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.

CE UK CA

Item code

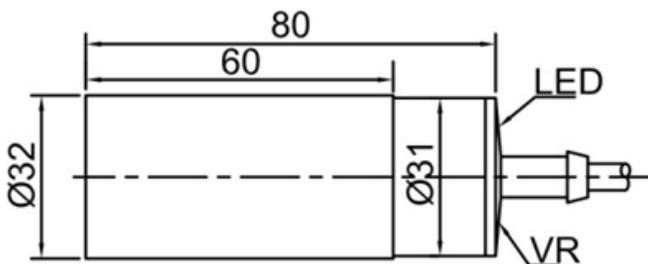| AC 5 wire NO+NC	CQ32XSCF15AK	Delay time	No delay function
AC 5 wire NO+NC	CQ32XSCF15AK -T1	Delay time	On-delay 600s
AC 5 wire NO+NC	CQ32XSCF15AK -T2	Delay time	Off-delay 600s

Specifications

Mounting	Quasi-flush	Indicator	Output : Yellow LED
Rated distance Sn	15mm	Ambient temperature	Working : -25…70℃ (No icing and condensation)
Assured distance Sa	0-10.8mm		Storage : -30…80℃ (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

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