

42GRU9000

Allen-Bradley 42GRU Photoelectric Sensor Retroreflective 10-30V
DC 50mm-9m PNP and NPN 2m



NON-CONTACT SENSORS



Allen-Bradley



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 U_s at DC	10-30 V
Type of switching output	PNP/NPN
Max. output current	250 mA
Response time	2 ms
Type of electric connection	Cable

CONSTRUCTION

Material of optical surface	Plastic
Material housing	Plastic
Construction type housing	Special construction
IP rating	IP67
Pre failure notice	No
With reflector	No
Degree of protection (NEMA)	13

MECHANICAL

With time function	No
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PHOTOMETRIC

Sensing type	Retroreflective
Type of light	Other
Illumination mode	Other
Wavelength of the sensor	660 nm
Beam angle	1.5 °
Max. switching distance	9100 mm
Sensing mode	Light/dark switching

DIMENSIONS

Width sensor	41.91 mm
Height of sensor	74.93 mm
Length of sensor	40 mm

ENVIRONMENT

Ambient temperature	-34...70 °C
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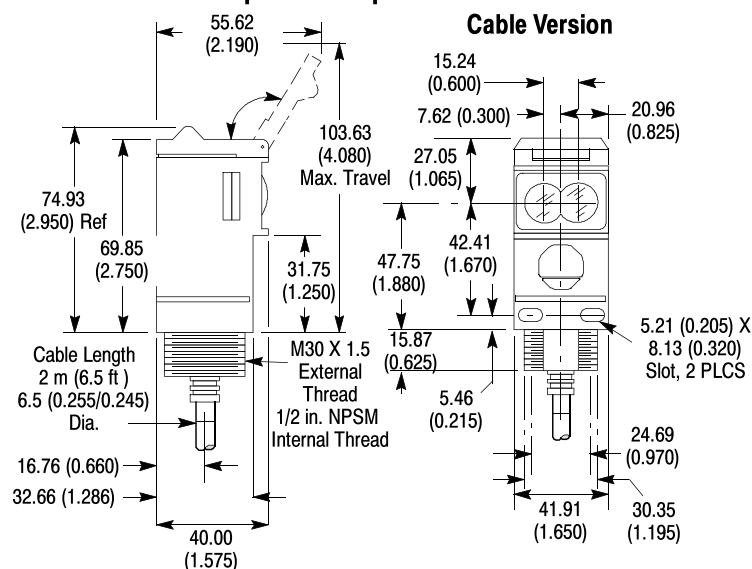
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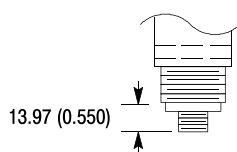
DIMENSIONAL DIAGRAM

All Versions Except Fiber Optic

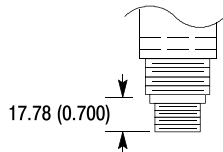


Connector Version

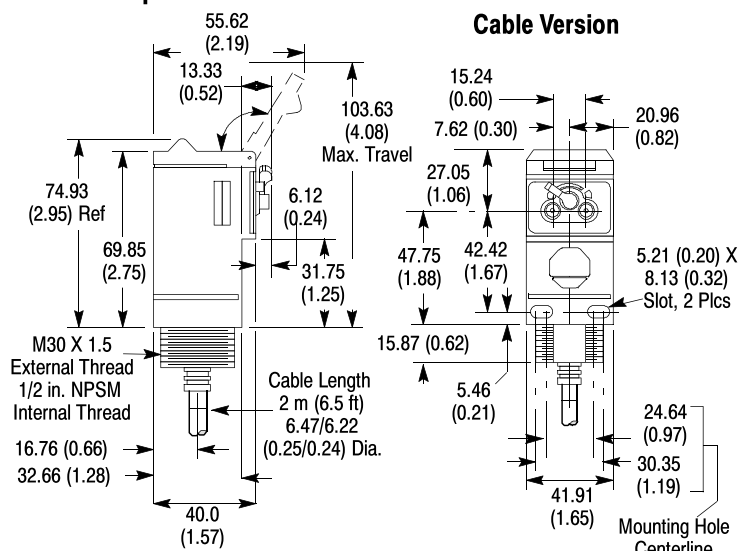
Micro Style



Mini Style



Fiber Optic



Thread Size

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