

Plastic square shape inductive sensors **LE10** series



Features

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



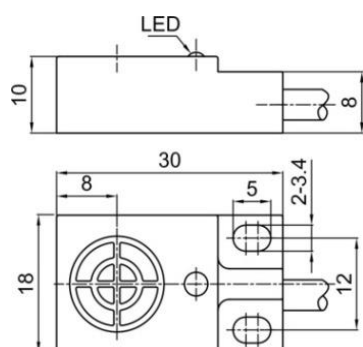
Part number

NPN NO	LE10SF05DNO	LE10SN08DNO	PNP NO	LE10SF05DPO	LE10SN08DPO
NPN NC	LE10SF05DNC	LE10SN08DNC	PNP NC	LE10SF05DPC	LE10SN08DPC

Technical specifications

Mounting	Flush	Non-flush	Current consumption	$\leq 10\text{mA}$	
Rated distance [Sn]	5mm	8mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0...4mm	0...6.4mm	Output indicator	Yellow LED	
Dimensions	10*18 *30 mm		Ambient temperature	$-25^{\circ}\text{C} \dots 70^{\circ}\text{C}$	
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 18*18*1t	Fe 24*24*1t	Voltage withstand	1000V/AC 50/60Hz 60s	
Switch-point drifts [%/Sr]	$\leq \pm 10\%$		Insulation resistance	$\geq 50\text{M}\Omega(500\text{VDC})$	
Hysteresis range [%/Sr]	1...20%		Vibration resistance	10...50Hz (1.5mm)	
Repeat accuracy [R]	$\leq 3\%$		Degree of protection	IP67	
Load current	$\leq 100\text{mA}$		Housing material	PBT	
Residual voltage	$\leq 2.5\text{V}$		Connection type	2m PVC cable	

Dimensions



Wiring diagram

