Plastic square shape inductive sensors **LE80XZ** series



Features

- ◆ Extended sensing distance;
- ◆ ASIC design, safe and reliable;
- ◆ Perfect choice for metallic targt detection;
- ◆ Wide voltage range;

CE

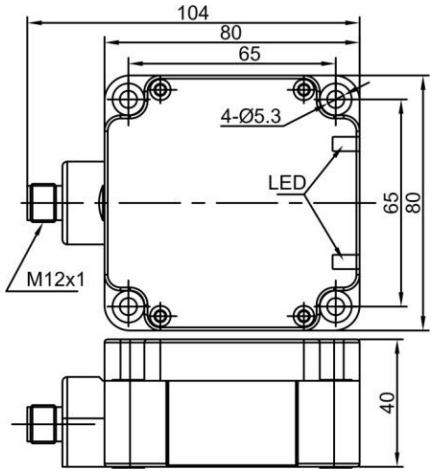
Part number

NPN	NO	LE80XZSF50ENOY-E2	LE80XZSN70ENOY-E2	PNP	NO	LE80XZSF50EPOY-E2	LE80XZSN70EPOY-E2
NPN	NC	LE80XZSF50ENCY-E2	LE80XZSN70ENCY-E2	PNP	NC	LE80XZSF50EPCY-E2	LE80XZSN70EPCY-E2
NPN	NO+NC	LE80XZSF50ENRY-E2	LE80XZSN70ENRY-E2	PNP	NO+NC	LE80XZSF50EPRY-E2	LE80XZSN70EPRY-E2

Technical specifications

Mounting	Quasi -flush	Non-flush	Current consumption	≤10mA	
Rated distance [Sn]	50mm	70mm	Circuit protection	Short-circuit, overload, and reverse polarity	
Assured distance [Sa]	0…40mm	0…56mm	Indicator	Yellow LED	
Dimensions	40mm *80mm*104mm		Ambient temperature	-25℃…70℃	
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH	
Supply voltage	10…60 VDC		Switching frequency [F]	50 Hz	30 Hz
Standard target	Fe 150*150*1t	Fe 210*210*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

