

>>> Mid-power SSR

Mid-power SSR 4F-8M Module



Product

- 8-channels relay module
- SIP mount
- Load Current: 5A
- Dielectric strength: 3000VAC
- Trigger mode: zero-cross and Non zero-cross

Ordering Reference

YS-4F-□ / □ □ □

Number of channels for the relay

8M: 8 channels

Load voltage

3: 24~440VAC

Load current

05: 5A

Trigger mode: zero-cross and

P: Non zero-cross

T: Zero-cross

Application

- Household appliances, such as air conditioner, humidifier
- Medical treatment and medical devices
- CNC machine, robot machine, etc.

Model/Package

Model / Specification		Off-state peak voltage	Number of channels	Package
Non zero-cross	Zero-cross			
YS-4F-8M/350P	YS-4F-8M/350Z	800V	8 channels	1pcs/box

Technical parameters

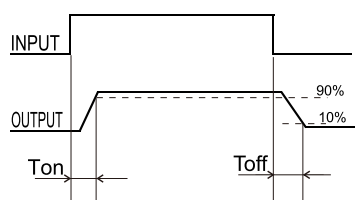
■ Max rated parameters (Environment temperature : 25°C)

Item		Symbol	15D-305	32D-305	Unit
Input	Work voltage		4~15	15~32	V
	Turn-on voltage	V_{TON}	4	4	V
	Turn-off voltage	V_{TOFF}	1	1	V
Output	On-state RMB current	$I_{T(RMS)}$	5	5	A
	Surge current(10ms)	I_{TSM}	80	80	A
	Repetitive peak off-state voltage	V_{DRM}	800		V_{PK}
Dielectric voltage	Input-output	V_{iso}	3000		VAC
Temperature	Work temperature	T_{opr}	-30~80		°C
	Storage temperature	T_{stg}	-40~100		°C

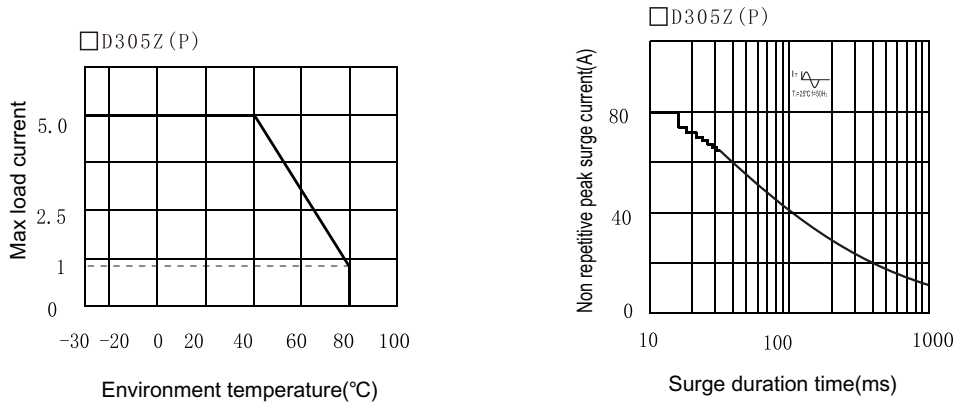
■ Electric parameters (Environment temperature 25°C)

Item		Symbol	Test condition	Min	Typical	Max	Unit
Input	Max input current	I_{max}	$V_{in} = Max$			25	mA
	Input resistance	R_{in}	15D		620		Ω
32D				2		K Ω	
Output	On-state voltage drop	V_T	Rated load voltage 220VAC		1.2	1.6	V
	Output leakage current	I_{leak}	Rated load voltage 220VAC			1.5	mA
Transmission	Turn-on time	T_{on}	Zero-cross			10	mS
			Non zero-cross			1	mS
	Turn-off time	T_{off}				10	mS
	Insulation resistance	R_{iso}	500VDC(input-output)			1000	ΩM

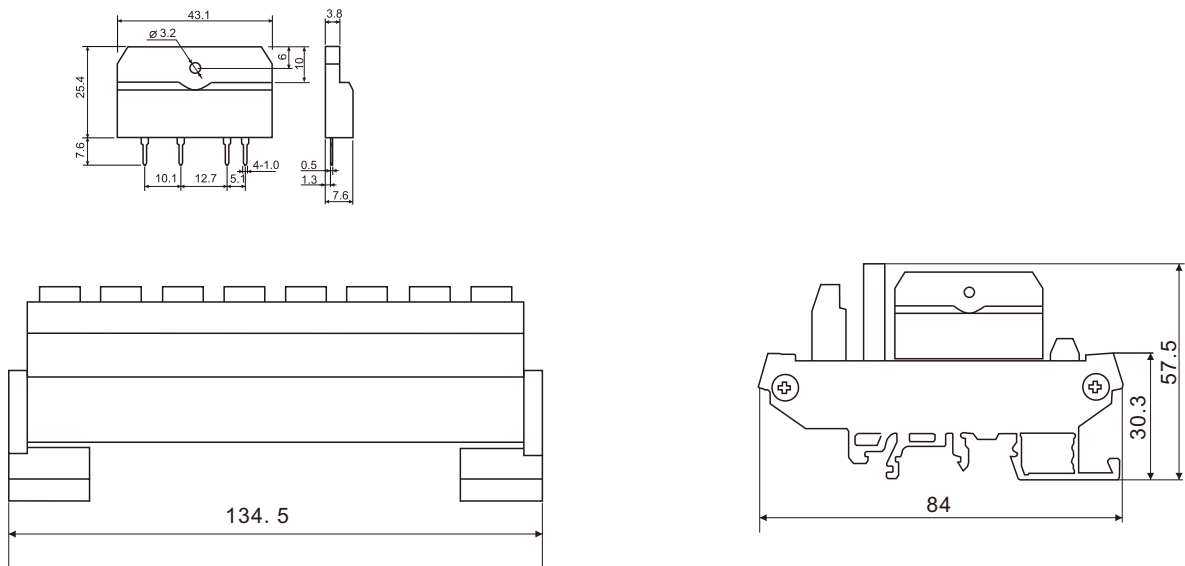
■ Switch Time Waveform:



Characteristic curve



Outline dimensions (mm)



Connection diagram

