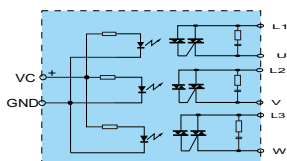


# >>> High-power SSR

## Three-phase high-power SSR-6F



Under certification

### Product

- Panel mount
- Load: 10A, 25A, 40A
- Dielectric strength: 4000VAC
- Load voltage: 380VAC
- Trigger mode: Zero-cross and Non zero-cross

### Ordering Reference

Input voltage	YS-6F / □ □ □ □
D: 4-32VDC	
Load voltage	
3A: 48 ~ 440VAC	
Load current	
10: 10A 25: 25A 40: 40A	
Trigger mode	
P: Non zero-cross	
Z: Zero-cross	

### Application

- Household appliances, air conditioner, humidifier
- Medical treatment and medical devices
- Industry machines: CNC machine, injection molding machine, heating furnace, reflow oven, robot, etc.

### Model/Package

Model/Specification		Off-state peak voltage	On-state RMS current	Package quantity
Non zero-cross	Zero-cross			
D-3A10P	D-3A10Z	800 V	10 A	1 PCS/box 50 PCS/carton
D-3A25P	D-3A25Z	800 V	25 A	
D-3A40P	D-3A40Z	800 V	40 A	

## Technical parameters

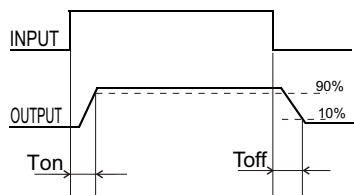
### ■ Max rated parameters ( Environment temperature : 25°C )

Item		Symbol	D3A10	D3A25	D3A40	Unit
Input	Work voltage		4 ~ 32			V
	Turn-on voltage	$V_{TON}$	4			V
	Turn-off voltage	$V_{TOFF}$	1			V
Output	On-state RMB current	$I_{T(RMS)}$	10	25	40	A
	Surge current(10ms )	$I_{TSM}$	100	250	400	A
	Repetitive peak off-state voltage	$V_{DRM}$	800			$V_{PK}$
Dielectric voltage	Input-output	$V_{iso}$	4000			VAC
Temperature	Work temperature	$T_{opr}$	-30 ~ 80			°C
	Storage temperature	$T_{stg}$	-40 ~ 100			°C

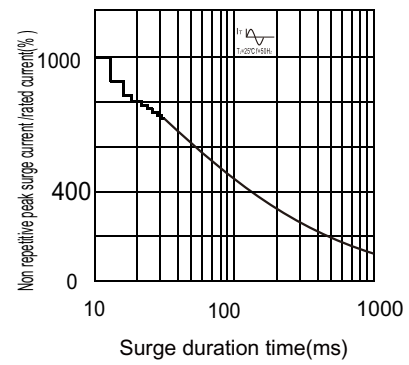
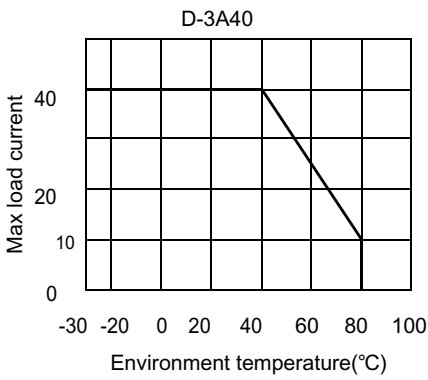
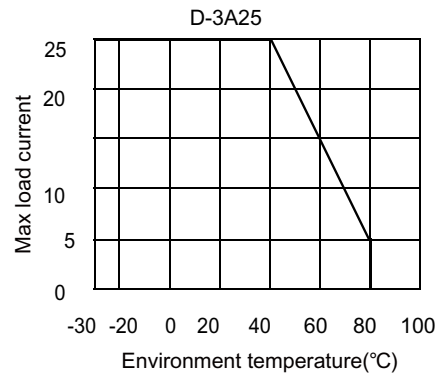
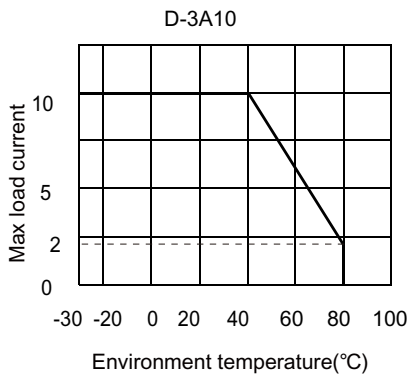
### ■ Electric parameters ( Environment temperature 25°C )

Item		Symbol	Test condition	Min	Typical	Max	Unit
Input	Max input current	$I_{max}$	$V_{in} = Max$			20	mA
	Max input voltage	$V_{max}$	$V_{in} = Max$			32	V
	Polar-reversed voltage	$V_R$	$V_{in} = - Max$			-32	V
Output	On-state voltage drop	$V_T$	Rated load voltage		1.5	1.6	V
	Output leakage current	$I_{leak}$	Load voltage			10	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	MΩ
Other	Weight				308		g

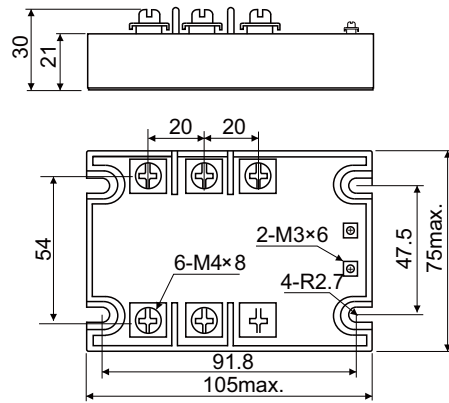
### ■ Switch Time Waveform:



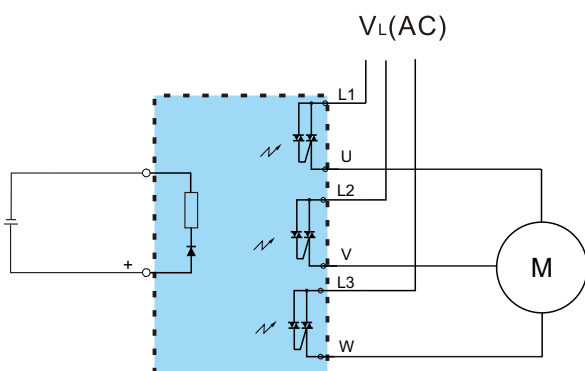
■ Characteristic curve



■ Outline dimensions(mm)



■ Connection diagram



■ Mounting holes(mm)

