

Plastic square shape capacitive sensors **CE07** series


Features

- ◆ Be able to detect both metal and nonmetal objects;
- ◆ Be able to detect various media via nonmetallic container;
- ◆ Reliable liquid level detecting;



Part number						
NPN NO	CE07SF05DNO	CE07SN08DNO	PNP NO	CE07SF05DPO	CE07SN08DPO	
NPN NC	CE07SF05DNC	CE07SN08DNC	PNP NC	CE07SF05DPC	CE07SN08DPC	

Technical specifications					
Mounting	Flush	Non-flush	Consumption current	≤15mA	
Rated distance [Sn]	5mm	8 mm	Circuit protection	Reverse polarity protection	
Assured distance [Sa]	0...4mm	0...6.4mm	Output indicator	Yellow LED	
Dimensions	30*50*7mm		Ambient temperature	-10℃...55℃	
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH	
Supply voltage	10...30 VDC		Switching frequency [F]	60 Hz	
Standard target	Fe15*15*1t	Fe24*24*1t	Voltage withstand	1000V/AC 50/60Hz 60S	
Switch-point drifts [%/Sr]	≤±20%		Insulation resistance	≥50MΩ (500VDC)	
Hysteresis range [%/Sr]	3...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	2m PVC cable	

Dimensions	Wiring diagram