

Capacitive sensor CE16 series



Feature Description

- Detect metal and non-metal materials, with a wider range of applications;
- Response frequency up to 100Hz;
- Quick and precise adjustment of sensitivity through multi turn potentiometers.



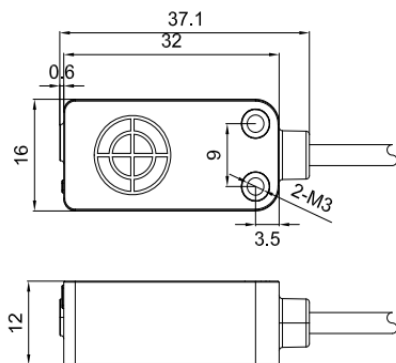
Part number

NPN NO	CE16SN06DNOG	PNP NO	CE16SN06DPOG
NPN NC	CE16SN06DNCG	PNP NC	CE16SN06DPCG

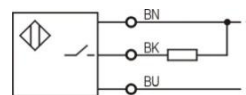
Specification

Mounting	nonflush	Load current	$\leq 150\text{mA}$
Rated distance	6mm	Residual voltage	$\leq 2.5\text{V}$
Adjustable distance	3..6mm	Current consumption	$\leq 8\text{mA}$
Adjustment method	Multi turn potentiometer	Protection circuit	Short circuit, overload, reverse polarity protection
Shape size	12*16*37.1mm	Output indicator	Yellow LED
Output	NPN/PNP NO/NC	Switching frequency	$\geq 100\text{Hz}$
Supply voltage	10..30VDC	Vibration resistance	Complex amplitude 1.5mm10..50Hz(2hrs per X,Y,Z direction)
Standard target	St 4525*25*1t (Grounded)	Impulse resistance	30G/11ms, 3 times per X,Y,Z direction
Switch point offset	$\leq \pm 10\%$	Protection level	IP67
Hysteresis	3..20%	Housing material	ABS
Repeated error	$\leq 6\%$	Connection	2m PVC cable

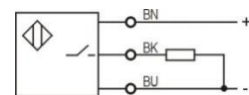
Dimension



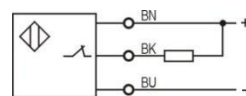
Wiring



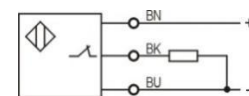
NPN NO



PNP NO



NPN NC



PNP NC