

ZCN-500 series

Limit switch

- Gap of installation cutout dimension is same as micro switch (HY-P700)
- Certain operation and long life expectancy by applying Beryllium copper and running spring to the strong chemical resistance case.
- Compact size and light weight. (Strong mechanical durability)
- 9 types of actuators which provide wide usages
- Less force required to run the operation comparing to the normal limit switch.
- Excellent sealing



●○ Specification

Contact structure	M4 screw tightening, 1c contact	
Contact material	AgCdO	
Protective structure	IP 54	
Rated current(Ie)	10 A 250 V a.c	
Dielectric strength	2,000 V a.c 50/60 Hz for 1 min (between the terminal and non-recharging metal part)	
Insulation resistance	Min 100 M Ω (500 V d.c insulated ohmmeter)	
Contact resistance	Max 50 M Ω (default value)	
Rated voltage(Ue)	250 V a.c	
Actuator intensity	5 times larger than O.F (force required to operate), operating direction 1 min	
Vibration	Double amplitude 1.5 mm, frequency 10 ~ 55 Hz, continuously 2 hour	
Shock	1,000 % (durability), 300 % (malfunction)	
Allowable operation speed	0.1 ~ 1 % (without damaging the actuator)	
Life expectancy	Mechanical	Min 1 million times (less than open/close frequency 120 times/min)
	Electrical	Min 300 thousand times (less than open/close frequency 20 times/min)
Ambient temperature	-10 ~ 80 °C	
Ambient humidity	25 ~ 95 % R.H.	
Weight	Approx 1010 g (10 ZCN-PR508H 1 box)	

●○ Terminal arrangement

Appearance	Connection diagram