

SSR Series panel mount single phase AC output Solid State Relays



Features

- * High Dielectric strength over 4KV
- * High Isolation strength over 100MΩ/500VDC
- * High surge current sustenance
- * High surge voltage sustenance
- * Conformity with EN60947-4-3 and EN60950r

Product Selection

DC to AC Single Phase Solid State Module

Model	Output Current	Input Method	Output Voltage Range	Control method
SSR-10DA	10A	4-32VDC	24-380VAC	Zero cross control
SSR-25DA	25A	4-32VDC	24-380VAC	Zero cross control
SSR-40DA	40A	4-32VDC	24-380VAC	Zero cross control
SSR-50DA	50A	4-32VDC	24-380VAC	Zero cross control
SSR-75DA	75A	4-32VDC	24-380VAC	Zero cross control
SSR-10DA-H	10A	4-32VDC	90-480VAC	Zero cross control
SSR-25DA-H	25A	4-32VDC	90-480VAC	Zero cross control
SSR-40DA-H	40A	4-32VDC	90-480VAC	Zero cross control
SSR-50DA-H	50A	4-32VDC	90-480VAC	Zero cross control
SSR-75DA-H	75A	4-32VDC	90-480VAC	Zero cross control
SSR-10DA-R	10A	4-32VDC	24-380VAC	Random control
SSR-25DA-R	25A	4-32VDC	24-380VAC	Random control
SSR-40DA-R	40A	4-32VDC	24-380VAC	Random control
SSR-50DA-R	50A	4-32VDC	24-380VAC	Random control
SSR-75DA-R	75A	4-32VDC	24-380VAC	Random control
SSR-10DA-HR	10A	4-32VDC	90-480VAC	Random control
SSR-25DA-HR	25A	4-32VDC	90-480VAC	Random control
SSR-40DA-HR	40A	4-32VDC	90-480VAC	Random control
SSR-50DA-HR	50A	4-32VDC	90-480VAC	Random control
SSR-75DA-HR	75A	4-32VDC	90-480VAC	Random control

AC to AC Single Phase Solid State Module

Model	Output Current	Input Method	Output Voltage Range	Control method
SSR-10AA	10A	80-250VAC	24-380VAC	Zero cross control
SSR-25AA	25A	80-250VAC	24-380VAC	Zero cross control
SSR-40AA	40A	80-250VAC	24-380VAC	Zero cross control
SSR-50AA	50A	80-250VAC	24-380VAC	Zero cross control
SSR-75AA	75A	80-250VAC	24-380VAC	Zero cross control
SSR-10AA-H	10A	80-250VAC	90-480VAC	Zero cross control
SSR-25AA-H	25A	80-250VAC	90-480VAC	Zero cross control
SSR-40AA-H	40A	80-250VAC	90-480VAC	Zero cross control
SSR-50AA-H	50A	80-250VAC	90-480VAC	Zero cross control
SSR-75AA-H	75A	80-250VAC	90-480VAC	Zero cross control
SSR-10AA-R	10A	80-250VAC	24-380VAC	Random control
SSR-25AA-R	25A	80-250VAC	24-380VAC	Random control
SSR-40AA-R	40A	80-250VAC	24-380VAC	Random control
SSR-50AA-R	50A	80-250VAC	24-380VAC	Random control
SSR-75AA-R	75A	80-250VAC	24-380VAC	Random control
SSR-10AA-HR	10A	80-250VAC	90-480VAC	Random control
SSR-25AA-HR	25A	80-250VAC	90-480VAC	Random control
SSR-40AA-HR	40A	80-250VAC	90-480VAC	Random control
SSR-50AA-HR	50A	80-250VAC	90-480VAC	Random control
SSR-75AA-HR	75A	80-250VAC	90-480VAC	Random control

Input Specifications

Parameter-list	Specification Limits	
Input Parameter	D	A
Control Voltage Range	4 to 32Vdc	80 to 250Vac
Input Current(Max.)	33/56mAdc @=5V/24V	13mAac @=220V
Must Turn On Voltage	4Vdc	80Vac
Must Turn Off Voltage	1.5Vdc	10Vac

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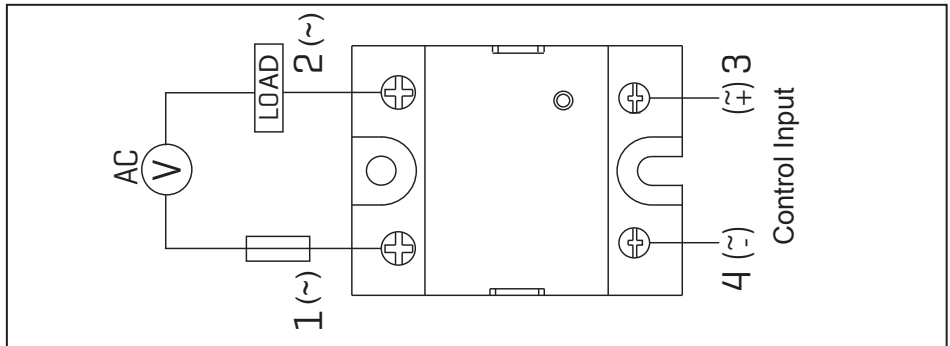
Output Specifications

Output Parameter	Units	Specification Limits				
Model No.:SSR	Amp	10	25	40	50	75
Load Current Range	Arms	0.05 to 10	0.05 to 25	0.05 to 40	0.05 to 60	0.05 to 80
Surge Current 20mSec(Max.)	Arms	85	230	400	500	800
Load Voltage Range(380V)	Vrms	24 to 380				
TRIAC Over voltage(380V)	Vpk	≥600				
Load Voltage Range(480V)	Vrms	90 to 480				
TRIAC Over voltage(480V)	Vpk	≥800				
Frequency Range	Hz	47 to 63				
Off State dv/dt (Min.)	V/μsec	200	200	200	500	500
Off State Leakage Current(Max)	mArms	≤8				
On State Voltage Drop(Max.)	Vrms	1.6	1.6	1.6	1.8	1.8
Thermal Resistance,(Rthjc)		2.5	2.5	1.3	0.65	0.5
Turn On Time (Max.)"Z"	Cycle	1/2				
Turn On Time (Max.)"R"	mSec	1				
Turn Off Time (Max.)"D"	Cycle	1/2				
Turn Off Time (Max.)"A"	mSec	40				

General Specifications (Ta=25°C)

Description	Units	Specification limits
Dielectric (Input/Output)	Vrms	4000
Dielectric (Input-Output/Base)	Vrms	2500
Capacitance	pf	10
Ambient Temperature Range		Operating or Storage -30°C to +80°C
Weight (Typical)		90g
Base Plate		Aluminum
Led Display		Yes

Wiring Diagram



Dimensions (mm)

