

Inductive sensor LR30XBF15DxxU-E2



Features

- ◆Factor 1 for all metals
- ◆Anti-magnetic field interference
- ◆Extended sensing distance,easy for position setting and target control
- ◆Adopt ASIC technology, more stable performance



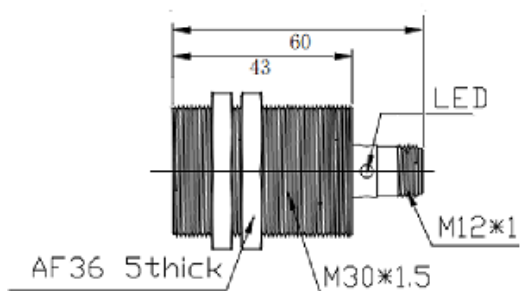
Part number

NPN NO	LR30XBF15DNOU-E2	PNP NO	LR30XBF15DPOU-E2
NPN NC	LR30XBF15DNCU-E2	PNP NC	LR30XBF15DPCU-E2

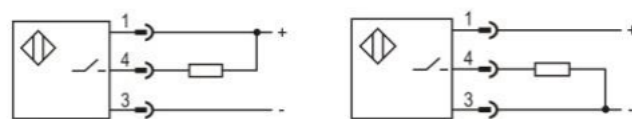
Technical specifications

Mounting	Flush	Consumption current	≤15mA
Rated distance Sn	15mm	Circuit protection	short circuit,overload,reverse polarity
Assured distance Sa	0...11.47mm	Output indicator	Yellow LED
Dimensions	M30*60mm	Ambient temperature	-40°C...70°C
Output	NO/NC(depends on part number)	Ambient humidity	35...95%RH
Supply voltage	10...30 VDC	Switching frequency	500 Hz
Standard target	Fe 45*45*1t	Special features	Factor 1 (iron,copper,aluminum,stainless steel attenuation < ±10%)
Switch-point drifts [%/Sr]	≤± 10%	Voltage withstand	1000V/AC 50/60Hz 60s
Hysteresis range [%/Sr]	3...20%	Insulation resistance	≥50MΩ (500VDC)
Repeat accuracy	≤5%	Vibration resistance	10...50Hz (1.5mm)
Load current	≤100mA	Degree of protection	IP67
Residual voltage	≤2V	Housing material	Nickel-copper alloy
Anti-magnetic field interference	100mT	Connection way	M12 connector
Temperature drift	<15%		

Dimensions

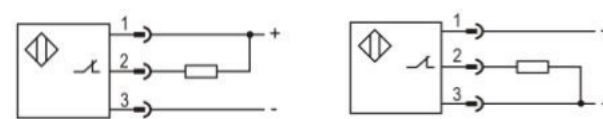


Wiring diagram



NPN NO

PNP NO



NPN NC

PNP NC

