

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;

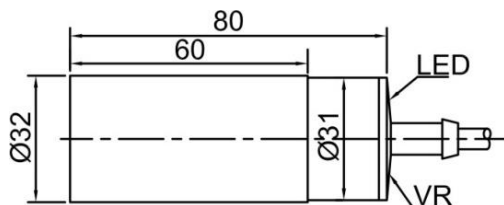
Part number

NPN NO	CQ32SCF15DNO	CQ32SCN20DNO	PNP NO	CQ32SCF15DPO	CQ32SCN20DPO
NPN NC	CQ32SCF15DNC	CQ32SCN20DNC	PNP NC	CQ32SCF15DPC	CQ32SCN20DPC
NPN NO+NC	CQ32SCF15DNR	CQ32SCN20DNR	PNP NO+NC	CQ32SCF15DPR	CQ32SCN20DPR

Technical specifications

Mounting	Flush	Non-flush	Consumption current	≤15mA
Rated distance [Sn]	15mm (adjustable)	20mm (adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...12mm	0...16mm	Output indicator	Yellow LED
Dimensions	Φ20*80mm	Φ20*80mm	Ambient temperature	-25°C...70°C
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH
Supply voltage	10...30 VDC		Switching frequency [F]	50 Hz
Standard target	Fe 45*45*1t	Fe 60*60*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

