



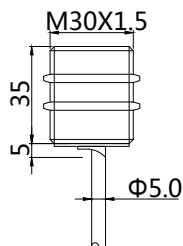
### Features:

- M30\*1.5 mm , Full stainless steel housing;
- The shortest body , compact construction;
- 10mm , flush mountable;
- DC 3-wire , switching output;
- Cable

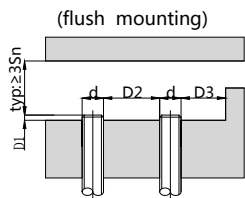
**RoHS**

**CE**

### Dimensioned drawing



### Mounting



| Sn    | D1 | D2  | D3  |
|-------|----|-----|-----|
| M3010 | ≥0 | ≥30 | ≥30 |

⚠ Tightening torque of the fastening screws:  
<40Nm!

| Correction Factor |           |
|-------------------|-----------|
| Non-ferrous metal | Factor    |
| Fe360             | 1         |
| Aluminum          | 0.35~0.45 |
| Brass             | 0.35~0.5  |
| Copper            | 0.25~0.45 |
| Stainless steel   | 0.6~1.0   |
| Cast Iron         | 0.93~1.05 |
| Nickel            | 0.65~0.75 |

### Model No.

| Sensing range | Sn: 10 mm              |
|---------------|------------------------|
| NPN N. O      | SIMF-M30-10N-V11-PV2-S |
| NPN N. C      | SIMF-M30-10N-V21-PV2-S |
| PNP N. O      | SIMF-M30-10P-V11-PV2-S |
| PNP N. C      | SIMF-M30-10P-V21-PV2-S |

### Technical data

|                              |                              |                                      |
|------------------------------|------------------------------|--------------------------------------|
| <b>Electrical data</b>       | Operating voltage            | 10-30V DC                            |
|                              | Switching frequency          | 2Hz                                  |
|                              | Voltage drop                 | ≤2.0V                                |
|                              | Leakge current               | <0.01mA                              |
|                              | Load current                 | 200mA                                |
|                              | No load current              | ≤10mA(24V)                           |
|                              | Hysteresis                   | <15%(Sr)                             |
|                              | Repeatability                | <1.0%(Sr)                            |
|                              | Temperature drift            | <10%(Sr)                             |
|                              | Short circuit protection     | Yes                                  |
|                              | Overload protection          | Yes                                  |
|                              | Polarity reversal protection | Yes                                  |
| <b>Environment</b>           | Ambient temperature          | -25...70°C                           |
|                              | Ingress protection           | IP67                                 |
| <b>Mechanical data</b>       | Housing material             | Stainless steel                      |
|                              | Face material                | Stainless steel                      |
| <b>Electrical connection</b> | Connectors                   | PVC cable/2m ; 3*0.35mm <sup>2</sup> |

### Wiring

