

# Ultra-thin miniature proximity photoelectric sensor V5UF-F/L series

■ Highlights

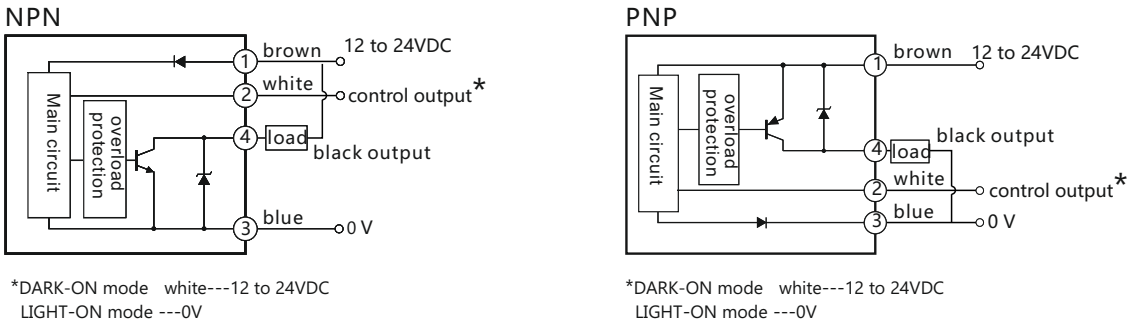
- Using SUS316L solid body, durable and long service life;
- Small size, short detection fade zone;
- Unique stable detection algorithm;
- High visibility indicator;
- Simple installation using standard M3 screws;



■ Product parameters

|                                 |      |   |             |
|---------------------------------|------|---|-------------|
| Apperance (reference only)      |      |   |             |
| Shape                           |      | Flat type   |             |
| Model                           | NPN  | V5UF-FB30N  | V5UF-FB30B  |
|                                 | PNP  | V5UF-FB30P  | V5UF-FB30BP |
|                                 | Type | Reflection type   |             |
| Detection distance              |      | 2~30mm  | 2~40mm      |
| Light point diameter            |      | about φ5mm (when 30mm)  |             |
| light source                    |      | Red LED   | Infrared    |
| reaction time                   |      | Max.1ms   |             |
| Operation mode (output)         |      | LIGHT-ON / DARK-ON  |             |
| Indicator light                 |      | Output: red; stable operation: green;Transmitters power supply: Green   |             |
| supply voltage                  |      | 10~30VDC with ripple current (P-P) 10%  |             |
| Current consumption             |      | 19mA  |             |
| Control output general purpose) |      | NPN output type: NPN collector open 30VDC below, 50mA below;<br>The residual voltage is less than 10mA, less than 1.5V at 10~30mA and less than 2.0V at 30~50mA.<br>Leakage current: the load resistance is 3KΩ, less than 0.3mA, the load resistance is 1K, less than 0.5mA, and the load resistance is 0.2K, less than 1.5mA. |             |

■ Input/Output circuit



■ Dimension

