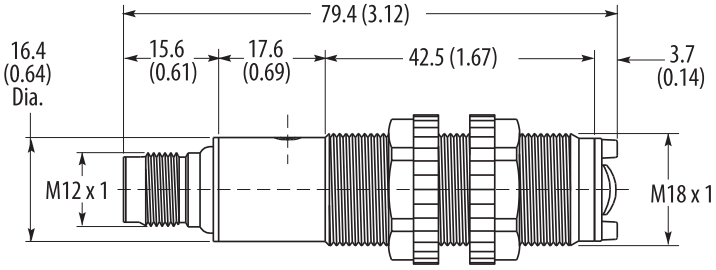
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DIMENSIONAL DIAGRAM

Dimensions shown in mm (in.).





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