Plastic square shape inductive sensors **LE80XZ** series



Features

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

CE

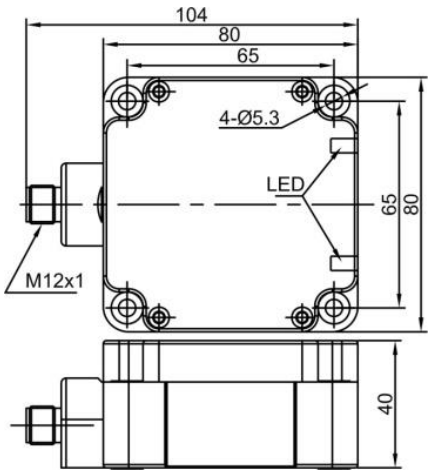
Part number

NPN	NO	LE80XZSF40DNO-E2	LE80XZSN50DNO-E2	PNP	NO	LE80XZSF40DPO-E2	LE80XZSN50DPO-E2
NPN	NC	LE80XZSF40DNC-E2	LE80XZSN50DNC-E2	PNP	NC	LE80XZSF40DPC-E2	LE80XZSN50DPC-E2
NPN	NO+NC	LE80XZSF40DNR-E2	LE80XZSN50DNR-E2	PNP	NO+NC	LE80XZSF40DPR-E2	LE80XZSN50DPR-E2

Technical specifications

Mounting	Flush	Non-flush	Current consumption	≤10mA	
Rated distance [Sn]	40mm	50mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0…32mm	0…40mm	Output indicator	Yellow LED	
Dimensions	40 *80 *104 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]	100 Hz	50 Hz
Standard target	Fe 120*120*1t	Fe 150*150*1t	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	M12 connector	

Dimensions



Wiring diagram

