



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

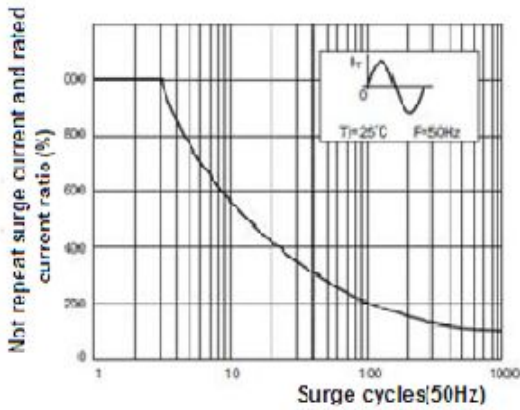
Insulation way	Distance between the input terminal	LED instructions	Output Load Current	Rated Output voltage	Model
Photoelectric three-terminal two-way thyristor switch	27mm	LED	5A-100A	40-480VAC	SAP40 Series
	27mm	LED	5A-100A	40-530VAC	SAP48 Series

Performance and related technical parameters

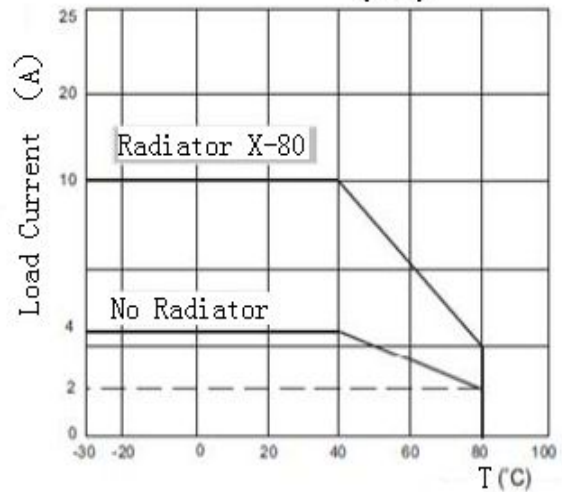
Product model	SAP4815D/A SAP4820D/A SAP4825D/A SAP4840D/A SAP4850D/A SAP4860D/A SAP4880D/A SAP48100D/A										
Main technical parameters											
Load voltage	40-480VAC										
Max Load current	5A	10A	15A	20A	25A	30A	40A	50A	60A	80A	100A
Isolation bet. In & out	$\geq 2000VAC$										
Isolation 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

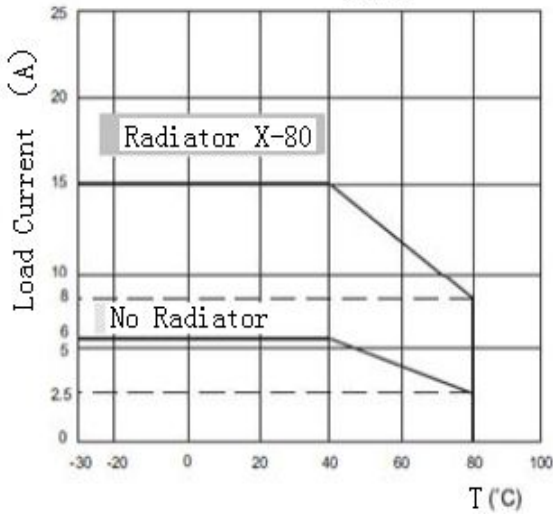
Not to repeat the wave surge current and surge cycle curve



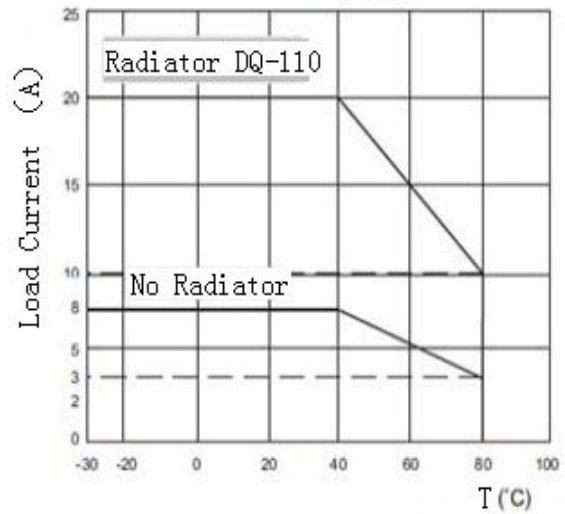
Load current-environment temperature (10A)



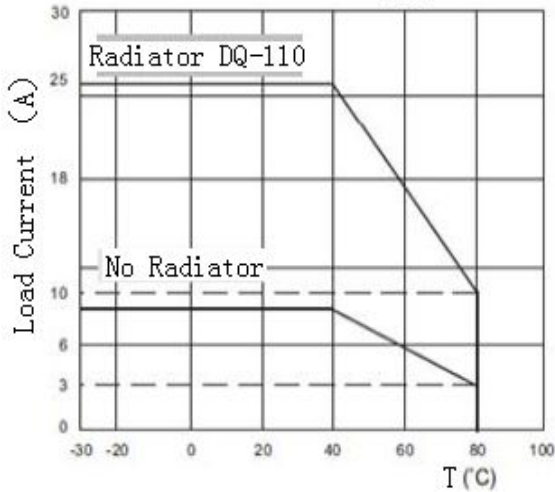
Load current-environment temperature (15A)



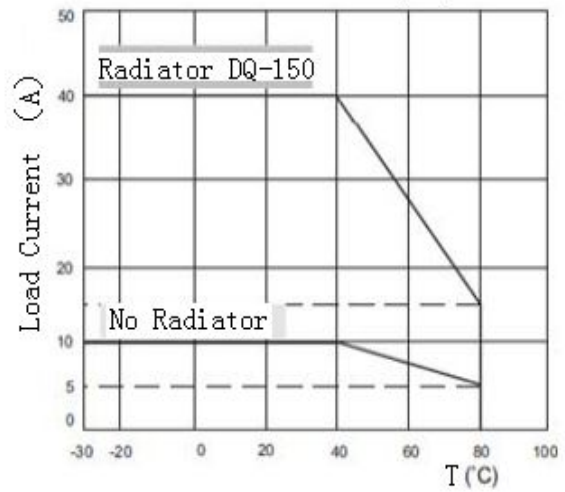
Load current-environment temperature (20A)



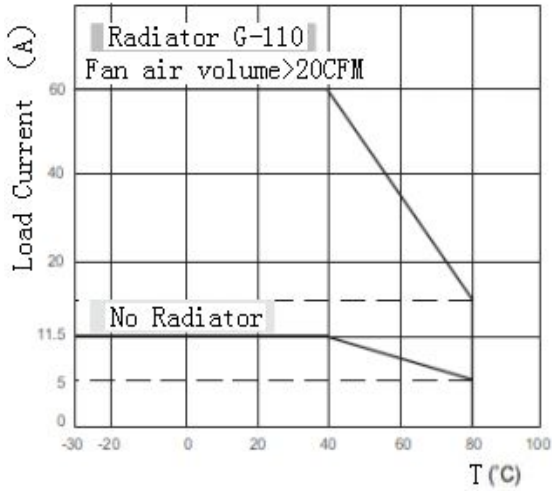
Load current-environment temperature (25A)



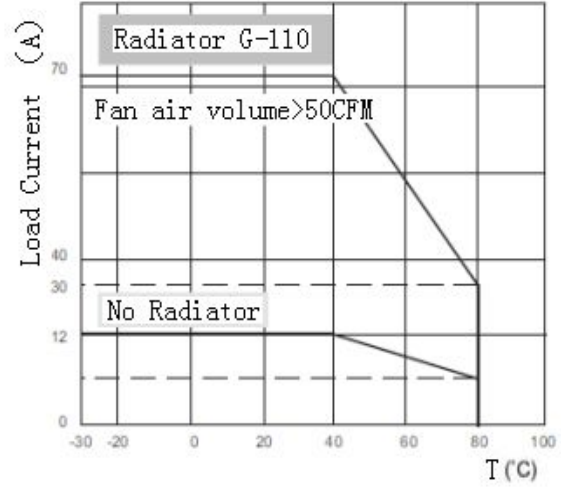
Load current-environment temperature (40A)



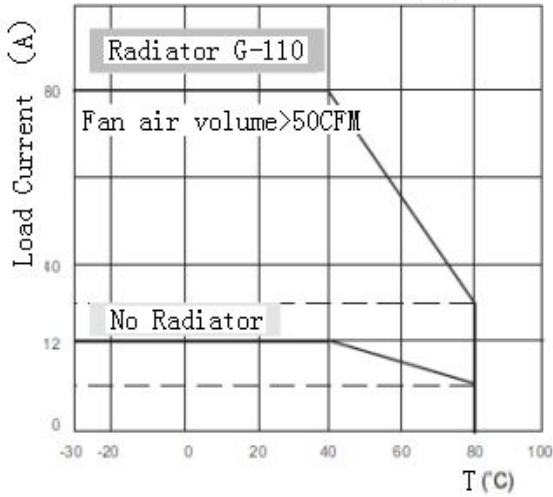
Load current-environment temperature
(60A)



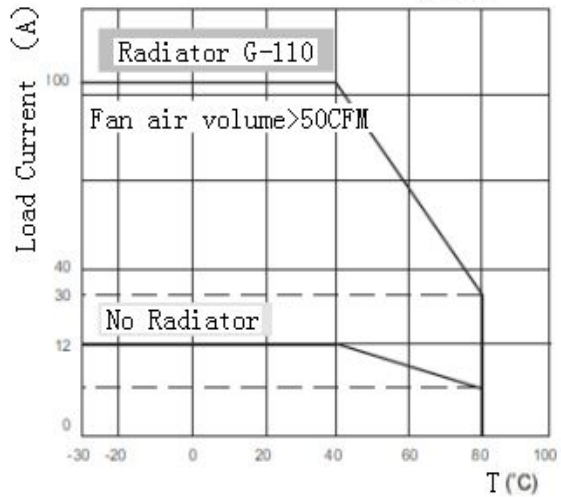
Load current-environment temperature
(70A)



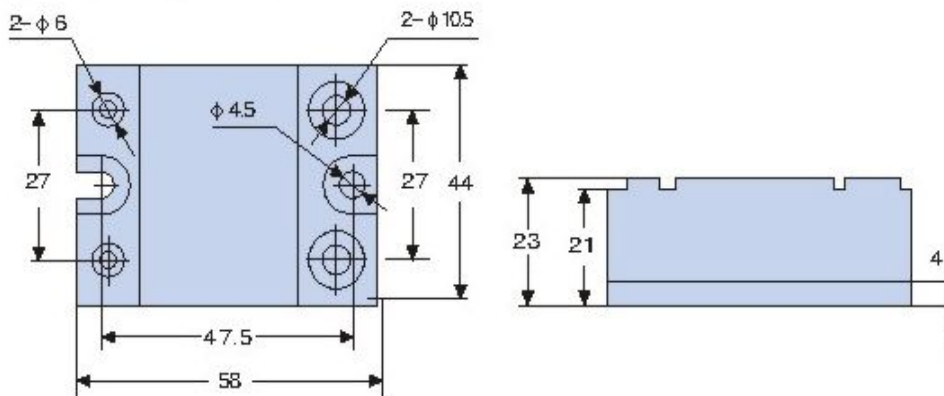
Load current-environment temperature
(80A)



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