

Plastic square shape inductive sensors **LE40XZ** series



Features

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



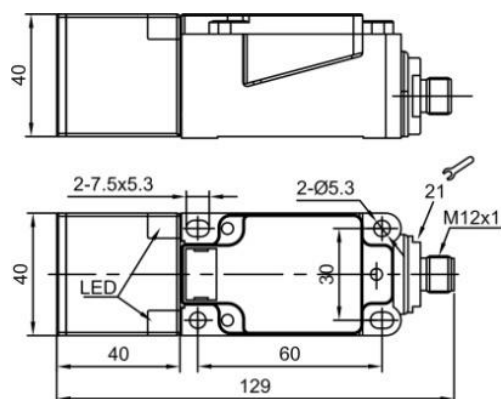
Part number

NPN NO	LE40XZSF15DNO-E2	LE40XZSN20DNO-E2	PNP NO	LE40XZSF15DPO-E2	LE40XZSN20DPO-E2
NPN NC	LE40XZSF15DNC-E2	LE40XZSN20DNC-E2	PNP NC	LE40XZSF15DPC-E2	LE40XZSN20DPC-E2
NPN NO+NC	LE40XZSF15DNR-E2	LE40XZSN20DNR-E2	PNP NO+NC	LE40XZSF15DPR-E2	LE40XZSN20DPR-E2

Technical specifications

Mounting	Flush	Non-flush	Current consumption	$\leq 10\text{mA}$	
Rated distance [Sn]	15mm	20mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0...12mm	0...16mm	Output indicator	Yellow LED	
Dimensions	40 *40 *129 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]	500 Hz	300 Hz
Standard target	Fe 45*45*1t	Fe 60*60*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	$\leq 200\text{mA}$		Housing material	PBT	
Residual voltage	$\leq 2.5\text{V}$		Connection type	M12 connector	

Dimensions



Wiring diagram

