

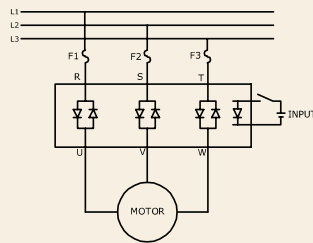
Series: 012 SJ/K

**Three Phase SSR (480~660VAC)
50~125Amps**

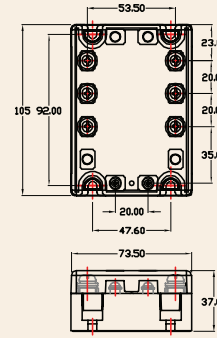
INPUT : DC Control
OUTPUT : SCR



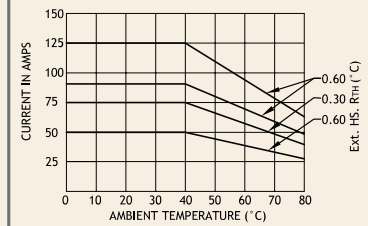
Schematic



Mechanical Drawing



Derating Curve



Salient Features

- Opto Isolation 4000 VAC • Input Control DC • Zero Voltage Turn On/Random Turn On • Load Current 3x50A/75A/90A/125A
- Reverse Polarity Protection for DC Input Control • Universal Input (optional) • Safety Cover Provision to Meet IP 20 Protection

ELECTRICAL SPECIFICATION @ TA = 25°C			NOTE: FOR RANDOM T-ON SSR, ADD LETTER 'K' IN PLACE OF 'J'			
PARAMETER	SYMBOL	UNIT	PRODUCT PART NUMBERS			
			012 SJDA 485000	012 SJDA 487500	012 SJDA 489000	012 SJDA 4812500

INPUT

PARAMETER	SYMBOL	UNIT	012 SJDA 485000	012 SJDA 487500	012 SJDA 489000	012 SJDA 4812500
Control Voltage Range		Vdc	4-32	4-32	4-32	4-32
Control Current Range		mA	50	50	50	50
Pick-up Voltage		Vdc	4.0	4.0	4.0	4.0
Drop-out Voltage		Vdc	1.0	1.0	1.0	1.0
Input Resistance		KOhms	0.65	0.65	0.65	0.65

OUTPUT

PARAMETER	SYMBOL	UNIT	012 SJDA 485000	012 SJDA 487500	012 SJDA 489000	012 SJDA 4812500
RMS on state Current	IT	A	50	75	90	125
Mains Control Voltage	Vrms	Vac	48-480	48-480	48-480	48-480
Peak Off state Voltage	Vdrm	Vpk	800-1200	800-1200	800-1200	800-1200
Peak one cycle surge Current (Non-Rep)	ITSM	A	520	750	870	1000
On state Voltage Drop	V _{TM}	Vac	1.6	1.6	1.6	1.6
Off state Leakage current	Idrm	mA	5	5	5	5
Zero T-On Voltage		Vpk	25	25	25	25
Critical Rate of Rise Off State Voltage	dv/dt	V/μs	1000	1000	1000	1000
Holding Current	I _H	mA	150	200	100	200
Fusing Current	I ² T	A ² s	1350	2812	3780	5000
Thermal Resistance	R _{TH}	°C/W	1.0	0.6	0.8	0.7
Turn-On [Zero/Random]	T-On	ms	10/0.1	10/0.1	10/0.1	10/0.1
Turn-Off [Zero/Random]	T-Off	ms	10	10	10	10
Frequency Range	f	Hz	47~63	47~63	47~63	47~63
Operating Temp	T Oper	°C	-30 to +80	-30 to +80	-30 to +80	-30 to +80

For 1200 Vpk add "60" in place of "48" (eg.: 012 SJDA 609000).

