Hall sensor FN18 series



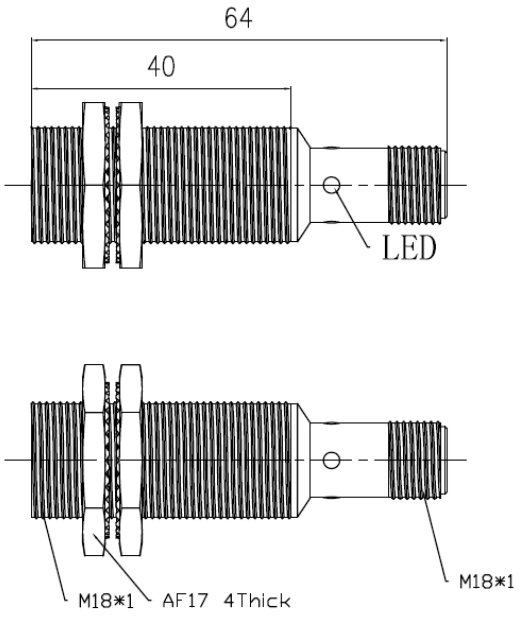
Feature description

- The detection distance is determined by the magnetic strength of the target
- Long life and high reliability
- Yellow LED display can check the status of the sensor
- Economical and simple operation
- Protection class IP67 (IEC)

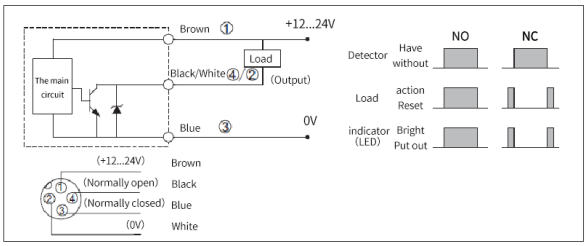
Model specification			
NPN NO	FN18DNO-E2	PNP NO	FN18DPO-E2
NPN NC	FN18DNC-E2	PNP NC	FN18DPC-E2

Specifications			
Detection distance	15mm	Consumption current	≤15mA
Installation type	Flush	Ambient temperature	-25...70℃
Supply voltage	10...30 VDC	Environment humidity	35...95RH%
Switch point offset	≤±10%	Switching frequency	200Hz
Hysteresis range	3...20%	Withstand voltage	1000/AC 50/60Hz 60s
Repetitive error	≤3%	Insulation resistance	≥50MΩ（500VDC）
Load current	≤200mA	Vibration resistant	Complex amplitude 1.5mm 10...50Hz
Residual voltage	≤2.5VDC		(2 hours each in X, Y, and Z directions)
Circuit protection	surge protection、Short circuit protection,	Protection degree	IP67
	overload protection,	Dimension	M18*1*40
	reverse polarity protection	Housing material	Nickel copper alloy
Indicator	Yellow LED	Connection type	M12 Connector

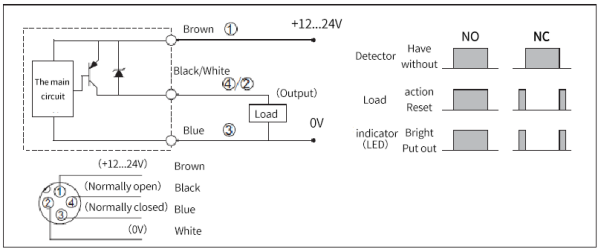
Dimension



Wiring diagram



NPN



PNP

Hall sensor FN18 series



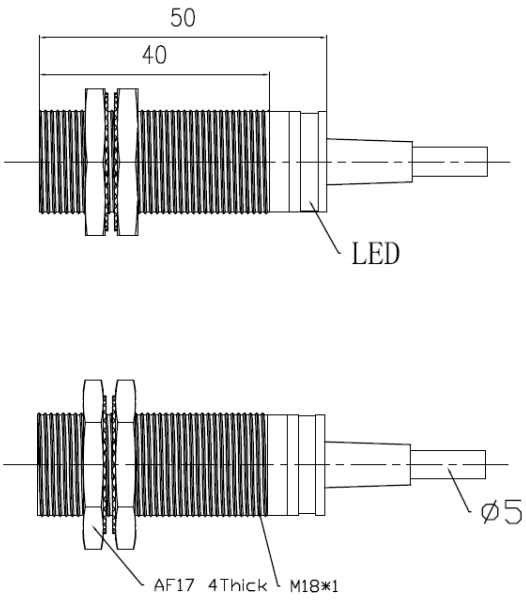
Feature description

- The detection distance is determined by the magnetic strength of the target
- Long life and high reliability
- Yellow LED display can check the status of the sensor
- Economical and simple operation
- Protection class IP67 (IEC)

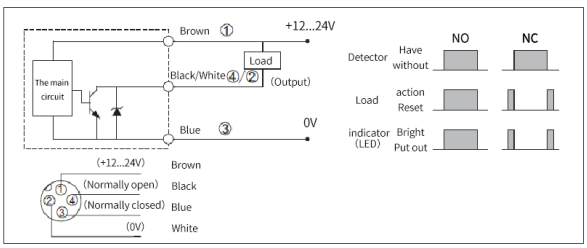
Model specification			
NPN NO	FN18DNO	PNP NO	FN18DPO
NPN NC	FN18DNC	PNP NC	FN18DPC

Specifications			
Detection distance	15mm	Consumption current	≤15mA
Installation type	Flush	Ambient temperature	-25...70℃
Supply voltage	10...30 VDC	Environment humidity	35...95RH%
Switch point offset	≤±10%	Switching frequency	200Hz
Hysteresis range	3...20%	Withstand voltage	1000/AC 50/60Hz 60s
Repetitive error	≤3%	Insulation resistance	≥50MΩ（500VDC）
Load current	≤200mA	Vibration resistant	Complex amplitude 1.5mm 10...50Hz
Residual voltage	≤2.5VDC		(2 hours each in X, Y, and Z directions)
Circuit protection	surge protection、Short circuit protection,	Protection degree	IP67
	overload protection,	Dimension	M18*1*40
	reverse polarity protection	Housing material	Nickel copper alloy
Indicator	Yellow LED	Connection type	2m PVC cable

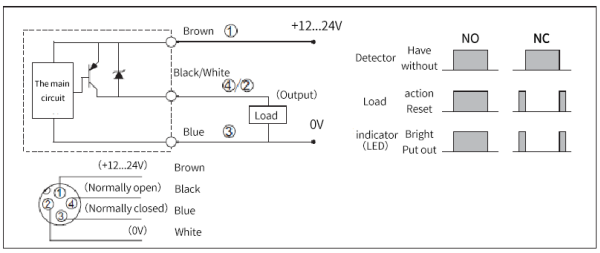
Dimension



Wiring diagram



NPN



PNP