

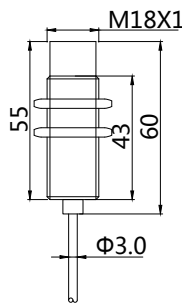


**Features:**

- M18\*1 mm , Metal housing;
- 8mm , non-flush mountable;
- DC 3-wire , switching output;
- Withstand High-temperatures(-25...120°C);
- Cable

**RoHS** **CE**

**Dimensioned drawing**

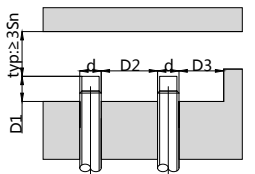


**Model No.**

Sensing range	<b>Sn: 8 mm</b>
NPN	SIHN-M18-08P-V11-PTFE2-120
PNP	SIHN-M18-08N-V11-PTFE2-120

**Mounting**

(non-flush mounting)



Sn	D1	D2	D3
M1808	≥16	≥36	≥18

⚠ Tightening torque of the fastening screws: <20Nm!

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**

<b>Electrical data</b>	Operating voltage	10-30V DC
	Switching frequency	800Hz/120°C
	Voltage drop	≤1.8V
	Leakage current	<0.01mA
	Load current	100mA/24V DC
	No load current	≤10mA
	Hysteresis	3-15%(Sr)
	Repeatability	<3.0%(Sr)
	Temperature drift	<10%(Sr)
	Short circuit protection	Yes
Overload protection	Yes	
Polarity reversal protection	Yes	
<b>Environment</b>	Ambient temperature	-25...120°C
	Ingress protection	IP66
<b>Mechanical data</b>	Housing material	Stainless steel
	Face material	PTFE
<b>Electrical connection</b>	Connectors	PTFE cable/2m ; 3*0.18mm <sup>2</sup>

**Wiring**

