Inductive sensor LR30XBF15DxxU



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

CE

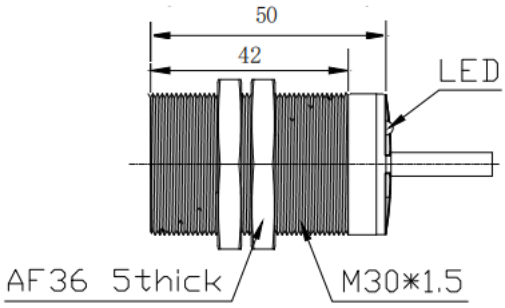
Part number

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

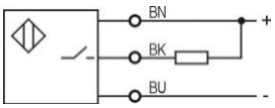
Technical specifications

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*50mm	Ambient temperature	-40℃…70℃
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	2m PVC cable
Temperature drift	<15%		

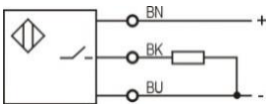
Dimensions



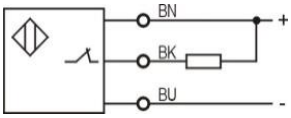
Wiring diagram



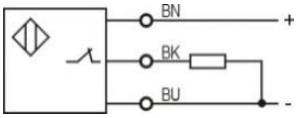
NPN NO



PNP NO



NPN NC



PNP NC

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