

**AC TO AC  
(BACK TO BACK SCR)  
(ALTERNISTOR TRIAC)**

- ↳ IP-20 protection by removable touch-proof Housing enclosure.
- ↳ Surface Mount Technology.
- ↳ Screw attach with stamped washer are vibration free, tighten firmly with power lugs.
- ↳ Power wiring by round lugs/Fork Lugs/pin lugs or direct with wire.
- ↳ Panel mounted S.S.R.,
- ↳ Opto Isolation 2500Vrms, True Zero Cross Over
- ↳ Virtually free from EMI / RFI
- ↳ Input LED indication/Output Reverse LED Indication
- ↳ Input TTL Compatibility optionally CMOS Compatibility
- ↳ Output to body 4kV~ isolation
- ↳ Noise less without chattering And Fast Switching
- ↳ Arcless Switching / Inbuilt snubber
- ↳ Heat Sink+DinRailMounting (35mm)
- ↳ Output N/O configuration

**808 Model**



S.S.R. Weight : @35 gms.

**CE**

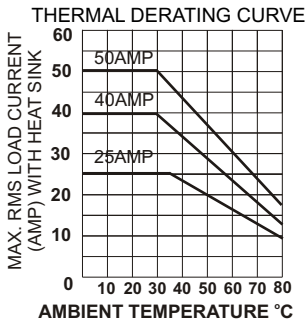
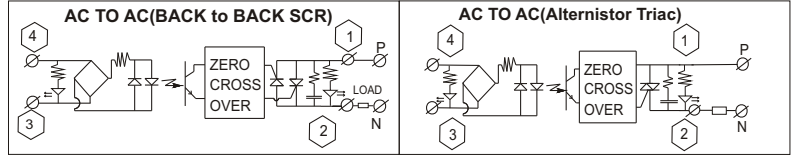
EN- 60947 - 5 - 1

**801 Model**



35mm Din Rail mounting

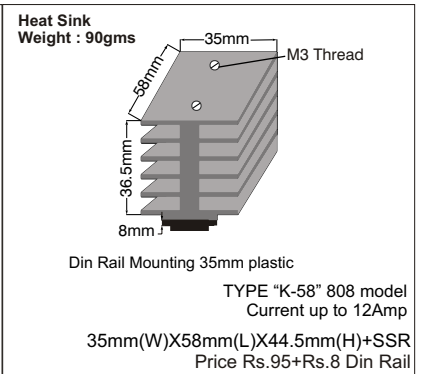
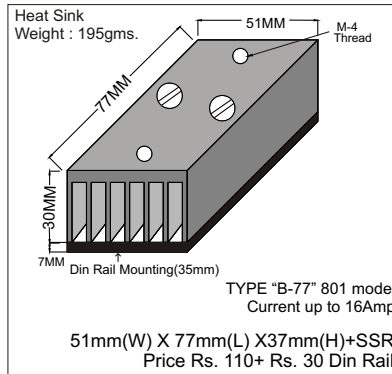
Circuit Diagram S.S.R. Weight : @95 gms.



SSR TYPE NO	OUTPUT		EN-60947-4 Current Amp with Heat Sink at 55°C		Fusing current I <sup>2</sup> T	Short Circuit Protection by "B" type M.C.B. In AC53a duty	Type of Heat Sink	Indian@ Rs./Each 100nos
	Voltage	Current amp AC51-20°C	AC51-20°C	AC53a				
<b>AC TO AC (BACK TO BACK SCR) INPUT : 30VAC TO 280VAC, Min. 4mA - Max.16mA</b>								
801	ZAA 48 25 28	24 to 25	20	-	500A <sup>2</sup> S	-	C/B	355.00
801	ZAA 48 50 28	480VAC PIV	50 AC - 1	38	15	3000A <sup>2</sup> S	C/B	655.00
801	ZAA 48 90 28	1200VPK	90 AC - 1	65	30	7200A <sup>2</sup> S	L/C	1020.00
<b>AC TO AC (ALTERNISTOR TRIAC) INPUT : 80VAC TO 280VAC, Min. 4mA - Max.16mA</b>								
808	ZAA 33 25 28	24 to 25	16	-	312A <sup>2</sup> S	-	K	265.00
808	ZAA 33 40 28	330VAC PIV	40	-	450A <sup>2</sup> S	-	K	355.00
		800VPK						

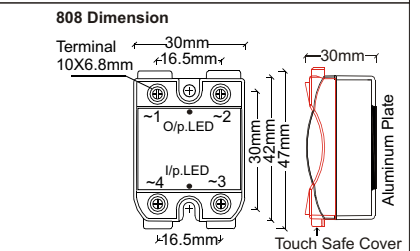
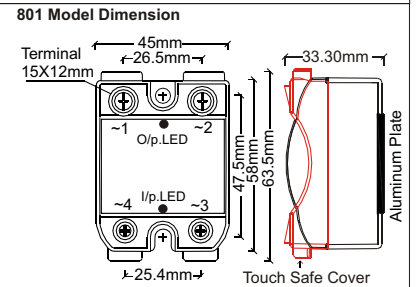
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**808 MODEL WITH REMOVABLE IP20 TOUCH-PROOF COVER**



**Technical Data**

	THYRISTOR				Alternistor TRIAC		
Output circuit - Switching element	THYRISTOR				Alternistor TRIAC		
Operational voltage range	Vrms	42-480VAC/690VAC				24-330VAC	
Peak inverse voltage	Vpk	1200Vpk/1600Vpk				800Vpk	
Rated operational current	AC 51-20°C	IT	25A AC	50A AC	90A AC	25A AC	40A AC
For utilization category	AC53a-55°C		15A AC	30A AC			
Frequency range	HZ	45-65Hz				45-65Hz	
Max. off-state leakage current	mA	< 5 mArms				< 5 mArms	
Minimum load current holding current	IHO	175 mA	275 mA	275 mA	75 mA	75 mA	
Rated peak withstand current (t=10 ms)	ITSM	320A	800A	1200A	250A	300A	
Max. Zero voltage turn on	Vpk	15	15	15	15	15	
Max. load integral I <sup>2</sup> dt (t = 10 ms)	I <sup>2</sup> t	500A <sup>2</sup> S	3000A <sup>2</sup> S	7200A <sup>2</sup> S	312A <sup>2</sup> S	450A <sup>2</sup> S	
Voltage drop in on-state	VTM	1.3V	1.3V	1.3V	1.6V	1.7V	
Critical current gradient	di/dt	100A/μs	100A/μs	150A/μs	50A/μs	50A/μs	
Critical voltage gradient	Dv/dt	350 V/μs	1500 V/μs	1500 V/μs	500 V/μs	500 V/μs	
Thermal resistance Rth (Junction to case) DC	θJC	1.1	1.0	0.4	2	1.2	
Power factor	Cosφ	0.5 (at 600VAC)				0.85 (at 600VAC)	
Maximum barrier-layer temperature		125 °C				125 °C	
Input circuit-control circuit /rated control supply voltage		30VAC TO 280 VAC				80VAC TO 280 VAC	
Make voltage / Break voltage		30VAC				80VAC	
Max. current consumption		16mA				16mA	
Switching times max zero cross over make/break		1period/1period				1period/1period	
Ambient temperature range operation		-30...+80 °C				-30...+80 °C	
Test voltage between all isolated circuits (type test)		4kVA				4kVA	
Electrical connection wire size		O/p. 16sqmm (max), I/p. 4sqmm				O/p. & I/p. 4sqmm	



Note : Prices & Specifications are subject to change without prior notice.