



SINGLE PHASE CAPACITOR SWITCHING SOLID STATE RELAYS DC - AC/ AC - AC SDAC-660-..., SAAC-660-..., SERIES

Features

- INPUT: DC Control.
- OUTPUT: Direct Copper Bonded Back-To- Back SCR
- OPTO ISOLATION 4000 VAC
- ZERO VOLTAGE TURN-ON
- REVERSE VOLTAGE PROTECTION FOR DC/ AC RELAY
- BUILT IN SNUBBER
- CHASSIS MOUNTABLE
- LED Indicator showing Relay 'ON' status
- WEIGHT = 106 g
- SUITABLE FOR CAPACITORS LOAD : Power Factor Correction
- HIGH IMMUNITY – LOW ZERO CROSS-OVER VOLTAGE
- SAFETY COVER (OPTIONAL)



MORE/ABOUT..

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Type Selection Guide

Input Control Voltage	Rated operational voltage	Rated operational current AC rms.			
		50 amps	75 amps	90 amps	125 amps
3 - 32 VDC	25-690VAC rms	SDAC-660-50	SDAC-660-75	SDAC-660-90	SDAC-660-125
160 - 280 VAC	25-690VAC rms	SAAC-660-50	SAAC-660-75	SAAC-660-90	SAAC-660-125

Input Specifications

Type	SDAC – 660 – 50/75/90/125	SAAC – 660 – 50/75/90/125
Control Voltage	3 – 32 VDC	160 – 280 VAC
Control Current Range	1-30 Ma	4-18 mA
Pick-Up Voltage	3 VDC	160 VAC
Drop Out Voltage	1 VDC	45 VAC
Input Resistance	Current regulator	

Output Specifications

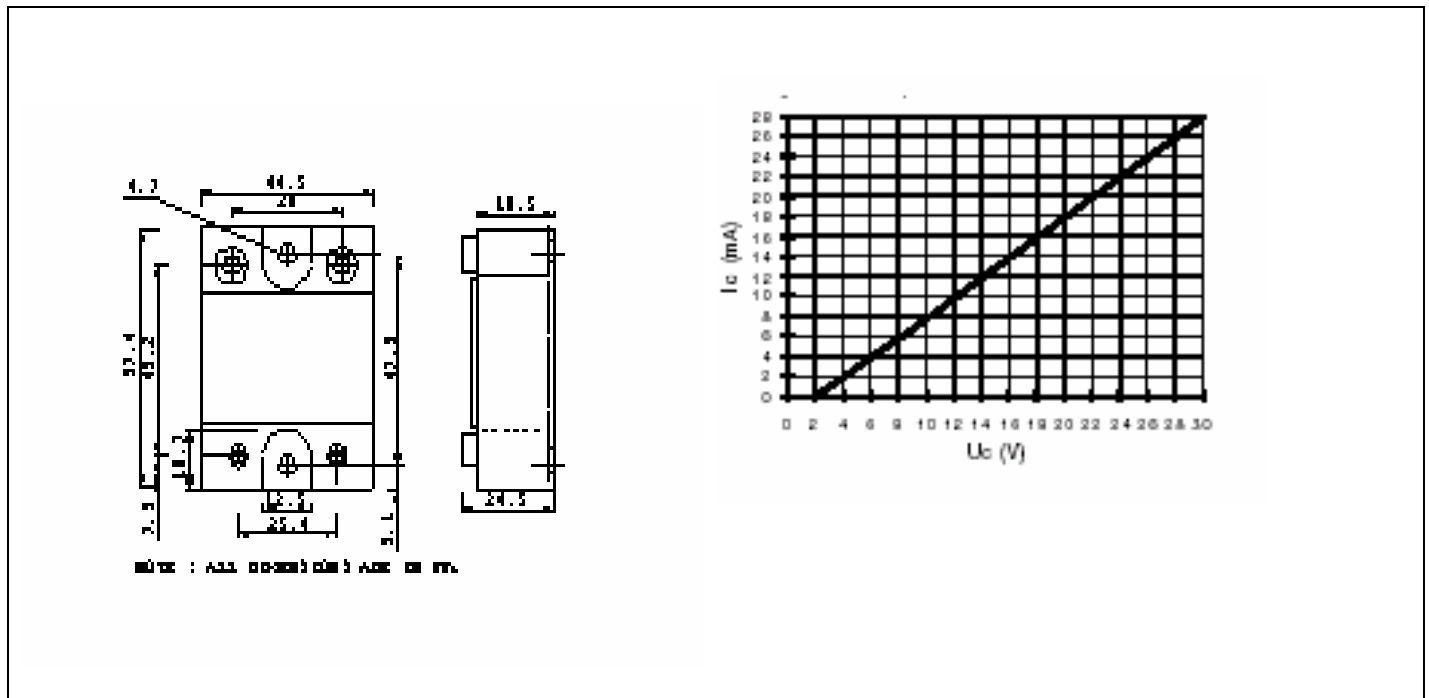
Type	SDAC/SAAC-660-50	SDAC/SAAC-660-75	SDAC/SAAC-660-90	SDAC/SAAC-660-125
Current Range with proper heat sink (IT)	50 A	75 A	90 A	125 A
Surge Current non-repetitive $t = 10\text{secs ITMS}$	550 A	1000 A	1500 A	2000 A
Voltage Drop @ Current – VTM	1.6 VAC	1.6 VAC	1.6 VAC	1.6 VAC
Voltage Range	25-690VAC rms			
Over Voltage Rating (PIV) Transient Peak	1600 V peak	1600 V peak	1600 V peak	1600 V peak
Off-state leakage current @ voltage -IDRM	10mA	10 mA	10 mA	10 mA
Turn-on (max) – T-on	10 ms	10 ms	10 ms	10 ms
Turn-off (max) – T-off	10 ms	10 ms	10 ms	10 ms
Dv/Dt @Voltage (out)	500 V/ μs	500 V/ μs	500 V/ μs	500V/ μs
I^2T Fusing I^2t (10 ms)	1500 A ² S	5000A ² S	11,000A ² S	20,000A ² S

General Specifications

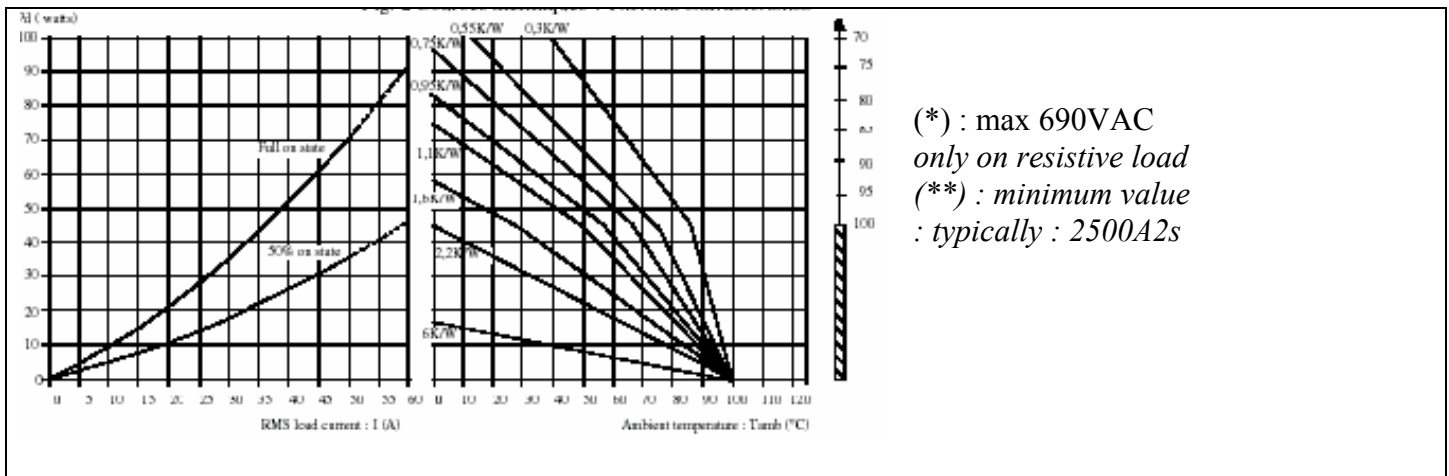
Type	SDAC/SAAC-660-50	SDAC/SAAC-660-75	SDAC/SAAC-660-90	SDAC/SAAC-660-125
Frequency Range	47 – 70 Hz	47 – 70 Hz	47 – 70 Hz	47 – 70 Hz
Weight	Approx. 100 g			
Storage Temp.	– 40 °C to 100 °C	Junction Temperature	100 °C	

Dimensions

Characteristics Curve



Thermal Characteristics



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