

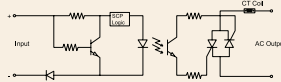
Series: 020 SCP

**Single Phase SSR (240~440VAC)
25~90Amps**

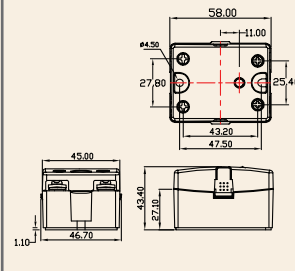
INPUT : DC Control
OUTPUT : SCR



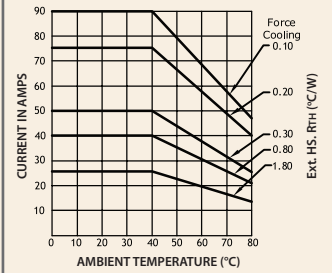
Schematic



Mechanical Drawing



Derating Curve



Salient Features

- Opto Isolation 2500 VAC
- Gets Protected Against Load Short Circuits
- Zero Voltage Turn On
- Reverse Voltage Protection
- TTL Compatible (Sink Mode)
- Output NO Configuration
- Built - In Snubber
- Panel Mountable
- Higher Load Cycle resistance
- High Thermal Cycling Capacity
- High Fusing Current
- Normal / Fault Indication

ELECTRICAL SPECIFICATION @ TA = 25°C			NOTE: FOR RANDOM T-ON SSR, ADD LETTER 'K' IN PLACE OF 'J'				
PARAMETER	SYMBOL	UNIT	PRODUCT PART NUMBERS				
			020 SCP 482500	020 SCP 484000	020 SCP 485000	020 SCP 487500	020 SCP 489000

INPUT

PARAMETER	SYMBOL	UNIT	020 SCP 482500	020 SCP 484000	020 SCP 485000	020 SCP 487500	020 SCP 489000
Control Voltage Range		Vdc	6-30	6-30	6-30	6-30	6-30
Control Current Range		mA	50	50	50	50	50
Pick-up Voltage		Vdc	6.0	6.0	6.0	6.0	6.0
Drop-out Voltage		Vdc	1.0	1.0	1.0	1.0	1.0
Input Resistance		KOhms	0.6	0.6	0.6	0.6	0.6

OUTPUT

PARAMETER	SYMBOL	UNIT	020 SCP 482500	020 SCP 484000	020 SCP 485000	020 SCP 487500	020 SCP 489000
RMS on state Current	IT	A	25	40	50	75	90
Mains Control Voltage	Vrms	Vac	48-480	48-480	48-480	48-480	48-480
Rep Peak Off state Voltage	Vdrm	Vpk	800	800	800	800	800
Peak one cycle surge Current (Non-Rep)	ITSM	A	800	800	520	750	870
On state Voltage Drop	V _{TM}	Vac	1.6	1.6	1.6	1.6	1.6
Off state Leakage current	I _{drm}	mA	5	5	5	5	5
Zero T-On Voltage		Vpk	25	25	25	25	25
Critical Rate of Rise Off state Voltage	dv/dt	V/μs	475	475	1000	1000	1000
Holding Current	I _H	mA	80	80	150	200	100
Fusing Current	I ² T	A ² s	3745	3745	1350	2812	3780
Thermal Resistance	R _{TH}	°C/W	0.86	0.86	1.0	0.6	0.8
Turn-On [Zero/Random]	T-On	ms	10/0.1	10/0.1	10/0.1	10/0.1	10/0.1
Turn-Off [Zero/Random]	T-Off	ms	10	10	10	10	10
Frequency Range	f	Hz	47~63	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	-30 to +80

