Plastic cylindrical shape capacitive sensors **CQ32S** series

Features

◆ Be able to detect both metal and nonmetal objects;

◆ Be able to detect various media via nonmetallic container;
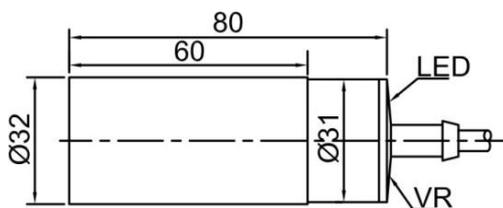
◆ Reliable liquid level detecting;

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Part number

AC/DC 2 wires NO	CQ32SCN20SBO	AC/DC 2 wires NO	CQ32SCN20SBC

Technical specifications

Mounting	Non-flush	Leakage current [Ir]	AC:≤3mA	DC:≤1mA
Rated distance [Sn]	20mm (adjustable)	Circuit protection	… …	
Assured distance [Sa]	0…16mm	Output indicator	Yellow LED	
Dimensions	Φ32*80 mm	Ambient temperature	-25℃…70℃	
Output	NO/NC (depends on part number)	Ambient humidity	35-95%RH	
Supply voltage	20…250 VAC/DC	Switching frequency [F]	AC: 15 Hz	DC:40Hz
Standard target	Fe 60*60*1t	Voltage withstand	2000V/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	AC:≤300mA DC:≤100mA	Housing material	PBT	
Residual voltage	AC:≤10V DC:≤8V	Connection type	2m PVC cable	

Dimensions

Wiring diagram

NO

NC