

ZC630 □, ZC653 □



Solid State Type Sensor Switch

Applicable cylinders

- Axis cylinders

Specifications

| Item | Model | ZC630 □ | ZC653 □ |
|---|-------|--|----------------------------------|
| 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. (DC24V) |
| Consumption current | | — | 10mA MAX. (DC24V) |
| Internal voltage drop ^{Note 1} | | 3.5V MAX. | 0.5V MAX. (At 50mA load current) |
| Leakage current | | 1mA MAX. (DC24V) | 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 X 2-lead X ℓ | PVC 0.2SQ X 3-lead X 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.

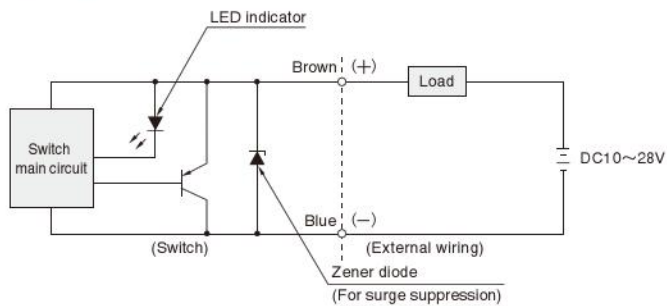
3. Lead wire length ℓ : A; 1000mm [39in.], B; 3000m [118in.]

※ This product is not resistant to lightning surge of the EMC standard (EN61000-6-2 · EN60947-5-2).

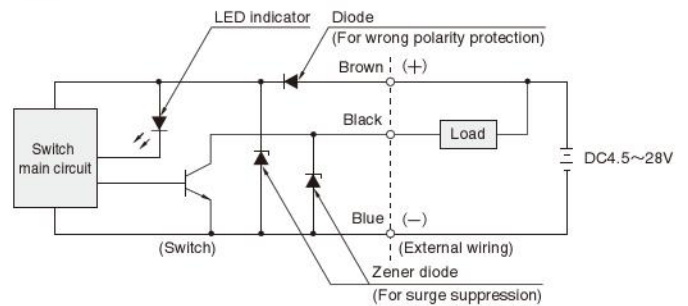
Prepare protection measures for lightning surge in the system.

Internal Circuit

ZC630 □

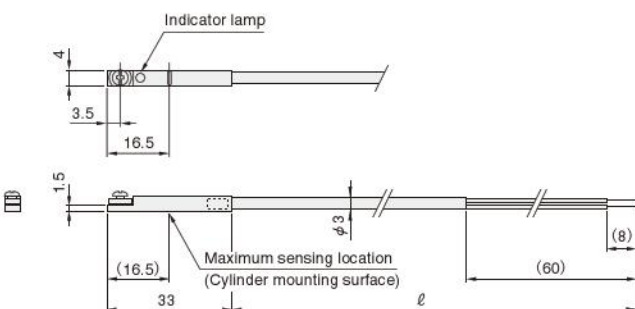


ZC653 □



Dimensions (mm)

ZC630 □



ZC653 □

