



## SAP Series Solid State Relay

SAP Series Proportional controller -  
Ratings from 5A to 100A @ 530 VAC

- Output is made up by AC switch of SCR
- Input Control Voltage: 3-32VDC
- Apply to transformer and other sensitive load, because sensitive load has big inrush current



### Species

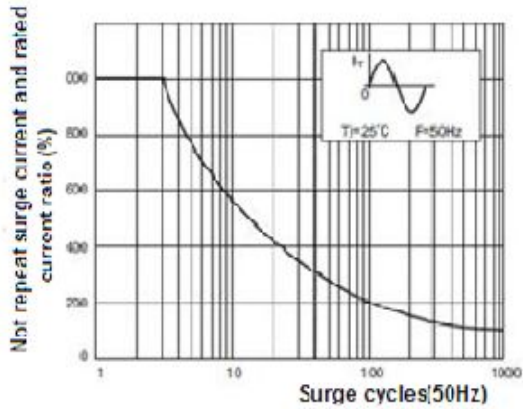
Insulation way	Distance between the input terminal	LED instructions	Load Current	Load voltage	Model
Photoelectric three-terminal two-way thyristor switch	27mm	LED	5A-100A	40-480VAC	SAP40 Series
	27mm	LED	5A-100A	40-530VAC	SAP48 Series

### Performance and related technical parameters

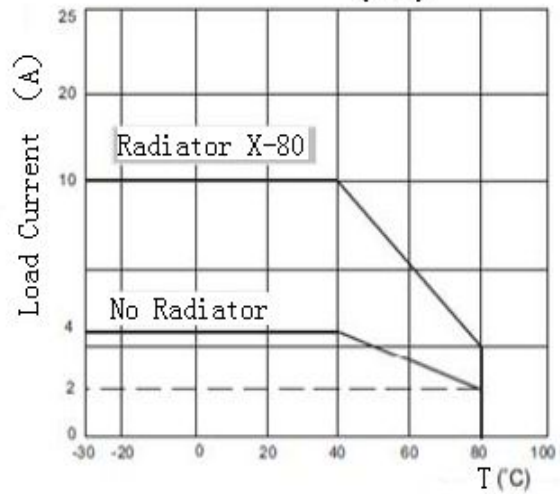
Product model	SAP4815D/A SAP4820D/A SAP4825D/A SAP4840D/A SAP4850D/A SAP4860D/A SAP4880D/A SAP48100D/A										
Main technical parameters											
Load voltage	40-480VAC										
Max Load current	5A	10A	15A	20A	25A	30A	40A	50A	60A	80A	100A
Isolation bet. In & out	$\geq 2000VAC$										
Isolation to case	$\geq 2500VAC$										
Control voltage	3-32VDC										
Control current	6-25mA										
Turn-on voltage	$\leq 1.3VAC$										
off-state leakage	$\leq 0.5mA$										
off-state dv/dt	300v/Us										
on or off time	10mS										
Frequency range	47/63Hz										
Status indicator	LED										
Operating temperature	-40~80°C										

■ Reference data

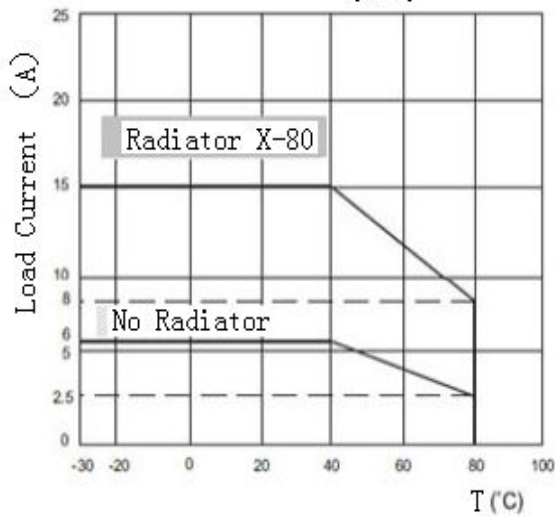
Not to repeat the wave surge current and surge cycle curve



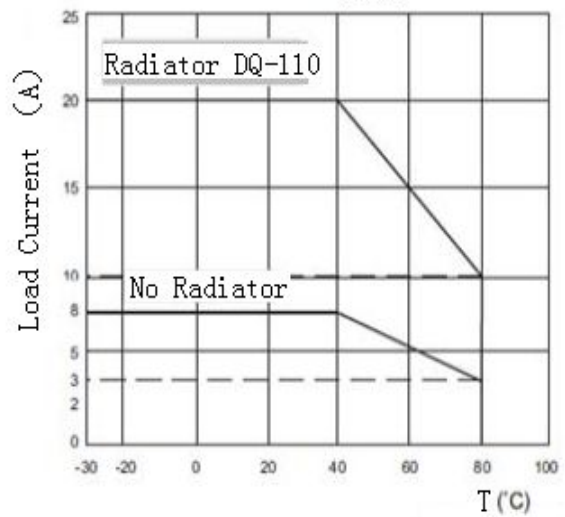
Load current-environment temperature (10A)



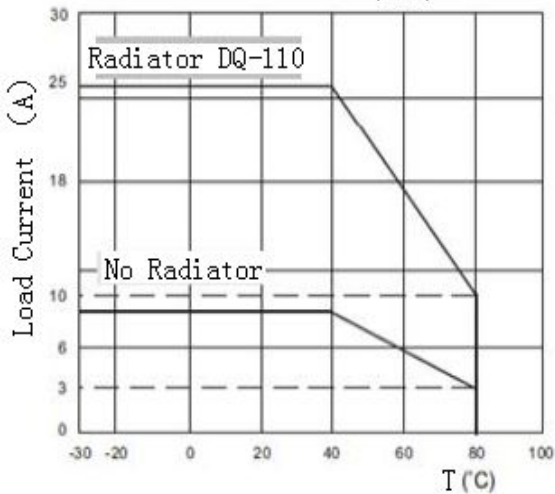
Load current-environment temperature (15A)



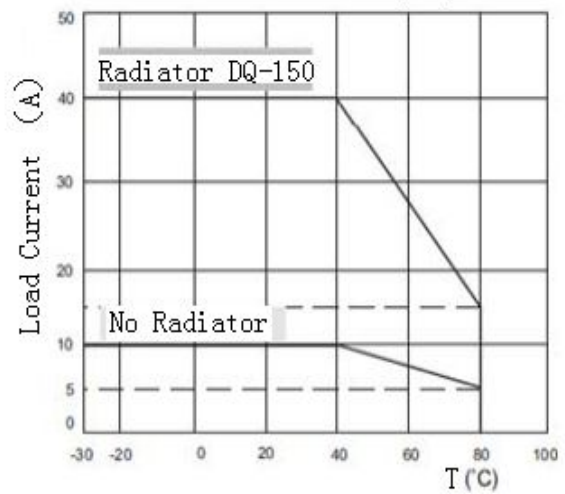
Load current-environment temperature (20A)



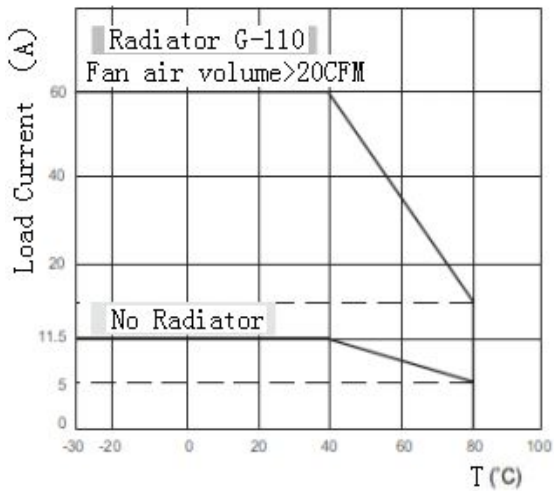
Load current-environment temperature (25A)



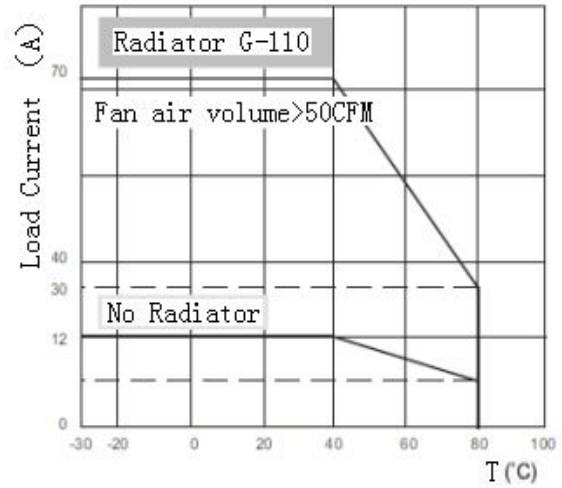
Load current-environment temperature (40A)



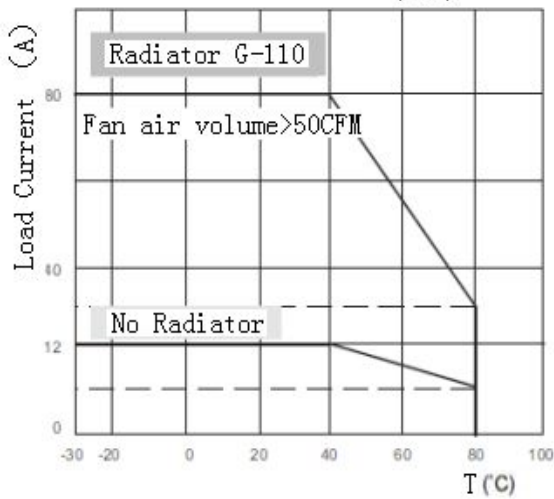
Load current-environment temperature  
(60A)



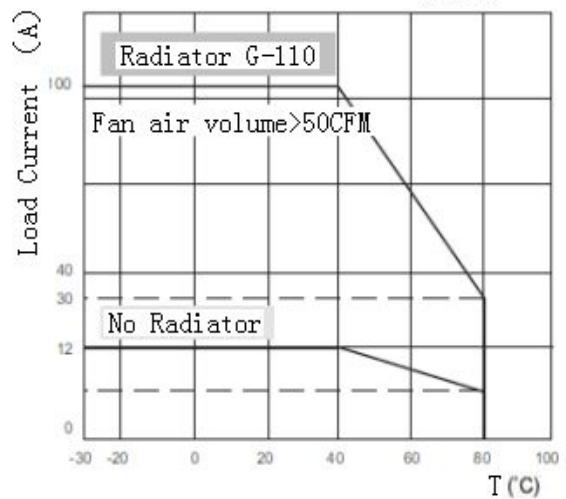
Load current-environment temperature  
(70A)



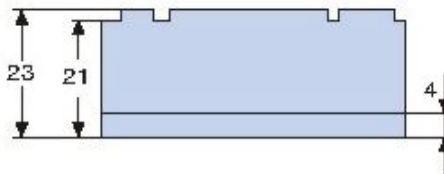
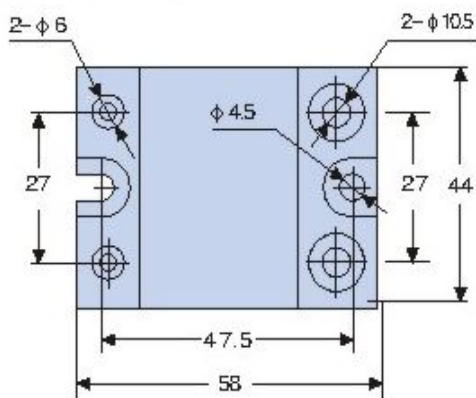
Load current-environment temperature  
(80A)



Load current-environment temperature  
(100A)



## Dimension



## Matters needing attention

Depends on the condition of products using, when the temperature of SSR is high, it needs to reduce load current and heat dissipating