Metal-face M12 Series DC 3-Wire Sn 4mm

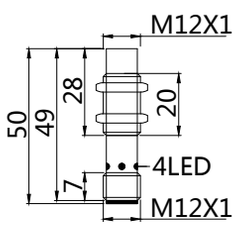
Inductive sensors

Features:

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

RoHS CE

Dimensioned drawing

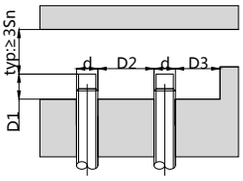


Model No.

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

Mounting

(non-flush mounting)

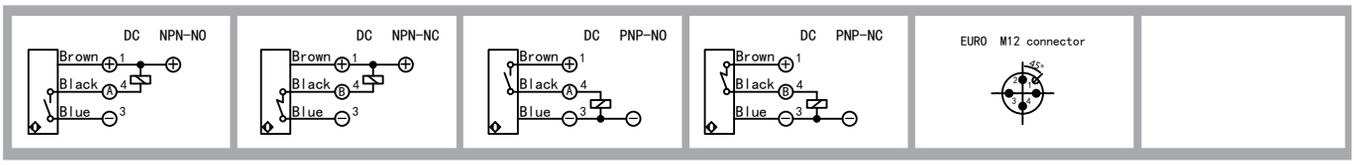


Sn	D1	D2	D3
M1204	≥9	≥24	≥12

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℃
	Ingress protection	IP67
Mechanical data	Housing material	Stainless steel
	Face material	Stainless steel
Electrical connection	Connectors	M12 connector

Wiring