DC TO AC (Back to Back SCR)

801 Model

⇦35mm Din Rail mounting

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

CE
EN- 60947 - 5 - 1

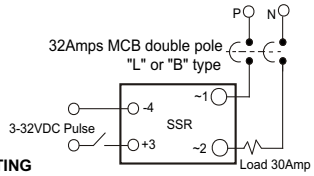
707 Model

⇦35mm Din Rail mounting

S.S.R. Weight : @175 gms.

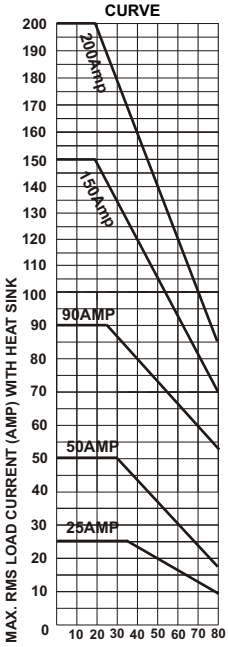
Enclosure Material : Glass filled nylon (Flame Retardant)

Connection Diagram



External MCB, protects SSR During the Short circuit And Over load for AC-53a **Resistive load**

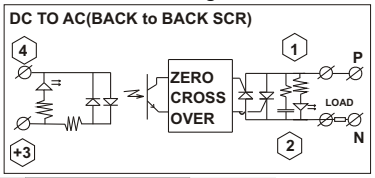
THERMAL DERATING CURVE



- ⇨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.
- ⇨Opto Isolation 2500Vrms
- ⇨Epoxy coated SSR.
- ⇨Arceless switching
- ⇨Panel mounted SSR
- ⇨Reverse polarity Protection
- ⇨Random type of SSR Available.
- ⇨Suitable upto 16/25 sq. mm lugs.

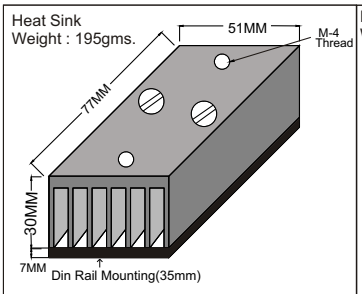
- ⇨True Zero Cross Over / Virtually free from EMI/RFI
- ⇨Output to body 4kV~ isolation
- ⇨Power factor response up to 0.2 (optionally)
- ⇨Inbuilt snubber/PIV : 1600Vpk (optionally)
- ⇨Input LED indication/Output Reverse LED Indication
- ⇨Input TTL Compatibility optionally CMOS Compatibility
- ⇨Heat Sink + Din Rail Mounting (35mm).
- ⇨Noise less without chattering and fast switching

Circuit Diagram

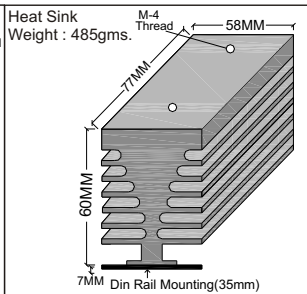


SSR TYPE NO		OUTPUT Voltage	OUTPUT Current amp AC51-20°C	EN-60947-4 Current Amp with Heat Sink 55°C	EN-60947-4 Current Amp with Heat Sink AC53a	Fusing current I²T	Short Circuit Protection by "B" type M.C.B. In AC53a duty	Type of Heat Sink	Indian@ Rs./Each 100nos⇨
DC TO AC	INPUT : 4VDC TO 32VDC, Min. 4mA - Max.16mA								
801	ZDA 48 25 00	24 to 480VAC PIV 1200VPK	25	20	-	500A²S	-	B	350.00
801	ZDA 48 50 00		50 AC - 1	38	15	3000A²S	16Amp	C/B	650.00
801	ZDA 48 90 00		90 AC - 1	65	30	7200A²S	32Amp	L/C	999.00
801	ZDA 48 150 00		150 AC - 1	90	60	25000A²S	63Amp	V	1800.00
707	ZDA 48 150 00		150 AC - 1	110	60	15000A²S	63Amp	W	2100.00
707	ZDA 48 200 00		200 AC - 1	130	90	25000A²S	100Amp	W	2600.00

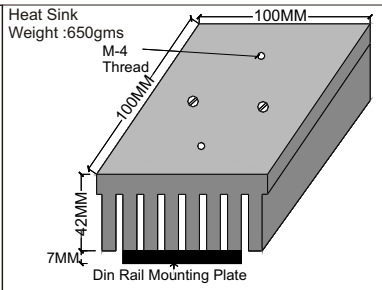
801 MODEL WITH REMOVABLE IP20 TOUCH-PROOF COVER



TYPE "B-77" 801 model
Current up to 16Amp
51mm(W) X 77mm(L) X37mm(H)+SSR
Price Rs. 110+ Rs. 30 Din Rail



TYPE "C-77" 801/707 model
Current up to30Amp.
58mm(W)X77mm(L) X67mm(H)+SSR
Price Rs.240+Rs.30 Din Rail

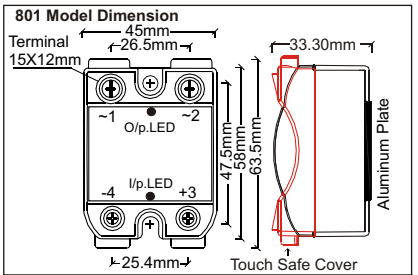


Type "L-100" -801/ 707 / 705model
current up To 40Amp
100mm(W) X 100mm(L) X 49mm(H) +SSR
Price Rs.430+Rs.30 Din Rail

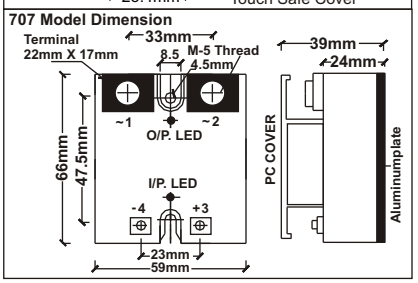
Technical Data

Output circuit - Switching element			THYRISTOR				
Operational voltage range		Vrms	42-480VAC/690VAC				
Peak inverse voltage		Vpk	1200Vpk/1600Vpk				
Rated operational current	AC 51-20°C	IT	25A AC	50A AC	90A AC	150A AC	200A AC
For utilization category	AC53a-55°C			15A AC	30A AC	60A AC	90A AC
Frequency range		HZ	45-65Hz				
Max. off-state leakage current		mA	< 5 mArms				
Minimum load current holding current		IHO	175 mA	275 mA	275 mA	250 mA	250 mA
Rated peak withstand current (t=10 ms)		ITSM	320A	800A	1200A	1700A	2250A
Max. Zero voltage turn on		Vpk	15	15	15	15	15
Max. load integral ∫ i²dt (t = 10 ms)		I²t	500A²S	3000A²S	7200A²S	15000A²S	25000A²S
Voltage drop in on-state		VTM	1.3V	1.3V	1.3V	1.4V	1.4V
Critical current gradient		di/dt	100A/µs	100 A/µs	150A/µs	150A/µs	150A/µs
Critical voltage gradient		Dv/dt	350 V/µs	1500 V/µs	1500 V/µs	1500 V/µs	1500 V/µs
Thermal resistance Rth (Junction to case) DC		ØJC	1.1	1.0	0.4	0.25	0.1
Power factor		Cosφ	0.5 (at 600VAC)				
Maximum barrier-layer temperature			125 °C				
Input circuit-control circuit /rated control supply voltage			4-32VDC				
Make voltage / Break voltage			3.8VDC/1.2VDC				
Max. current consumption			16mA				
Switching times max zero cross over make/break			1period/1period				
Ambient temperature range operation			-30...+80 °C				
Test voltage between all isolated circuits (type test)			4kVA				
Electrical connection wire size			O/p. 16sqmm (max.), I/p. 4sqmm(max.)				

801 Model Dimension



707 Model Dimension



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