# 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** | 2 ms |
| | **Type of electric connection** | Connector M12 |
| **CONSTRUCTION** | **Material of optical surface** | Plastic |
| | **Material housing** | Plastic |
| | **Construction type housing** | Special construction |
| | **IP rating** | IP67 |
| **PHOTOMETRIC** | **Sensing type** | Polarised retroreflective |
| | **Type of light** | Polarized 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** | -34…70 °C |





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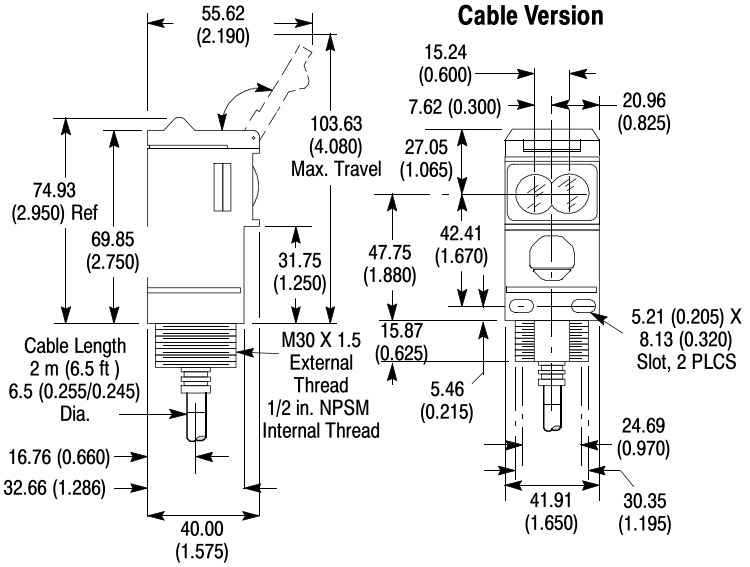
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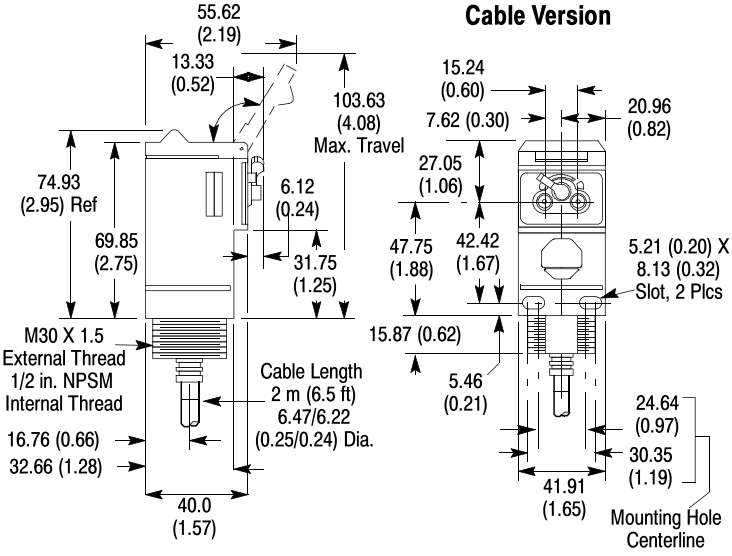
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## DIMENSIONAL DIAGRAM

### All Versions Except Fiber Optic




### Fiber Optic




### Connector Version




### Thread Size

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





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