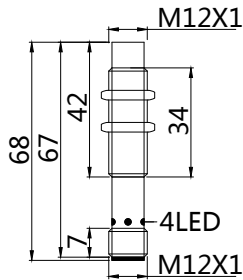


Features:

- M12*1 mm , Full stainless steel housing;
- 4mm , non-flush mountable;
- DC 3-wire , switching output;
- Connector versions



Dimensioned drawing

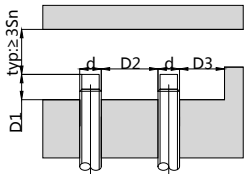


Model No.

| Sensing range | | Sn: 4 mm |
|---------------|--|----------------------|
| NPN N. O | | SIMN-M12-04N-V11-M12 |
| NPN N. C | | SIMN-M12-04N-V21-M12 |
| PNP N. O | | SIMN-M12-04P-V11-M12 |
| PNP N. C | | SIMN-M12-04P-V21-M12 |

Mounting

(non-flush mounting)



| Sn | D1 | D2 | D3 |
|-------|----|-----|-----|
| M1204 | ≥9 | ≥24 | ≥12 |

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

| Correction Factor | |
|-------------------|-----------|
| Nav-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 |

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 | M12 connector |

Wiring

