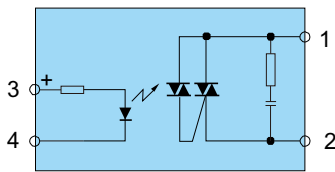




High-power SSR

Single-phase high-power AC SSR-3F



E509779



B1067040001

Product

- Panel mount
- Load: 10A, 15A, 20A, 25A, 40A
- Dielectric strength: 4000VAC
- Load voltage: 220VAC, 380VAC
- Trigger mode: Zero-cross and Non zero-cross

Ordering Reference

YS-3F /	□	□	□	□
Input voltage	D: 4-32VDC			
Load voltage	2A: 75 ~ 280VAC		3A: 75 ~ 440VAC	
Load current	10: 10A 15: 15A 20: 20A 25: 25A 40: 40A			
Trigger mode	P: Non zero-cross Z: Zero-cross			

Application

- Household appliances: Air conditioner, humidifier, etc.
- 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 RMB current	Package quantity
Non zero-cross	Zero-cross			
D-2A10P	D-2A10Z	600 V	10 A	2 PCS/box 105 boxes/carton
D-3A10P	D-3A10Z	800 V		
D-2A15P	D-2A15Z	600 V	15 A	
D-3A15P	D-3A15Z	800 V		
D-2A20P	D-2A20Z	600 V	20 A	
D-3A20P	D-3A20Z	800 V		
D-2A25P	D-2A25Z	600 V	25 A	
D-3A25P	D-3A25Z	800 V		
D-2A40P	D-2A40Z	600 V	40 A	
D-3A40P	D-3A40Z	800 V		

Technical parameters

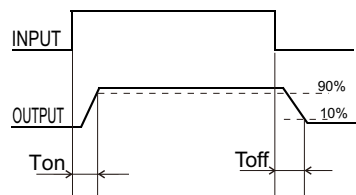
■ Max rated parameters (Environment temperature : 25°C)

Item		Symbol	D-2A10	D-2A15	D-2A20	D-2A25	D-2A40	D-3A25	D-3A40	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	15	20	25	40	25	40	A
	Surge current(10ms)	I_{TSM}	100	150	200	250	400	250	400	A
	Repetitive peak off-state voltage	V_{DRM}	600					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)

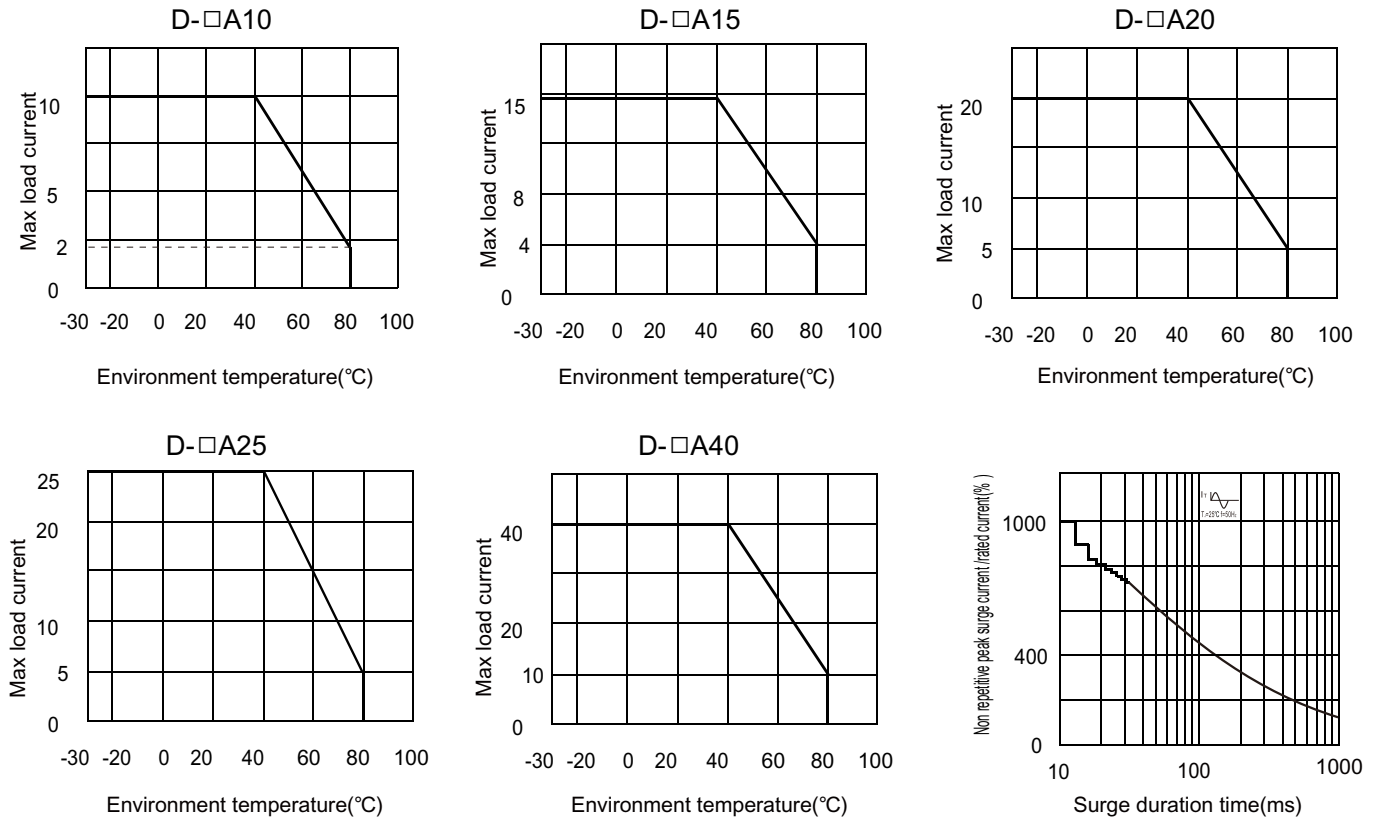
Item		Symbol	Test condition	Min	Typical	Max	Unit
Input	Max input current	I_{max}	$V_{in} = \text{Max}$			20	mA
	Max input voltage	V_{max}	$V_{in} = \text{Max}$			32	V
	Reversed-polar Voltage	V_R	$V_{in} = - \text{Max}$			-32	V
Output	On-state voltage drop	V_T	Rated load voltage 220VAC		1.5	1.6	V
	Output leakage current	leak	Load voltage 220VAC			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				88		g

■ Switch Time Waveform:

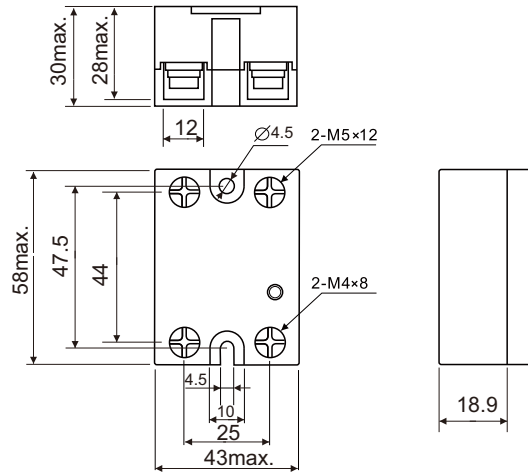


Technical parameters

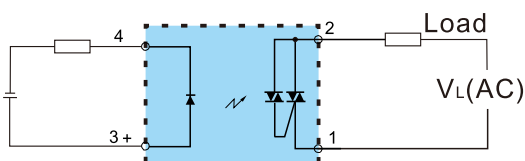
Characteristic curve



Outline dimensions(mm)



Connection diagram



Mouning holes(mm)

