Frequency enhanced inductive sensors **LR18X** series



Features

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

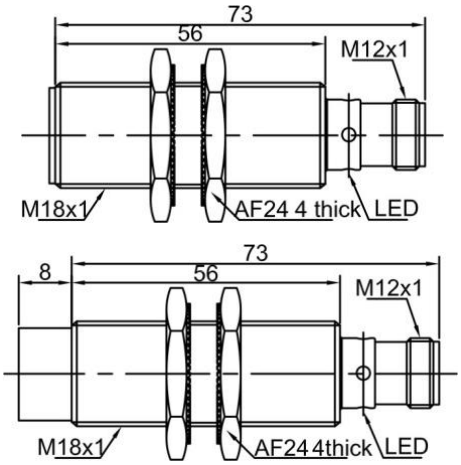
Part number

NPN	NO	LR18XCF05DNOG-E2	LR18XCN08DNOG-E2	PNP	NO	LR18XCF05DPOG-E2	LR18XCN08DPOG-E2
NPN	NC	LR18XCF05DNCG-E2	LR18XCN08DNCG-E2	PNP	NC	LR18XCF05DPCG-E2	LR18XCN08DPCG-E2

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…4mm0…6.4mm		Output indicator	Yellow LED
Dimensions	M18*73mm	M18*81mm	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	M12 connector

Dimensions



Wiring diagram

