





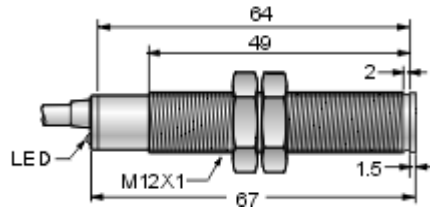
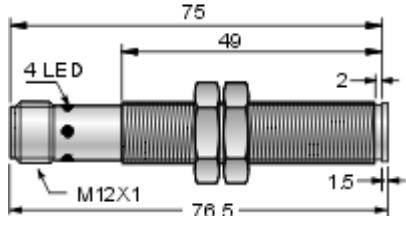


DC PHOTOELECTRIC SENSOR (FM12)

| Type | FM12 | | | FM12 | | |
|--------------------------|--|-----------------------|-----|--|-----|--|
| Sensing Mode | Retro-reflective mode | | | Retro-reflective mode | | |
| Sensing Picture |  (With Polarizing Filters) | | |  (With Polarizing Filters) | | |
| Switching Distance (Sn) | 500mm | | | 500mm | | |
| Picture |  | | |  | | |
| Nominal Voltage | 10-30VDC | | | 10-30VDC | | |
| Residual Ripple | <10% | | | <10% | | |
| Tolerance | ±10%Sn | | | ±10%Sn | | |
| Hysteresis | 10% | | | 10% | | |
| Emission | Red(660nm) | | | Red(660nm) | | |
| Output | NPN or PNP | | | NPN or PNP | | |
| Contact | Light ON or Dark ON | | | Light ON or Dark ON | | |
| Max. Output Current | 150mA | | | 150mA | | |
| No Load Current | 30mA or less | | | 30mA or less | | |
| Voltage Drop(Sensor On) | <2.5V | | | <2.5V | | |
| Sensitivity Adjustment | - | | | - | | |
| Response Time | 1mS | | | 1mS | | |
| Short Circuit Protection | Yes | | | Yes | | |
| Electric Protections | Yes | | | Yes | | |
| Temperature Limits | -25 ~ +55℃ | | | -25 ~ +55℃ | | |
| Ambient Humidity | 35 to 85% RH | | | 35 to 85% RH | | |
| Light Immunity | >10.000Lux | | | >10.000Lux | | |
| Protection Degree | IP67 | | | IP67 | | |
| Housing Material | PBT Plastic or Nickel Plated Brass | | | PBT Plastic or Nickel Plated Brass | | |
| Sensing object | D51 Reflector | | | D51 Reflector | | |
| Brass Housing | | | | | | |
| | NPN N. O.+N. C. | F1BL-M120500NS-R4A2/F | A14 | F1BL-M120500NS-REA4/F | A17 | |
| | PNP N. O.+N. C. | F1BL-M120500PS-R4A2/F | A15 | F1BL-M120500PS-REA4/F | A17 | |
| Plastic Housing | | | | | | |
| | NPN N. O.+N. C. | F1PL-M120500NS-R4A2/F | A14 | F1PL-M120500NS-REA4/F | A17 | |
| | PNP N. O.+N. C. | F1PL-M120500PS-R4A2/F | A15 | F1PL-M120500PS-REA4/F | A17 | |
| Wiring Diagram |  | | |  | | |
| Dimensions (unit: mm) |  | | |  | | |
| Terminal Version | 2M PVC (3x0.15mm2) | | | M8 Pico-style | | |
| Weight | Approx. 67g | | | Approx. 40g | | |

Subject to modifications without notice

Tel: +86-755-2646 7962

Fax: +86-755-2646 7925

MSN: dfan852@hotmail.com

Web: www.mountiger.com

E-mail: sales@mountiger.com

QQ: 873764592



 Sensing the future