Metal cylindrical shape capacitive sensors **CQ20G** series



Features

- ◆ Be able to detect both metal and nonmetal objects;
- ◆ Be able to detect various media via nonmetallic container;
- ◆ Reliable liquid level detecting;

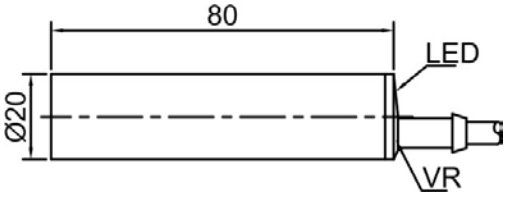
Part number

NPN	NO	CQ20GCF10DNO	PNP	NO	CQ20GCF10DPO
NPN	NC	CQ20GCF10DNC	PNP	NC	CQ20GCF10DPC
NPN	NO+NC	CQ20GCF10DNR	PNP	NO+NC	CQ20GCF10DPR

Technical specifications

Mounting	Flush	Consumption current	≤15mA
Rated distance [Sn]	10mm (adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0…8mm	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	10…30 VDC	Switching frequency [F]	50 Hz
Standard target	Fe30*30*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	Stainless steel
Residual voltage	≤2.5V	Connection type	2m PVC cable

Dimensions



Wiring diagram

