

Capacitive sensors **CE10** series for pipeline liquid level detecting



Features

- ◆ U type design for easier installation and detection
- ◆ Be able to detect various media via nonmetallic container;
- ◆ Widely applied in container detecting;

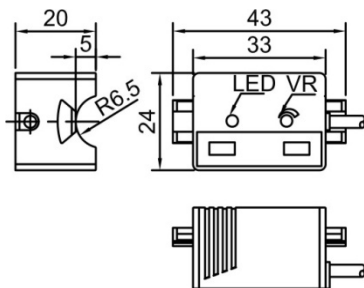
Part number

NPN NO	CE10SN13DNO	PNP NO	CE10SN13DPO
NPN NC	CE10SN13DNC	PNP NC	CE10SN13DPC

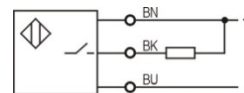
Technical specifications

Mounting	Non-flush	Consumption current	≤15mA
Rated distance [Sn]	Circuit protection	Short-circuit, overload and Reverse polarity
Assured distance [Sa]	Output indicator	Yellow LED
Dimensions	43*24*20mm	Ambient temperature	-10°C...55°C
Output	NO/NC(depends on part number)	Ambient humidity	35-95%RH
Supply voltage	10...30 VDC	Switching frequency [F]	60 Hz
Applicable pipeline	Non-metal, O. D.: $\varnothing 8...11$; Wall thickness ≤ 1.0 mm	Voltage withstand	500V/AC 50/60Hz 60S
Switch-point drifts [%/Sr]	$\leq \pm 20\%$	Insulation resistance	$\geq 50M\Omega$ (500VDC)
Hysteresis range [%/Sr]	3...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	$\leq 3\%$	Degree of protection	IP67
Load current	≤ 200 mA	Housing material	PBT
Residual voltage	≤ 2.5 V	Connection type	2m PVC cable

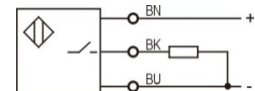
Dimensions



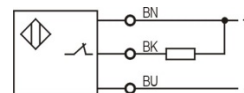
Wiring diagram



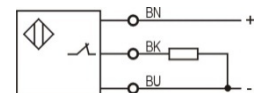
NPN NO



PNP NO



NPN NC



PNP NC