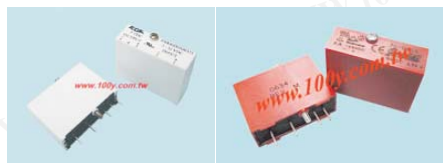




# Relays & Solenoids

## Plug-In Interface DC To DC Solid State Relays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



ESR8ID

ESR8OD

### FEATURES

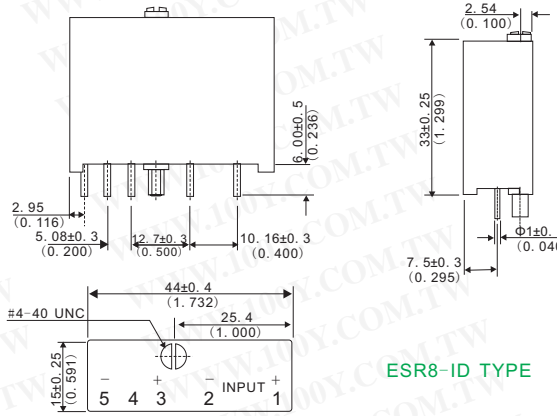
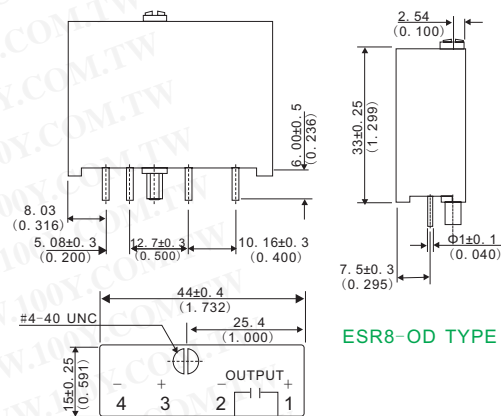
- Optically Isolated.
- Micro-computer/TTL /CMOS Compatible
- Zero Voltage Turn-on, Zero Current Turn-off (Minizes Emi/Pfz) (AC Output).
- Output Snubber Circuit Protection.
- Compatible With 5, 15, 24 Volt Logic Systems.
- Industry Standard Package and Pin-out.

### SPECIFICATIONS (OUTPUT CONTROL)

DESCRIPTION	TYPES	ESR8OD	
		0530601	1530601 2430601
Zero-on or Random-on		R	
Max. Turn-on Time		50µs	
Max. Turn-off Time		100µs	
Insulation Resistance		DC 500V 10 <sup>8</sup> Ω Min. (Between Input & Output, Input / Output & Case)	
Dielectric Strength		3.5K VAC (Between Input & Output)	
Capacitance		10pF Max. (Between Input & Output)	
Operating Temperature		-20°C~+80°C	
Storage Temperature		-40°C~+100°C	

### SPECIFICATIONS (INPUT CONTROL)

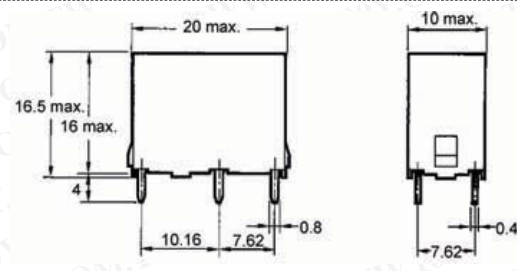
DESCRIPTION	TYPES	ESR8ID	
		0500321	1500321 2400321
Max. Turn-on Time		1.0ms	
Max. Turn-off Time		1.0ms	
Insulation Resistance		DC 500V 10 <sup>8</sup> Ω Min. (Between Input & Output, Input / Output & Case)	
Dielectric Strength		3.5K VAC (Between Input & Output)	
Capacitance		10pF Max. (Between Input & Output)	
Operating Temperature		-20°C~+80°C	
Storage Temperature		-40°C~+100°C	



Part No.	Product No.	Manufacturer	Description	Vin	Irms	Vrms	Switching Type
34675	ESR8ID0500321	ECE	DC-DC SS R	3~32Vdc			Random-on
38079	ESR8ID1500321	ECE	DC-DC SSR	3~32Vdc			Random-on
38080	ESR8ID2400321	ECE	DC-DC SSR	3~32Vdc			Random-on
34672	ESR8OD0530601	ECE	DC-DC SSR	5Vdc	3A	60Vdc	Random-on
37494	ESR8OD1530601	ECE	DC-DC SSR	15Vdc	3A	60Vdc	Random-on
34673	ESR8OD2430601	ECE	DC-DC SSR	24Vdc	3A	60Vdc	Random-on

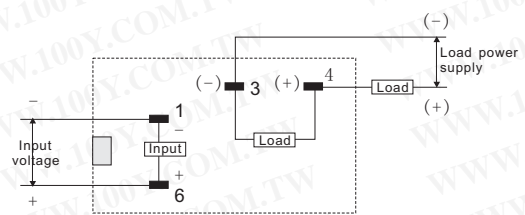


- Ultra-small, dual in-line package (DIP) SSR.
- Terminals compatible with G6B Electromagnetic Relay's.
- Mix with G6Bs as the application requires.
- Close side-by-side mounting possible. In addition, heat sink dedicated to this mounting style also available.
- Both AC- and DC-load versions available.
- High isolation of 2,500 VAC between input and output freeing inputs from noise surge generated in the load.
- Built-in varistor effectively absorbs external surges. (In case of SSR for AC switching.)
- Approved by UL and CSA.



### Characteristics

Item	G3SD-Z01P/Z01P-PD
Release time	1 ms max.
Output ON voltage drop	1.5 V max.
Leakage current	0.1 mA max. (at 26 VDC)
Insulation resistance	100 M min. (at 500 VDC)
Dielectric strength	2,500 VAC, 50/60 Hz for 1 min
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction: 1,000 m/s <sup>2</sup>
Ambient temperature	Operating: -30°C to 80°C (with no icing or condensation) Storage: -30°C to 100°C (with no icing or condensation)
Ambient humidity	Operating: 45% to 85%
Approved standards	UL508 File No. E64562/CSA C22.2 (No.0, No.14) File No. Lr35535
Weight	Approx. 13 g



Part No.	Product No.	Manufacturer	Description	Vin	Irms	Vrms
39007	G3SD-Z01P-PD-DC24V	OMRON	OMRON_G3SD Solid State Relay	24VDC	1.1A	4~24VDC



T E L : Taiwan : 886-3-5753170  
 F A X : Taiwan : 886-3-5753172  
 E-mail : Taiwan : [us\\_sale@100y.com.tw](mailto:us_sale@100y.com.tw)

Shenzhen : 86-755-83298787  
 Shenzhen : 86-755-83640655  
 Shenzhen : 100y@163.com

Shanghai : 86-21-54151736  
 Shanghai : 86-21-64605107  
 Shanghai : 100y-1@163.com