Plastic square shape inductive sensors **LE16** series



Features

◆Non contact detection, safe and reliable;
◆ASIC design;
◆Perfect choice for metallic targets detection;

CE

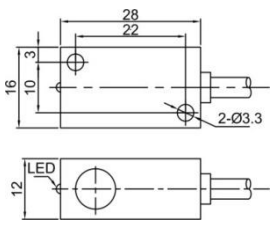
Part number

NPN	NO	LE16SF02DNO	LE16SN04DNO	PNP	NO	LE16SF02DPO	LE16SN04DPO
NPN	NC	LE16SF02DNC	LE16SN04DNC	PNP	NC	LE16SF02DPC	LE16SN04DPC

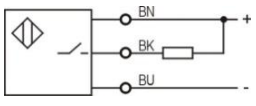
Technical specifications

Mounting	Flush	Non-flush	Current consumption	≤10mA	
Rated distance [Sn]	2mm	4mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0…1.6mm	0…3.2mm	Output indicator	Yellow LED	
Dimensions	12 *16 *28 mm		Ambient temperature	-25℃…70℃	
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH	
Supply voltage	10…30 VDC		Switching frequency [F]	1000 Hz	800Hz
Standard target	Fe 12*12*1tFe		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	PBT	
Residual voltage	⩽2.5V		Connection type	2m PVC cable	

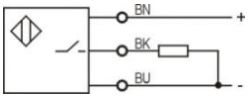
Dimensions



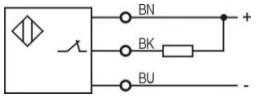
Wiring diagram



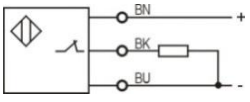
NPN NO



PNP NO



NPN NC



PNP NC