

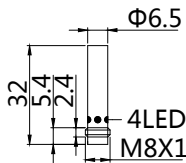
**Features:**

- Φ6.5 mm short body , Stainless steel housing;
- The shortest body , compact construction;
- 2/3mm , flush/quasi-flush mountable;
- DC 3-wire , switching output;
- Connector versions



**RoHS** **CE**

**Dimensioned drawing**

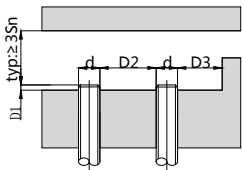


**Model No.**

Sensing range	Sn:2 mm	Sn:3 mm
NPN N. O	SIF-H6.5-02N-V11-M8-R	SIF-H6.5-03N-V11-M8-R
NPN N. C	SIF-H6.5-02N-V21-M8-R	SIF-H6.5-03N-V21-M8-R
PNP N. O	SIF-H6.5-02P-V11-M8-R	SIF-H6.5-03P-V11-M8-R
PNP N. C	SIF-H6.5-02P-V21-M8-R	SIF-H6.5-03P-V21-M8-R

**Mounting**

(flush/quasi-flush mounting)



Sn	D1	D2	D3
H6.502	≥0	≥8	≥8
H6.503	≥2	≥8	≥8

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**

<b>Electrical data</b>	Operating voltage	10-30V DC
	Switching frequency	2000Hz/1000Hz
	Voltage drop	≤2.0V
	Leakge current	<0.01mA
	Load current	100mA
	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	POM
<b>Electrical connection</b>	Connectors	M8 connector

**Wiring**

