

Metal cylindrical shape inductive sensors LR30X series



Features

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



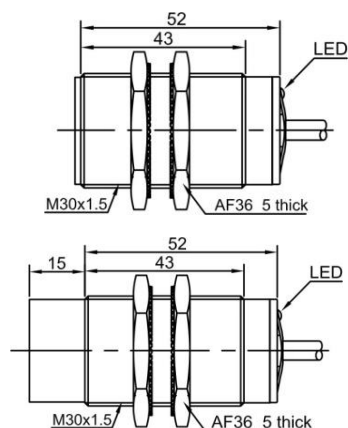
Part number

NPN NO	LR30XBF15DNOY	LR30XBN22DNOY	PNP NO	LR30XBF15DPOY	LR30XBN22DPOY
NPN NC	LR30XBF15DNKY	LR30XBN22DNKY	PNP NC	LR30XBF15DPCY	LR30XBN22DPCY
NPN NO+NC	LR30XBF15DNRY	LR30XBN22DNRY	PNP NO+NC	LR30XBF15DPRY	LR30XBN22DPRY

Technical specifications

Mounting	Quasi -flush	Non-flush	Current consumption	≤15mA
Rated distance [Sn]	15mm	22mm	Circuit protection	Short-circuit, overload, reverse polarity
Assured distance [Sa]	0...12mm	0...17.6mm	Output indicator	Yellow LED
Dimensions	M30*52mm	M30*67mm	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]	300 Hz 150 Hz
Standard target	Fe 45*45*1t	Fe 66*66*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

