

ZG530□, ZG553□



Solid State Type Sensor Switch

Applicable cylinders

- Slim cylinders ● Twinport cylinders ● GA ● ORC ● ORCA ● ORGA ● ORK^{Note} ● MRG ● RAK
- Swing cylinders ● Twist cylinders

Note: Excluding ORK ϕ 16 [0.630in.].

Specifications

Item	Model	ZG530□	ZG553□
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 ^{Note 1}		4.5V MAX.	0.5V MAX. (At 50mA load current)
Leakage current		1mA MAX. (DC24V at 25°C [77°F])	50μA MAX. (DC24V)
Response time		1ms MAX.	
Insulation resistance		100MΩ 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 ^{Note 2}		294.2m/s ² [30G] (Non-repeated shock)	
Vibration resistance ^{Note 2}		88.3m/s ² [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 ^{Note 3}		PVC 0.2SQ×2-lead×ℓ	PVC 0.2SQ×3-lead×ℓ
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.

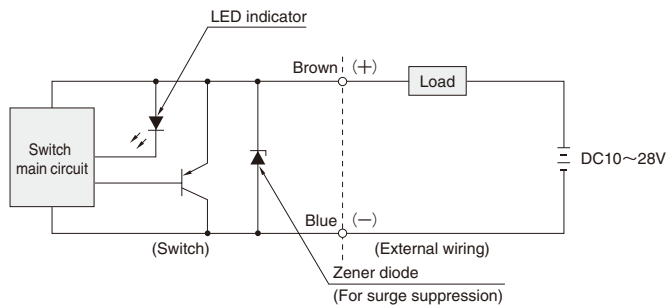
2. Measured by Koganei test standard.

3. Lead wire length ℓ : A; 1000mm [39in.], B; 3000m [118in.]

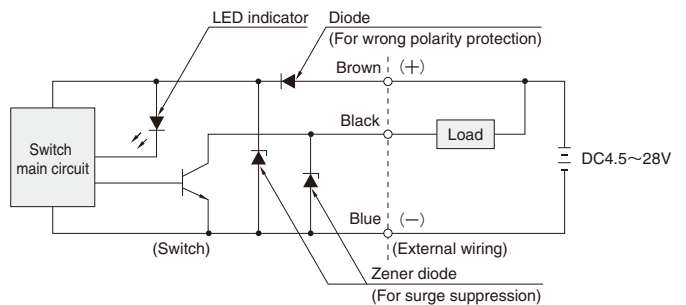
※ This product is not resistant to lightning surge of the EMC standard (EN61000-6-2 · EN60947-5-2).
Prepare protection measures for lightning surge in the system.

Internal Circuit

ZG530□

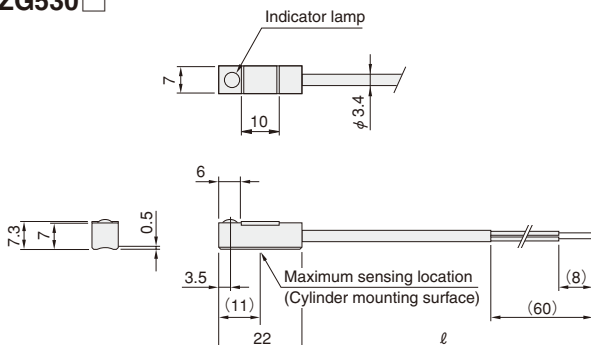


ZG553□



Dimensions (mm)

ZG530□



ZG553□

