

AC/DC PHOTOELECTRIC SENSOR (FP50)

| Type | FP50 | | FP50 | | |
|-------------------------|--|---------------------|-----------------------------------|---------------------|----|
| Sensing Mode | Through-beam mode | | Through-beam mode | | |
| Sensing Picture | | | | | |
| Switching Distance (Sn) | 20M | | 40M | | |
| Picture | | | | | |
| Nominal Voltage | 12-24VDC / 24-240VAC | | 12-24VDC / 24-240VAC | | |
| Mains Frequency | 50/60Hz | | 50/60Hz | | |
| Tolerance | ±10%Sn | | ±10%Sn | | |
| Hysteresis | 10% | | 10% | | |
| Emission | Infrared(880nm) | | Infrared(880nm) | | |
| Output | Relay SPDT | | Relay SPDT | | |
| Max. Output Current | 3A/30VDC, 1A/240VAC | | 3A/30VDC, 1A/240VAC | | |
| Power Consumption | <2.5VA | | <2.5VA | | |
| Yellow LED | Output indicator | | Output indicator | | |
| Green LED | Supply indicator | | Supply indicator | | |
| Sensitivity Adjustment | Trimmer 1 turn | | Trimmer 1 turn | | |
| SWitching Frequency | 10Hz | | 10Hz | | |
| Response Time | 20ms | | 20ms | | |
| Start up Delay | <300ms | | <300ms | | |
| Temperature Limits | -10 ~ +60℃ | | -10 ~ +60℃ | | |
| Light Immunity | >10.000Lux | | >10.000Lux | | |
| Protection Degree | IP65 | | IP65 | | |
| Housing Material | PBT | | PBT | | |
| Sensing object | | | | | |
| | | | | | |
| | | | | | |
| Part Number | Through-beam mode (Emitter) | F3PT-Q50020MUE-I2B2 | C5 | F3PT-Q50040MUE-I2B2 | C5 |
| | Through-beam mode (Receiver) | F3PT-Q50020MUR-I5B2 | C4 | F3PT-Q50040MUR-I5B2 | C4 |
| | Diffuse mode | | | | |
| | Retro-reflective mode | | | | |
| | Retro-reflective mode(with polarizing filters) | | | | |
| | | | | | |
| | | | | | |
| Wiring Diagram | | | | | |
| Dimensions (unit: mm) | | | | | |
| Terminal Version | 2M Cable (4x0.15mm ²) | | 2M Cable (4x0.15mm ²) | | |
| Weight | Approx. 160g | | Approx. 160g | | |

Subject to modifications without notice

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