

Standard function type inductive sensors LR05 series



Features

- ◆ Non contact detection, safe and reliable;
- ◆ ASIC design;
- ◆ Perfect choice for metallic targets detection;



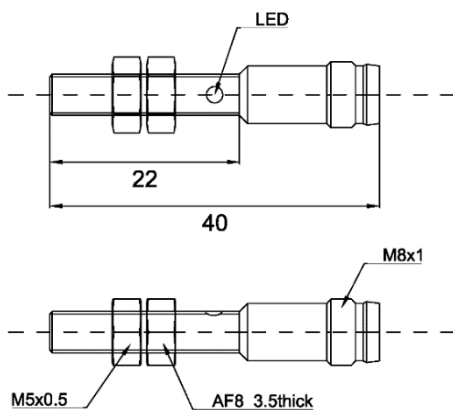
Part number

NPN NO	LR05AF08DNO-E1	PNP NO	LR05AF08DPO-E1
NPN NC	LR05AF08DNC-E1	PNP NC	LR05AF08DPC-E1

Technical specifications

Mounting	Flush	Current consumption	≤10mA
Rated distance [Sn]	0.8mm	Circuit protection	Reverse polarity protection
Assured distance [Sa]	0...0.64mm	Output indicator	Red LED
Dimensions	M5*40mm	Ambient temperature	-25°C...70°C
Output	NO/NC(depends on part number)	Ambient humidity	35-95%RH
Supply voltage	10...30 VDC	Switching frequency [F]	2000 Hz
Standard target	Fe 5*5*1t	Voltage withstand	...
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	≤100mA	Housing material	Stainless steel
Residual voltage	≤2.5V	Connection type	M8 connector

Dimensions



Wiring diagram

