

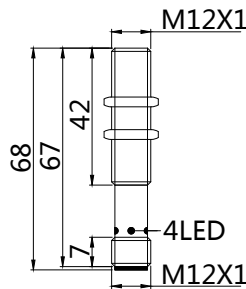


Features:

- M12*1 mm , Full stainless steel housing;
- 2/4mm , flush mountable;
- DC 3-wire , switching output;
- Connector versions

RoHS **CE**

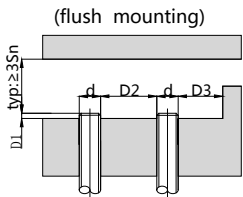
Dimensioned drawing



Model No.

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

Mounting



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

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

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

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

