

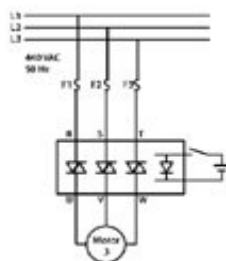
Three Phase SSR (480VAC)
10 ~ 40 Amps

INPUT : AC Control,
OUTPUT : Triac

ERI®



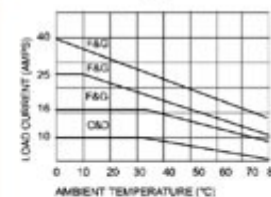
Schematic



Mechanical Drawing



Derating Curve



C & D = 0.5°C/W
F & G = 0.14°C/W

For Heatsink details refer to "Recommended Heatsink" chart

Salient Features

- Opto Isolation 2500 VAC
- Voltage Range 50 to 480 Vac
- Load Current 3x10A/16A/25A/40A

Electrical Specification @ TA = 25°C

Note: For Random T - On SSR, add letter 'K' in place of 'J'.

ELECTRICAL SPECIFICATIONS			PRODUCT PART NUMBERS			
Parameter	Symbol	Unit	012 JAA 481028	012 JAA 481628	012 JAA 482528	012 JAA 484028
Control Volt Range		Vac	90-280	90-280	90-280	90-280
Control Curr Range		m A	8-80	8-80	8-80	8-80
Pick-Up Voltage		Vac	90	90	90	90
Drop-Out Voltage		Vac	45	45	45	45
Input Resistance		K Ohms	13.0(Typ)	13.0(Typ)	13.0(Typ)	13.0(Typ)
Rms On State Current	I _T	A	10	16	25	40
Mains Control Volt	V _{rms}	Vac	50-480	50-480	50-480	50-480
Peak Off State Voltage	V _{drm}	Vpk	800 ~ 1200	800 ~ 1200	800 ~ 1200	800 ~ 1200
Off State Leakage Curr	I _{drm}	mA	10	10	10	10
Zero T-On Voltage		Vpk	20	20	20	20
On state Voltage Drop	V _{on}	Vac	1.6	1.6	1.85	1.85
Peak one Cycle Surge Curr(Non Rep)	I _{TSM}	A	100	160	250	350
Holding Current	I _H	m A	250	250	200	200
Critical Rate of Rise of Off State Voltage	dv/dt	V/μs	200	200	250	250
Thermal Resistance	R _{TH}	°C/W	3.5	2.5	1.5	1.0
Frequency Range	f	Hz	47 ~ 63	47 ~ 63	47 ~ 63	47 ~ 63
Turn-On	T-On	ms	40	40	40	40
Turn-Off	T-Off	ms	80	80	80	80
Operating Temp	T Oper	°C	- 30 to + 80	- 30 to + 80	- 30 to + 80	- 30 to + 80
Fusing Current	I _T ²	A²S	50	120	260	610

*Our policy is one of continuous development and specifications are subject to change without notice. Warranty is limited to a period of one year for relay value only.

Series : 012 J/K

Input

Output