



SDP Series Solid State Relays

Max rated value: 80Amps@1000VDC,
@400VDC、20Amps@110VDC

●DC Solid state relay is low impedance
which is MOSFET/IGBT output and maximum to
avoid total power consumption



●Input Control Voltage: 3-32VDC

●Normally SSR is good for resistive and
inductive load. (like motor and EMR/
electromagnetic coil which is inductive
load that must avoid diode)

■Species

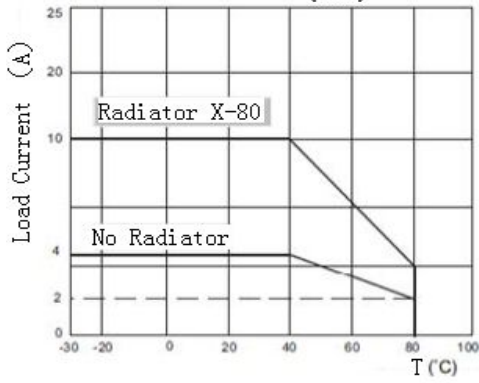
Insulation way	Distance between the input terminal	LED Instructions	Output Load Current	Rated Output Voltage	Model
Photoelectric three-terminal two-way thyristor switch	25mm	LED	5A-20A	40-110VDC	SDP11 Series
	25mm	LED	5A-80A	40-400VDC	SDP40 Series
	25mm	LED	5A-80A	40-1000VDC	SDP80 Series

■Performance and related technical parameters

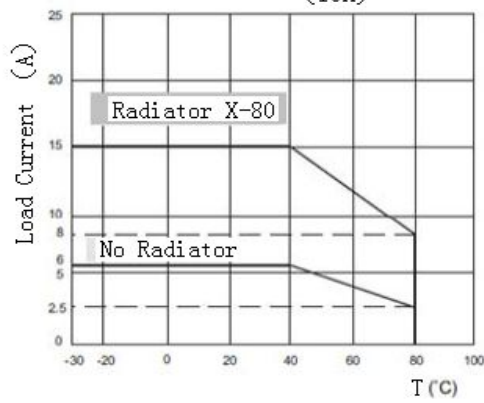
Main technical parameters	Product model
	SDP4010D SDP4020D SDP4025D SDP4040D SDP4050D SDP4060D SDP4080D
Load voltage	40-110VDC 40-400VDC 40-1000VDC
Max Load current	5A 10A 15A 20A 25A 30A 40A 50A 60A 80A
Isolation bet. In & out	$\geq 2000VAC$
Isolation to case	$\geq 2500VAC$
Control voltage	3.5-32VDC
Control current	6-25mA
Turn-on voltage	$\leq 1.3VAC$
Frequently range	47/63Hz
Status indicator	LED
Operating temperature	-40~80°C

■ Reference data

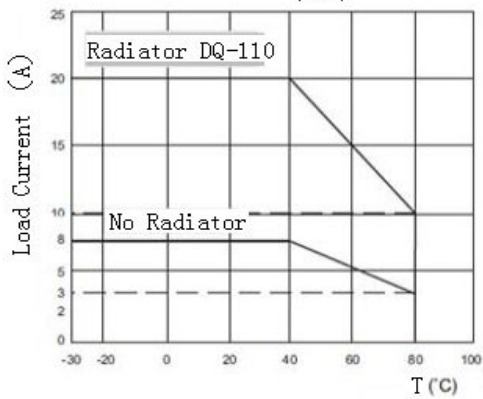
Load current-environment temperature (10A)



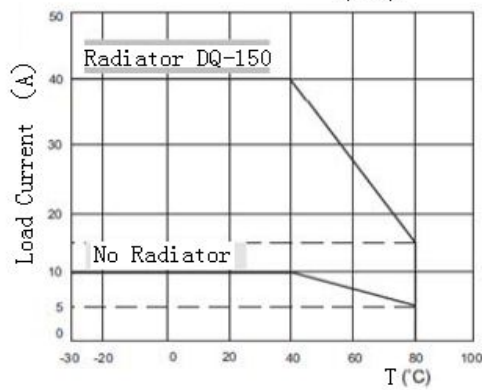
Load current-environment temperature (15A)



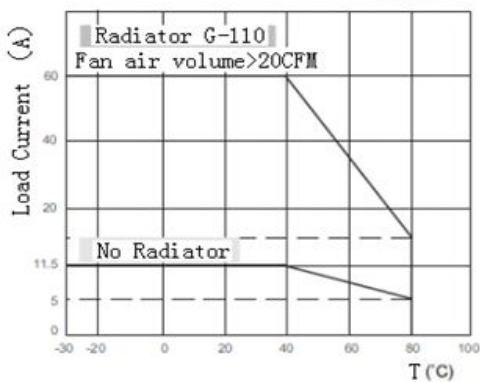
Load current-environment temperature (20A)



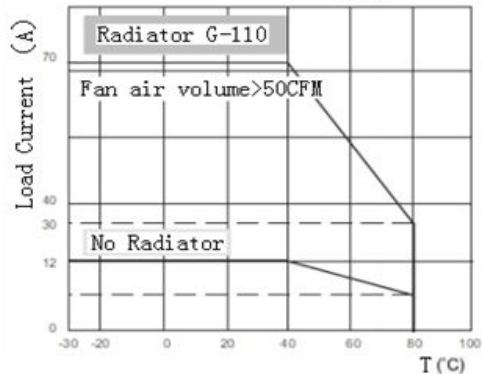
Load current-environment temperature (40A)



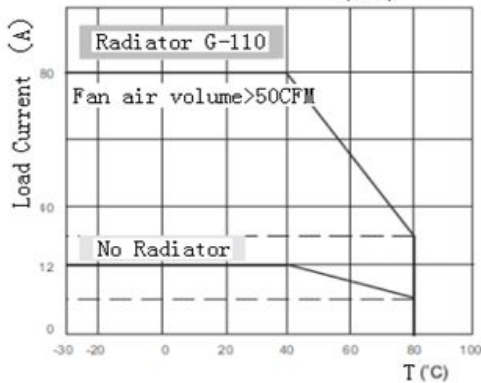
Load current-environment temperature (60A)



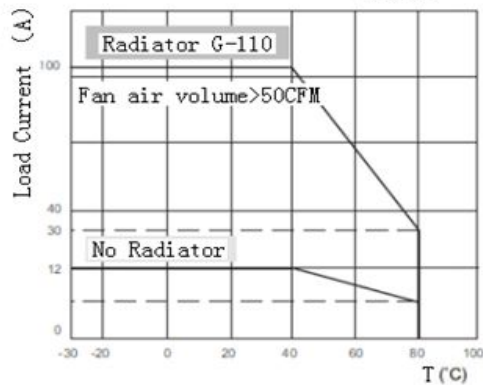
Load current-environment temperature (70A)



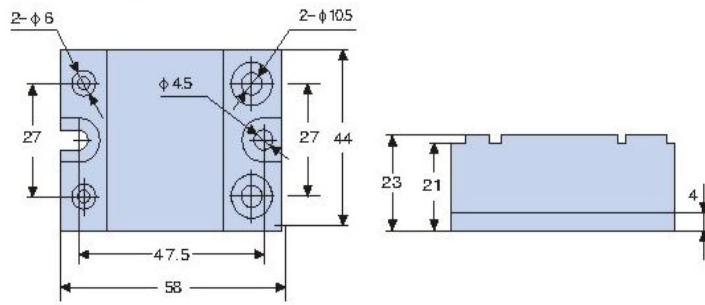
Load current-environment temperature (80A)



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 capacity