

Inductive sensor LR12XBF04DxxU



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



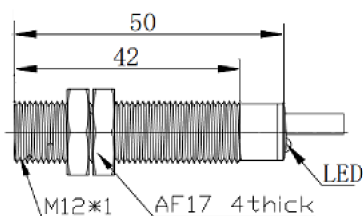
Part number

NPN NO	LR12XBF04DNOU	PNP NO	LR12XBF04DPOU
NPN NC	LR12XBF04DNCU	PNP NC	LR12XBF04DPCU

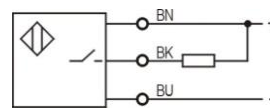
Technical specifications

Mounting	Flush	Consumption current	≤15mA
Rated distance Sn	4mm	Circuit protection	short circuit, overload, reverse polarity
Assured distance Sa	0...3.06mm	Output indicator	Yellow LED
Dimensions	M12*50mm	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	1000 Hz
Standard target	Fe 12*12*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	2m PVC cable
Temperature drift	<15%		

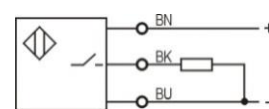
Dimensions



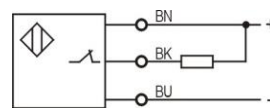
Wiring diagram



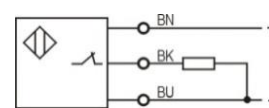
NPN NO



PNP NO



NPN NC



PNP NC