

Analog output type inductive sensors **LR12X** series



Features

- ◆ Providing equivalent signal output along with target position;
- ◆ 0-10V, 0-20mA, 4-20mA analog output;
- ◆ Perfect choice for displacement and thickness measurement;



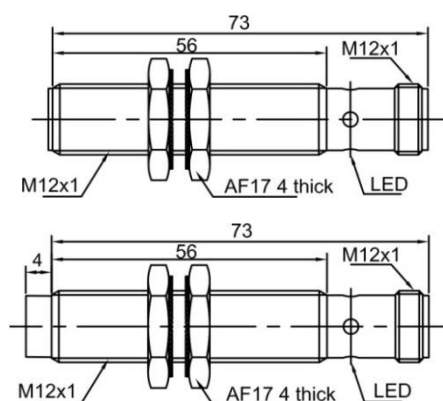
Part number

0-10V	LR12XCF02LUM-E2	LR12XCN04LUM-E2	4-20mA	LR12XCF02LI4M-E2	LR12XCN04LI4M-E2
0-20mA	LR12XCF02LIM-E2	LR12XCN04LIM-E2	0-10V + 0-20mA	LR12XCF02LIUM-E2	LR12XCN04LIUM-E2

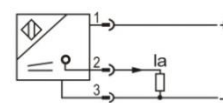
Technical specifications

Mounting	Flush	Non-flush	Current consumption	$\leq 20\text{mA}$	
Rated distance [Sn]	2mm	4mm	Circuit protection	Reverse polarity protection	
Sensing distance	0.4...2mm	0.8...4mm	Output indicator	Yellow LED	
Dimensions	M12*73mm	M12*77mm	Ambient temperature	$-25^{\circ}\text{C} \dots 70^{\circ}\text{C}$	
Output	Current, voltage or current+voltage		Ambient humidity	35...95%RH	
Supply voltage	15...30 VDC		Switching frequency [F]	200 Hz	100 Hz
Standard target	Fe 12*12*1t	Fe 12*12*1t	Voltage withstand	1000V/AC 50/60Hz 60s	
Switch-point drifts [%/Sr]	$\leq \pm 10\%$		Insulation resistance	$\geq 50\text{M}\Omega (500\text{VDC})$	
Linearity	$\leq \pm 5\%$		Vibration resistance	10...50Hz (1.5mm)	
Repeat accuracy [R]	$\leq \pm 3\%$		Degree of protection	IP67	
Load current	Voltage output: $\geq 4.7\text{K}\Omega$		Housing material	Nickel-copper alloy	
	Current output: $\leq 470\Omega$		Connection type	M12 connector	

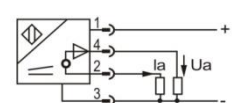
Dimensions



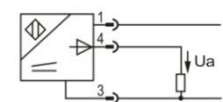
Wiring diagram



Current output



Current + Voltage output



Voltage output

