

Metal cylindrical shape inductive sensors **LR12XA** series



Features

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



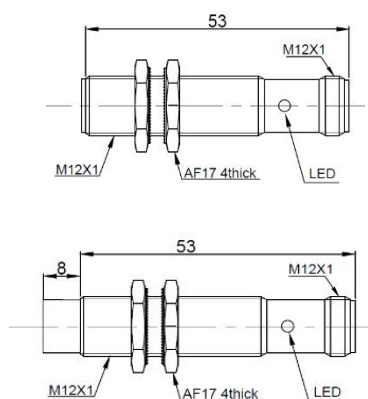
Part number

NPN NO	LR12XAF04DNOY-E2	LR12XAN08DNOY-E2	PNP NO	LR12XAF04DPOY-E2	LR12XAN08DPOY-E2
NPN NC	LR12XAF04DNCY-E2	LR12XAN08DNCY-E2	PNP NC	LR12XAF04DPCY-E2	LR12XAN08DPCY-E2

Technical specifications

Mounting	Flush	Non-flush	Leakage current [Ir]	≤15mA
Rated distance [Sn]	4mm	8mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...3.2mm	0...6.4mm	Output indicator	Yellow LED
Dimensions	M12*53mm	M12*61mm	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]	800Hz 500 Hz
Standard target	Fe 12*12*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

