Frequency enhanced inductive sensors **LR18X** series



Features

- ◆ High switching frequency, fast response;
- ◆ ASIC technology, more reliable;
- ◆ Perfect choice for high speed detecting application;

CE UKCA

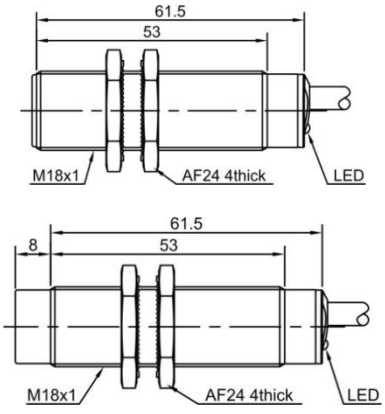
Part number

NPN	NO	LR18XCF05DNOG	LR18XCN08DNOG	PNP	NO	LR18XCF05DPOG	LR18XCN08DPOG
NPN	NC	LR18XCF05DNCG	LR18XCN08DNCG	PNP	NC	LR18XCF05DPCG	LR18XCN08DPCG

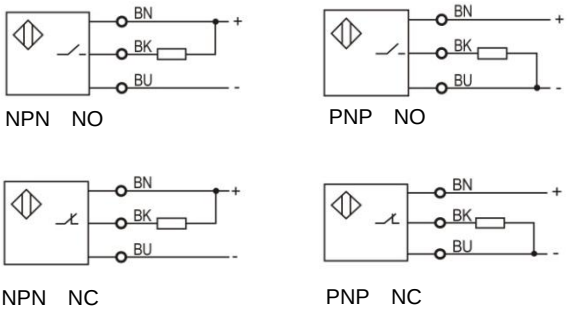
Technical specifications

Mounting	Flush	Non-flush	Current consumption	≤10mA	
Rated distance [Sn]	5mm	8mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0…4mm	0…6.4mm	Output indicator	Yellow LED	
Dimensions	M18*61.5mm	M18*69.5mm	Ambient temperature	-25℃…70℃	
Output	NO/NC(depends on part number)		Ambient humidity	35…95%RH	
Supply voltage	10…30 VDC		Switching frequency [F]	2000 Hz	1500 Hz
Standard target	Fe 18*18*1t	Fe 24*24*1t	Voltage withstand	1000V/AC 50/60Hz 60s	
Switch-point drifts [%/Sr]	≤±10%		Insulation resistance	≥50MΩ(500VDC)	
Hysteresis range [%/Sr]	1…20%		Vibration resistance	10…50Hz (1.5mm)	
Repeat accuracy [R]	≤3%		Degree of protection	IP67	
Load current	≤200mA		Housing material	Nickel-copper alloy	
Residual voltage	≤2.5V		Connection type	2m PVC cable	

Dimensions



Wiring diagram



* Lanbao reserves all the rights