Plastic square shape inductive sensors **LE40SZ** series



Features

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

CE

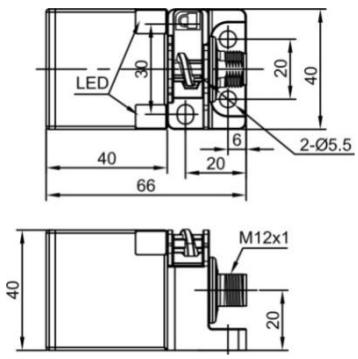
Part number

NPN	NO	LE40SZSF20ENOY-E2	LE40SZSN40ENOY-E2	PNP	NO	LE40SZSF20EPOY-E2	LE40SZSN40EPOY-E2
NPN	NC	LE40SZSF20ENCY-E2	LE40SZSN40ENCY-E2	PNP	NC	LE40SZSF20EPCY-E2	LE40SZSN40EPCY-E2
NPN	NO+NC	LE40SZSF20ENRY-E2	LE40SZSN40ENRY-E2	PNP	NO+NC	LE40SZSF20EPRY-E2	LE40SZSN40EPRY-E2

Technical specifications

Mounting	Quasi -flush	Non-flush	Current consumption	≤10mA
Rated distance [Sn]	20mm	40mm	Circuit protection	Short-circuit, overload, and reverse polarity
Assured distance [Sa]	0…16mm	0…32mm	Indicator	Yellow LED
Dimensions	40mm *40mm *66mm		Ambient temperature	-25℃…70℃
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH
Supply voltage	10…60 VDC		Switching frequency [F]	200 Hz 100 Hz
Standard target	Fe 75*75*1t	Fe 120*120*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

