





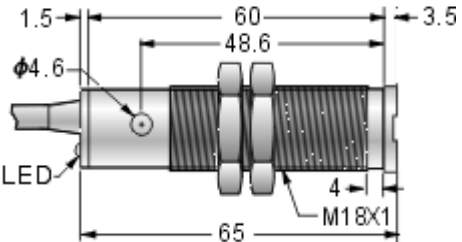
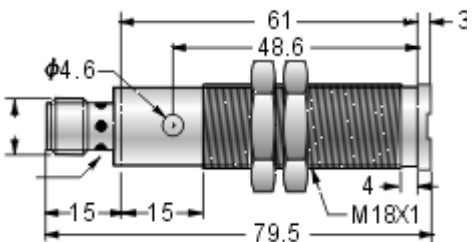


DC WITH N.O.+N.C. PROGRAMME OUTPUT PHOTOELECTRIC SENSOR (FM18A)

| Type | | FM18A | | FM18A | |
|--------------------------|-----------------|--|-----|---|-----|
| Sensing Mode | | Through-beam mode | | Through-beam mode | |
| Sensing Picture | |  | |  | |
| Switching Distance (Sn) | | 15M | | 15M | |
| Picture | |  | |  | |
| Nominal Voltage | | 10-30VDC | | 10-30VDC | |
| Residual Ripple | | <10% | | <10% | |
| Tolerance | | ±10%Sn | | ±10%Sn | |
| Hysteresis | | 10% | | 10% | |
| Emission | | Infrared(880nm) | | Infrared(880nm) | |
| Output | | NPN or PNP(Programable) | | NPN or PNP(Programable) | |
| Contact | | N.O. & N.C.(Programable) | | N.O. & N.C.(Programable) | |
| Max. Output Current | | 200mA | | 200mA | |
| No Load Current | | 30mA or less | | 30mA or less | |
| Voltage Drop(Sensor On) | | <2.5V | | <2.5V | |
| Sensitivity Adjustment | | Trimmer 1 tum | | Trimmer 1 tum | |
| 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 | | φ8mm or more | | φ8mm or more | |
| Brass Housing | Emitter | F1BT-M18015MDE-I3B2-A | A28 | F1BT-M18015MDE-IEB4-A | A29 |
| | NPN N.O. + N.C. | F1BT-M18015MNS-I4A2-A | A24 | F1BT-M18015MNS-IEA4-A | A25 |
| | PNP N.O. & N.C. | F1BT-M18015MPS-I4A2-A | A26 | F1BT-M18015MPS-IEA4-A | A27 |
| Plastic Housing | Emitter | F1PT-M18015MDE-I3B2-A | A28 | F1PT-M18015MDE-IEB4-A | A29 |
| | NPN N.O. + N.C. | F1PT-M18015MNS-I4A2-A | A24 | F1PT-M18015MNS-IEA4-A | A25 |
| | PNP N.O. & N.C. | F1PT-M18015MPS-I4A2-A | A26 | F1PT-M18015MPS-IEA4-A | A27 |
| Wiring Diagram | |  | |  | |
| Dimensions (unit: mm) | |  | |  | |
| Terminal Version | | 2M PVC (3x0.15mm2) | | M12 Euro Style | |
| Weight | | Approx.112g | | Approx. 75g | |

Subject to modifications without notice

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