

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 Voltadge: 3-32VDC
- •Apply to transformer and other sensitive load, because sensitive load has big inrush current



■ Species

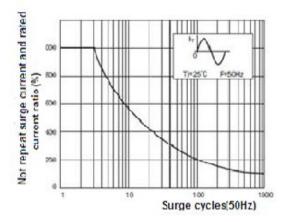
Insulation way	Distance between the input terminal	LED instru ctions	Load Current	Load voltage	Model
Photoelectric three-terminal two-way thyristor switch	27mm	LED	5A-100A	40-480VAC	SAP40 Series
	27mm	LED	5A-100A	40-530VAC	SAP48 Series

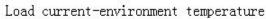
■Performance and related technical parameters

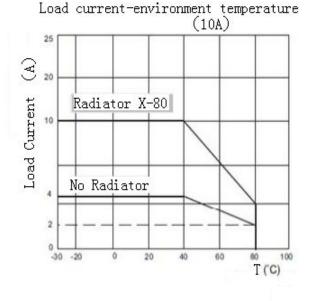
Product model Main technical parameters	SAP4815D/A SAP4820D/A SAP4825D/A SAP4840D/A SAP4850D/A SAP4860D/A SAP4880D/A SAP48100D/A					
Load voltadge	40-480VAC					
Max Load current	5A 10A 15A 20A 25A 30A 40A 50A 60A 80A 100A					
Isolation bet. In & out	≥2000VAC					
Isolation to case	≥2500VAC					
Control voltage	3-32VDC					
Control current	6-25mA					
Turn-on voltage	≤ 1. 3VAC					
off-state leakdge	≤0.5mA					
off-state dv/dt	300v/Us					
on or off time	10mS					
Frequenty range	47/63Hz					
Status indicator	LED					
Operating temperature	-40∼80°C					

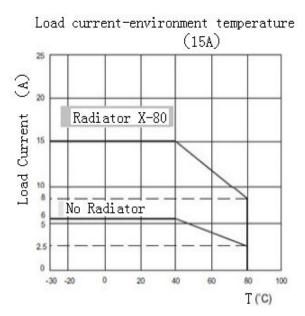
■Reference data

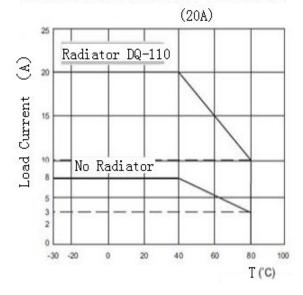
Not to repeat the wave surge current and surge cycle curve

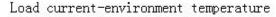


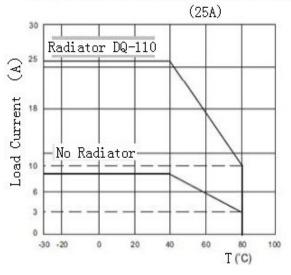




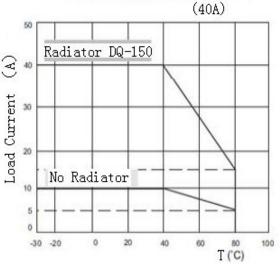




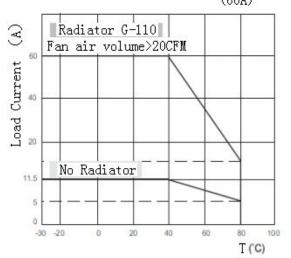




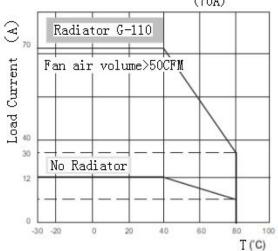
Load current-environment temperature



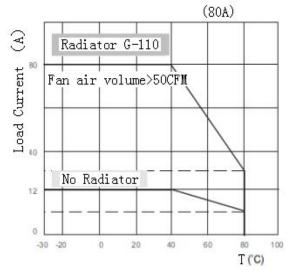
Load current-environment temperature (60A)



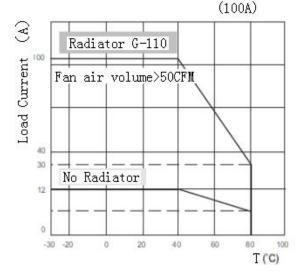
Load current-environment temperature (70A)



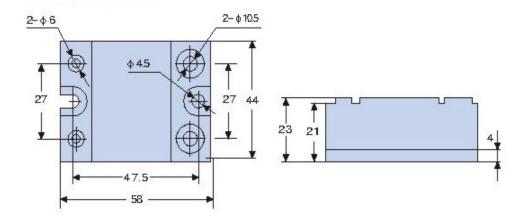
Load current-environment temperature



Load current-environment temperature



■ 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