Metal square shape inductive sensors **LE84** series



Features

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

CE

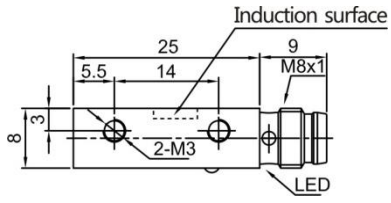
Part number

NPN	NO	LE84VF15DNO-E1	PNP	NO	LE84VF15DPO-E1
NPN	NC	LE84VF15DNC-E1	PNP	NC	LE84VF15DPC-E1

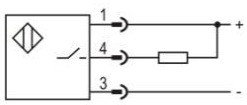
Technical specifications

Mounting	Flush	Current consumption	≤10mA
Rated distance [Sn]	1.5mm	Circuit protection	Reverse polarityprotection
Assured distance [Sa]	0…1.2mm	Output indicator	Yellow LED
Dimensions	8 *8 *34 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]	2000 Hz
Standard target	Fe 8*8*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	≤100mA	Housing material	Aluminum alloy
Residual voltage	≤2.5V	Connection type	M8 connector

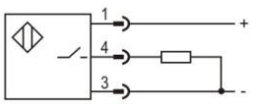
Dimensions



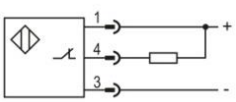
Wiring diagram



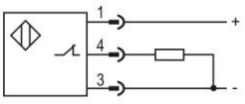
NPN NO



PNP NO



NPN NC



PNP NC

