

42GRP9002QD

Allen-Bradley 42GRP Photoelectric Sensor Diffuse 70-240V AC
DC range 50mm-1.5m SPDT EM Mini 5



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	AC/DC
Rated control supply voltage U_s at AC 50HZ	70-264 V
Rated control supply voltage U_s at DC	70-264 V
Type of switching output	Relay contact
Response time	15 ms
Type of electric connection	Connector M12
Number of conductors	4
Type of switch function	Change-over contact (NO/NC)

CONSTRUCTION

Material of optical surface	Plastic
Material housing	Plastic
Construction type housing	Special construction
IP rating	IP67
Degree of protection (NEMA)	4X

PHOTOMETRIC

Sensing type	Standard diffuse
Type of light	Other
Wavelength of the sensor	660 nm
Beam angle	3.5 °
Max. switching distance	1500 mm
Sensing mode	Light/dark switching
Operating distance	50-1500 mm

DIMENSIONS

Width sensor	41.91 mm
Height of sensor	74.93 mm
Length of sensor	40 mm
Thread size	30 mm

ENVIRONMENT

Ambient temperature	-34...70 °C
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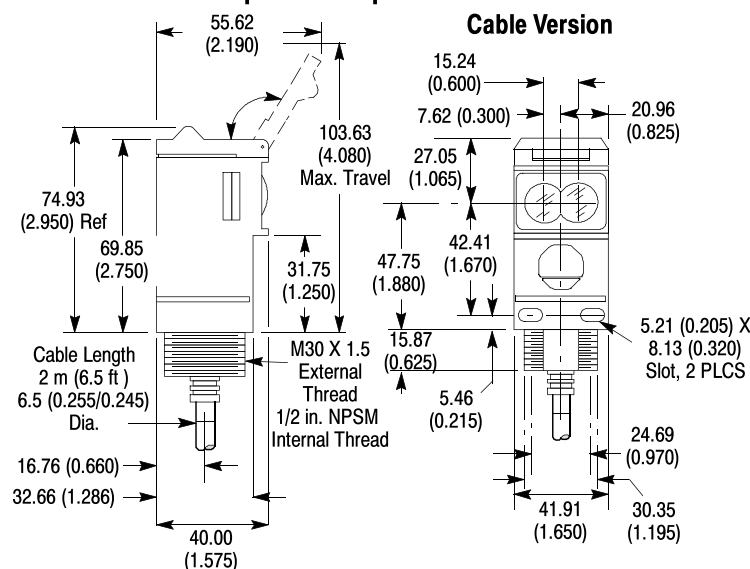
NON-CONTACT SENSORS



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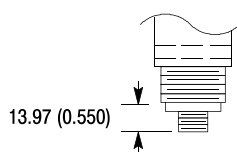
DIMENSIONAL DIAGRAM

All Versions Except Fiber Optic

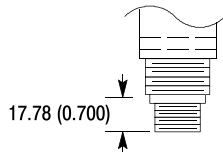


Connector Version

Micro Style

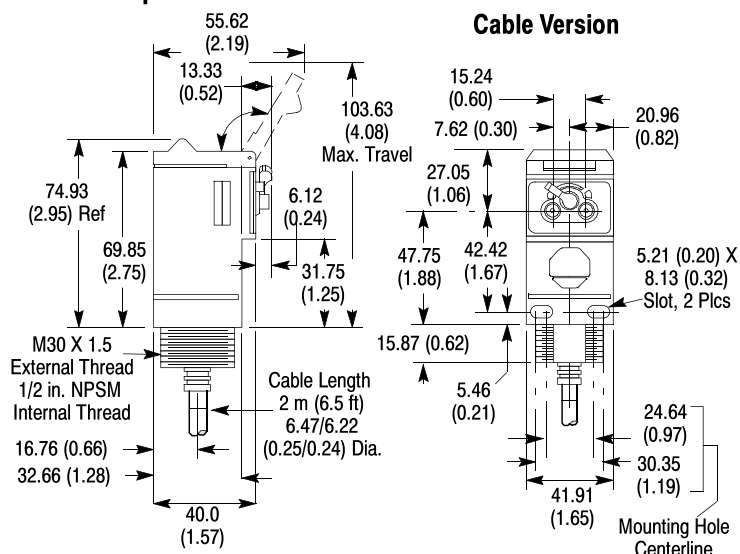


Mini Style



Fiber Optic

Cable Version



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	