

# ZC130□, ZC153□

Products compliant with the EMC Directive



## Solid State Type Sensor Switch

### Applicable cylinders

- Knock cylinders double acting type ● Multi mount cylinders ● Pen cylinders ● DYNA cylinders ● SD cylinders ● TDA  $\phi$  6 [0.236in.]
- AMT ● ARTB ● ACY (For the intermediate stopper) ● ORV ● ORK  $\phi$  16 [0.630in.] ● RAP ● RAN ● Swing cylinders ● Air Hands CHDUL
- SHM

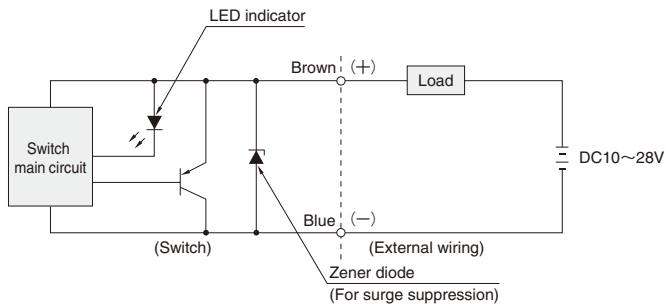
### Specifications

Item	Model	ZC130□	ZC153□
Wiring type		2-lead wire	3-lead wire
Power supply voltage		—	DC4.5~28V
Load voltage		DC10~28V	DC4.5~28V
Load current		4~50mA	100mA MAX.
Consumption current		—	10mA MAX. (DC24V)
Internal voltage drop <sup>Note 1</sup>		3.5V MAX.	0.5V MAX. (At 50mA load current)
Leakage current		1mA MAX. (DC24V)	50 $\mu$ A MAX. (DC24V)
Response time		1ms MAX.	
Insulation resistance		100M $\Omega$ MIN. (At DC500V Megger, between case and lead wire end)	
Dielectric strength		AC500V (50/60Hz) in 1 minute (Between case and lead wire end)	
Shock resistance <sup>Note 2</sup>		294.2m/s <sup>2</sup> [30G] (Non-repeated shock)	
Vibration resistance <sup>Note 2</sup>		88.3m/s <sup>2</sup> [9G] (Total amplitude 1.5mm [0.06in.], 10~55Hz)	
Environmental protection		IP67 (IEC standard), JIS C0920 (Water-proof type)	
Operation indicator		When ON: Red LED indicator lights up	
Lead wire <sup>Note 3</sup>		PVC 0.2SQ×2-lead× $\ell$	PVC 0.2SQ×3-lead× $\ell$
Ambient temperature		0~60°C [32~140°F]	
Storage temperature range		-10~70°C [14~158°F]	
Mass		20g [0.71oz.] (For lead wire length A: 1000mm)	

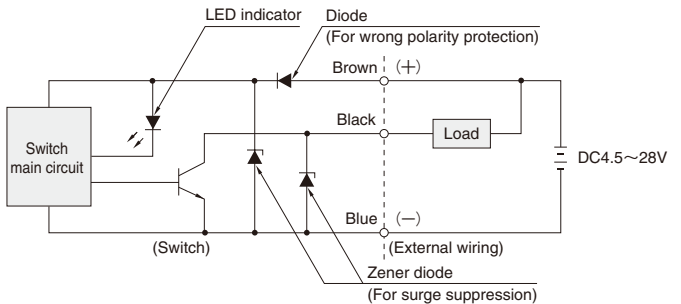
- Notes: 1. The internal voltage drop depends on load current.  
 2. Measured by Koganei test standard.  
 3. Lead wire length  $\ell$  : A; 1000mm [39in.], B; 3000mm [118in.]

### Internal Circuit

#### ZC130□

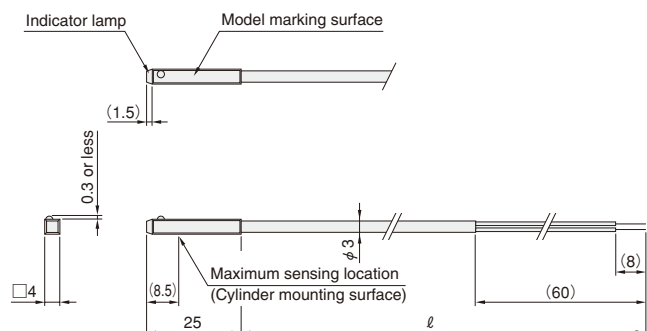


#### ZC153□



### Dimensions (mm)

#### ZC130□



#### ZC153□

