

Plastic cylindrical shape capacitive sensors **CQ20S** 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

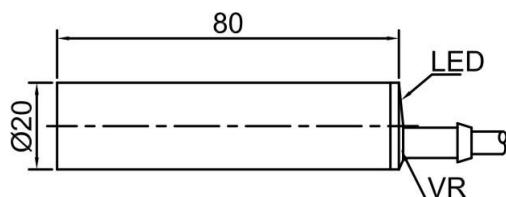
AC2 wires NO CQ20SCF10ATO CQ20SCN15ATO

AC2 wires NC CQ20SCF10ATC CQ20SCN15ATC

Technical specifications

Mounting	Flush	Non-flush	Leakage current [Ir]	≤3mA
Rated distance [Sn]	10mm (adjustable)	15mm (adjustable)	Circuit protection	
Assured distance [Sa]	0...8mm	0...12mm	Output indicator	Yellow LED
Dimensions	Φ20*80mm		Ambient temperature	-25℃...70℃
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH
Supply voltage	20...250 VAC		Switching frequency [F]	15 Hz
Standard target	Fe30*30*1t	Fe45*45*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	≤300mA		Housing material	PBT
Residual voltage	≤10V		Connection type	2m PVC cable

Dimensions



Wiring diagram

