

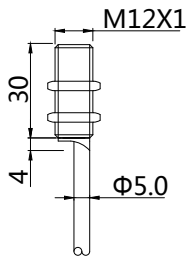
Features:

- M12*1 mm , Full stainless steel housing;
- The shortest body , compact construction;
- 2/4mm , flush mountable;
- DC 3-wire , switching output;
- Cable

RoHS **CE**



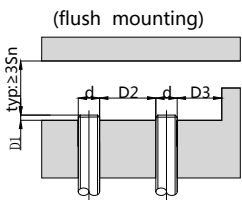
Dimensioned drawing



Model No.

| Sensing range | Sn:2 mm | Sn:4 mm |
|---------------|------------------------|------------------------|
| NPN N. O | SIMF-M12-02N-V11-PV2-S | SIMF-M12-04N-V11-PV2-S |
| NPN N. C | SIMF-M12-02N-V21-PV2-S | SIMF-M12-04N-V21-PV2-S |
| PNP N. O | SIMF-M12-02P-V11-PV2-S | SIMF-M12-04P-V11-PV2-S |
| PNP N. C | SIMF-M12-02P-V21-PV2-S | SIMF-M12-04P-V21-PV2-S |

Mounting



| Sn | D1 | D2 | D3 |
|-------|----|-----|-----|
| M1202 | ≥0 | ≥12 | ≥12 |
| M1204 | ≥1 | ≥12 | ≥12 |

⚠ Tightening torque of the fastening screws: <30Nm!

| Correction Factor | Factor |
|-------------------|-----------|
| Non-ferrous metal | 1 |
| 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 |

Technical data

| | | |
|------------------------------|------------------------------|--------------------------------------|
| Electrical data | Operating voltage | 10-30V DC |
| | Switching frequency | 100Hz |
| | 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 |
| Environment | Ambient temperature | -25...70°C |
| | Ingress protection | IP67 |
| Mechanical data | Housing material | Stainless steel |
| | Face material | Stainless steel |
| Electrical connection | Connectors | PVC cable/2m ; 3*0.35mm ² |

Wiring

