

Overview

GT series three phase Solid State Relays is used three phase loads. triacs output. GT series is Dual triacs Power Hybrid technology provides highly efficient thermal management for greatly increased cyclic life.

Feature

- Rated operational current 3X10, 3X15, 3X25, 3X40A
- Both "Zero Voltage" & phase controllable "Random Switching" versions
- Input Voltage Range 4 to 16 Vdc, 3 to 32 Vdc
- 2500 Vrms Optical Isolation.(input/output)
- LED-indication for control input



Symbol Meaning

- G Greegoo
 - T Three phase
 - * 10-10A, 15-15A, 25-25A, 40-40A
 - * 44-440V
 - * Z-zero control, R-random control
 - * D1-4-16Vdc, D3-3-32Vdc
- For example: GT4048ZD3, 3 phase, 40A, 480Vac, 3-32Vdc control

Selection Guide

Rated Voltage	Control voltage	Rated operational current		
		10 Amp	25Amp	40Amp
440 VAC "Z"	4 to 16 Vdc	GT1044ZD1	GT2544ZD1	GT4044ZD1
440 VAC "R"	4 to 16 Vdc	GT1044RD1	GT2544RD1	GT4044RD1
440 VAC "Z"	3 to 32 Vdc	GT1044ZD3	GT2544ZD3	GT4044ZD3
440 VAC "R"	3 to 32 Vdc	GT1044RD3	GT2544RD3	GT4044RD3
440 VAC "Z"	90 to 250 Vac	GT1044ZA2	GT2544ZA2	GT4044ZA2
440 VAC "R"	90 to 250 Vac	GT1044RA2	GT2544RA2	GT4044RA2
480 VAC "Z"	4 to 16 Vdc	GT1048ZD1	GT2548ZD1	GT4048ZD1
480 VAC "R"	4 to 16 Vdc	GT1048RD1	GT2548RD1	GT4048RD1
480 VAC "Z"	3 to 32 Vdc	GT1048ZD3	GT2548ZD3	GT4048ZD3
480 VAC "R"	3 to 32 Vdc	GT1048RD3	GT2548RD3	GT4048RD3
480 VAC "Z"	90 to 250 Vac	GT1048ZA2	GT2548ZA2	GT4048ZA2
480 VAC "R"	90 to 250 Vac	GT1048RA2	GT2548RA2	GT4048RA2

Specifications

Parameter-list	Specification Limits		
	D1	D3	A2
Input Parameter			
Control Voltage Range	4 to 16Vdc	3 to 32Vdc	90 to 250 Vac
Input Current(Max.)	26/86mAdc @=5V/12V	33/56mAdc @=5V/12V	13mAac @=220V
Must Turn On Voltage	4Vdc	3Vdc	90Vac
Must Turn Off Voltage	1Vdc	1Vdc	10Vac
Reverse Voltage (Max.)	32Vdc	32Vdc	/

Specifications

Output Parameter	Units	Specification Limits		
Model No.:GT	Amp	10	25	40
Load Current Range	Arms	3X10	3X25	3X40
Surge Current 20mSec(Max.)	Arms	85	230	400
Load Voltage Range(440V)	Vrms	44 to 480		
TRIAC Over voltage(440V)	Vpk	≥1000		
Load Voltage Range(480V)	Vrms	44 to 480		
TRIAC Over voltage(480V)	Vpk	≥1000		
Thermal Resistance,(Rthjc)	°C/w	2.5	1.3	1.3
Frequency Range	Hz	47 to 63		
Off State dv/dt (Min.)	V/μsec	200		
Off State Leakage Current(Max.)	mArms	≤8		
On State Voltage Drop(Max.)	Vrms	1.6		
Turn On Time (Max.)"Z"	Cycle	1/2		
Turn On Time (Max.)"R"	mSec	1		
Turn Off Time (Max.)	Cycle	1/2		
Turn Off Time (Max.)"A2"	mSec	40		
Dielectric (Input/Output)	Vrms	2500		
Dielectric (Input-Output/Base)	Vrms	2500		
Capacitance	pf	10		
Ambient Temperature Range	Operating or Storage -30°C to +80°C			
Weight (Typical)	430g			
Base Plate	Copper , nikel-plated			
Case Color	Black			
Led Display	Yes			

Dimension

