42GTU9200QD

Allen-Bradley 42GT Photoelectric Sensor Polarized Retro 10-30V DC Range 50mm-4.9m PNP/NPN DC Micro 4

NON-CONTACT SENSORS



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 Us at DC	10-30 V
	Type of switching output	PNP/NPN
	Max. output current	250 mA
	Response time	0.5 ms
	Type of electric connection	Connector M12
CONSTRUCTION	**Material of optical surface**	Plastic
	Material housing	Plastic
	Construction type housing	Cuboid
	IP rating	IP67
PHOTOMETRIC	**Sensing type**	Polarised retroreflective
	Type of light	Laser diode, red light
	Illumination mode	Other
	Wavelength of the sensor	660 nm
	Beam angle	1.5 °
	Max. switching distance	4900 mm
	Sensing mode	Light-/dark switching
ENVIRONMENT	**Ambient temperature**	-10…50 °C

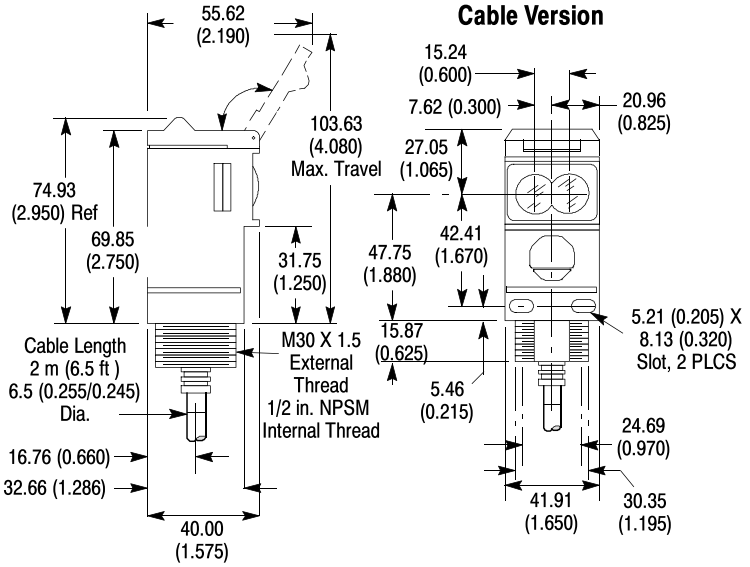
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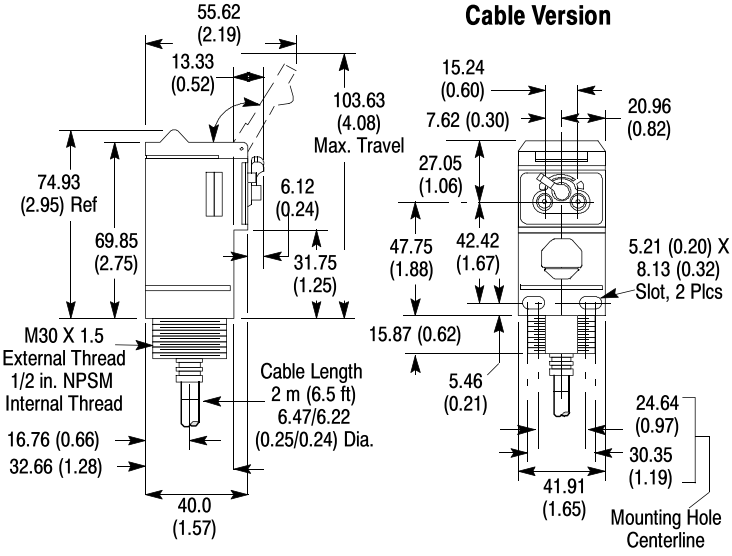
NON-CONTACT SENSORS

DIMENSIONAL DIAGRAM

All Versions Except Fiber Optic

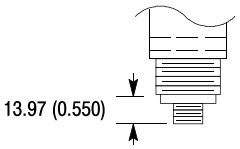


Fiber Optic

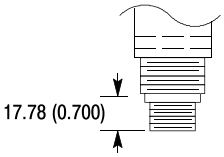


Connector Version

Micro Style



Mini Style



Thread Size

	AC	DC
Micro Style	1/2-20 UNF 2 Keyways	M12 x 1 1 Keyway
Mini Style	7/8-16 UN 1 Keyway	

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