



## Description

This Series comprises long-range mirror-reflex photoelectric sensors with relay output for industrial object-detection applications. Standard IP65 and waterproof IP67 variants are available, with red or infrared emitters and integral 2m cable connection. A polarised retro-reflective model is included for applications where reflections from shiny targets may otherwise cause false switching.

## Features

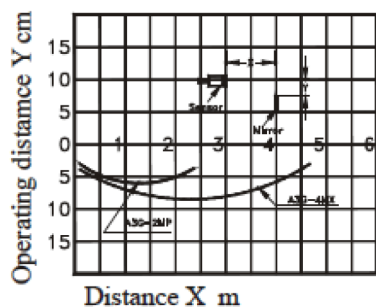
- Wide operating range: 20 to 260V DC/AC
- 12V DC customised version available
- High-capacity relay output: 3 A at 250V AC
- Contact current: 5 A at 250V AC
- IP65 standard and IP67 waterproof models
- Red LED and infrared LED variants
- Models with and without sensitivity trimmer
- Built-in surge suppression and noise resistance
- Normally closed B-type variants available to order

## Specifications

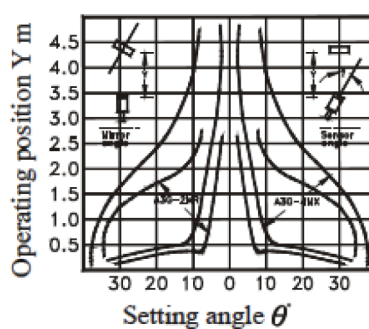
|                             |                                                                    |
|-----------------------------|--------------------------------------------------------------------|
| Unit of Supply              | : Photoelectric sensor with integral lead                          |
| Sensor Type                 | : Mirror-reflex photoelectric sensor                               |
| Operating voltage           | : 20 to 260 V DC/AC; 12 V DC customised version; 50/60 Hz          |
| Current consumption         | : 2 VA max.                                                        |
| Output method               | : Relay                                                            |
| Relay output feature rating | : 3A at 250V AC                                                    |
| Contact current             | : 5A at 250V AC                                                    |
| Output status               | : Normally open; output ON when the beam is interrupted (break-on) |
| Response time               | : 15 ms                                                            |
| Ambient-light immunity      | : Lamp light below 10,000 lx; sunlight below 30,000 lx             |
| Connection method           | : 5-core cable, 6mm diameter × 2m                                  |
| Noise resistance            | : 1500 Vp-p / 1 µs                                                 |
| Surge resistance            | : 2 kV / 1 µs                                                      |
| Vibration resistance        | : 10 to 55 Hz / 1.5mm, 2 hours in X, Y and Z directions            |
| Housing material            | : ABS case; PC lens                                                |
| Operating environment       | : -20°C to +60°C; 35% to 85% RH                                    |

## Operating characteristics

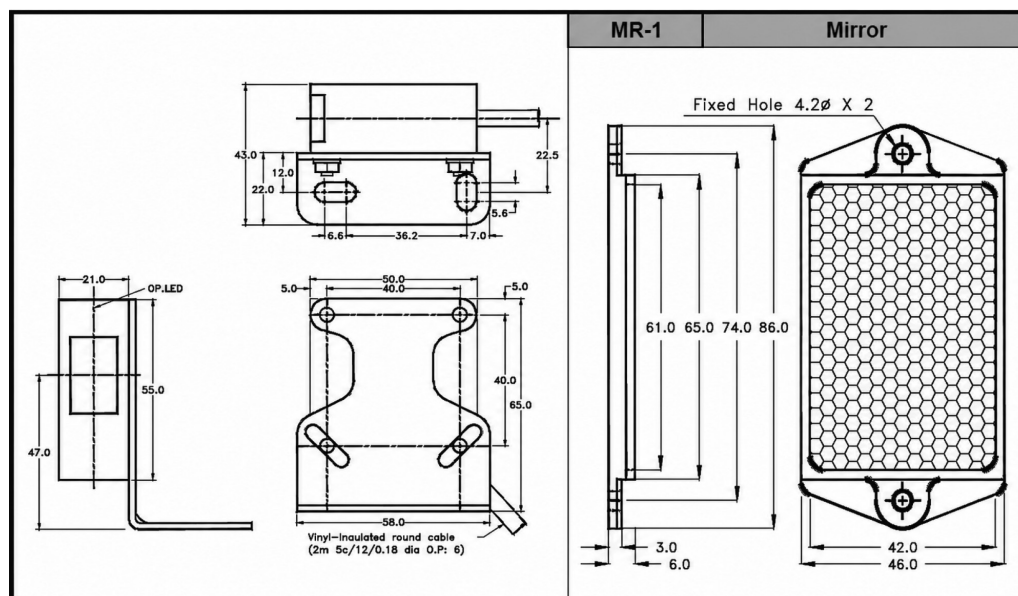
Mirror Reflex Type



Setting Angle



## Dimensions



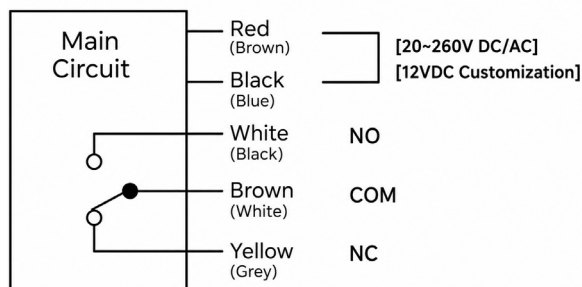
## Part Numbers

| Protection | Distance | Emitter      | Adjustment | Min. object | Approx. weight |
|------------|----------|--------------|------------|-------------|----------------|
| IP67       | 4m       | Infrared LED | None       | 5mm         | 155g           |

Dimensions : Millimetres

## Diagram

Connection diagram



Part Number Table

| Description                                | Part Number |
|--------------------------------------------|-------------|
| Photoelectric Sensor, 20 to 260V DC/AC, 4m | MP-A3G-4MXP |

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.