Plastic square shape inductive sensors **LE40ES-F2** high protection series



Features

- Non contact detection, safe and reliable;
- ASIC design;
- High protection level up to IP68;
- Wide working temperature range, more flexible application.

CE

Part number

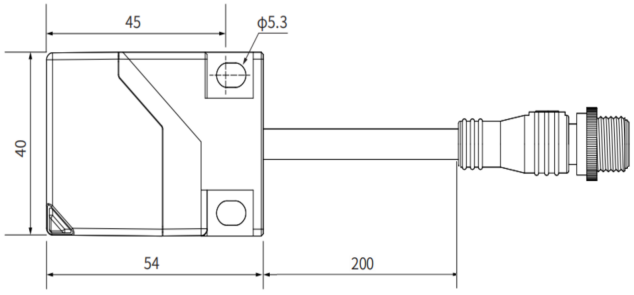
NPN	NO	LE40ESF20DNOY-F2	LE40ESN40DNOY-F2	PNP	NO	LE40ESF20DPOY-F2	LE40ESN40DPOY-F2
NPN	NC	LE40ESF20DNCY-F2	LE40ESN40DNCY-F2	PNP	NC	LE40ESF20DPCY-F2	LE40ESN40DPCY-F2
NPN	NO+NC	LE40ESF20DNRY-F2	LE40ESN40DNRY-F2	PNP	NO+NC	LE40ESF20DPRY-F2	LE40ESN40DPRY-F2

Technical specifications

Mounting	Flush	Non-flush	Current consumption	≤15mA	
Rated distance [Sn]	20mm	40mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0…15.3mm	0…30.6mm	Output indicator	Power：Green LED；Output：Yellow LED	
Dimensions	40 *40 *54mm		Ambient temperature	-40℃…85℃	
Output	NO/NC (depends on part number)		Ambient humidity	35-95%RH	
Supply voltage	10…30 VDC		Switching frequency [F]	200 Hz	100Hz
Standard target	Fe 60*60*1t	Fe 120*120*1t	Voltage withstand	1000V/AC 50/60Hz 60s	
Switch-point drifts [%/Sr]	±10%		Insulation resistance	≥50MΩ(500VDC)	
Hysteresis range [%/Sr]	3…15%		Vibration resistance	10…50Hz (1.5mm)	
Repeat accuracy [R]	≤5%		Degree of protection	IP68①	
Load current	≤200mA		Housing material	PC	
Residual voltage	≤2V		Connection type	0.2m PUR cable+M12 connector	

Note: ① IP68 test condition--100kpa water pressure (≈10m water depth) for 2 hours.

Dimensions



Wiring diagram

