

CQ32X Capacitive Sensor



Feature description

- IP67, effective against moisture and dust;
- Longer sensing distance, higher adjustment accuracy by using multi-turn potentiometer;
- Excellent EMC design, high reliability
- Widely used in metal and non-metal (plastic, powder, liquid, etc.) material detection.



Item code

AC 5 wire NO+NC	CQ32XSCF15AK	Delay time	No delay function
AC 5 wire NO+NC	CQ32XSCF15AK -T1	Delay time	On-delay 600s
AC 5 wire NO+NC	CQ32XSCF15AK -T2	Delay time	Off-delay 600s

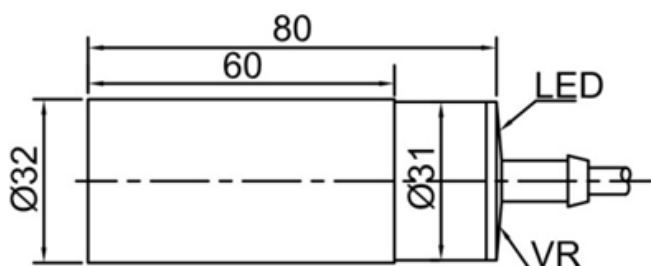
Specifications

Mounting	Quasi-flush	Indicator	Output : Yellow LED
Rated distance Sn	15mm	Ambient temperature	Working : -25...70°C (No icing and condensation)
Assured distance Sa	0-10.8mm		Storage : -30...80°C (No icing and condensation)
Adjustable distance	4...20mm	Ambient humidity	35...95%RH (No icing and condensation)
Adjustment method	Multi-turn potentiometer (Electrical regulation > 10 turns)	Vibration resistant	10...55Hz , double amplitude 1mm (2 hours per X, Y, Z direction)
Standard target	Φ 45*1t St45 (grounded)	Shock resistant	30g/11ms , 3 times per X, Y, Z direction
Supply voltage	20...250V AC	Voltage withstand	1000V/AC 50/60Hz 60s
Load current	≤2A	Insulation resistance	≥50MΩ (500VDC)
Current	20VAC : <25mA 250VAC : 5mA	Shape size	φ32*80mm
Switch point offset [%/Sr]	≤±10%	Protection degree	IP67
Temperature drift [%/Sr]	≤±20%	Housing material	PC/PBT
Hysteresis range [%/Sr]	3...20%	Connection	2m PVC cable
Repeated error [R]	≤5%		

Note : ①The factory default sensing distance is Sn±10%

②Unit: mm

Dimension



Wiring

