

Metal cylindrical shape inductive sensors LR05 series



Features

- ◆ Extended sensing distance;
- ◆ ASIC design, safe and reliable;
- ◆ Perfect choice for metallic target detection;



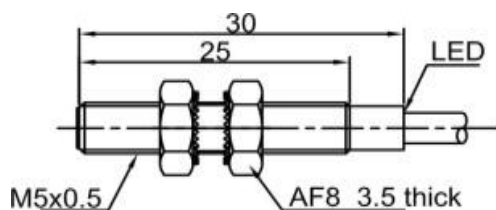
Part number

NPN NO	LR05AF15DNOY	PNP NO	LR05AF15DPOY
NPN NC	LR05AF15DNCY	PNP NC	LR05AF15DPCY

Technical specifications

Mounting	Flush	Current consumption	≤10mA
Rated distance [Sn]	1.5mm	Circuit protection	Reverse polarity
Assured distance [Sa]	0...1.2mm	Output indicator	RedLED
Dimensions	M5*30mm	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]	1200Hz
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	2m PUR cable

Dimensions



Wiring diagram

