

GD 10 to 40 Amps AC SSR



Solid state relays (triacs output)

Series GD Solid State Relays are AC relays, Triac Output. The triac version of the zero switching relay is an inexpensive solution for resistive loads. The zero switching relay switches on when the AC sine voltage just crosses zero, and switches off when the current crosses zero.

Features

- Rated operational current 10 to 40 Amps.
- Rated operational voltage 240V or 440 V.
- Input Voltage Range 4 to 16 Vdc, 4 to 32 Vdc or 90 to 250 Vac.
- 4000 Vrms Optical Isolation. (input/output)
- Both "Zero Voltage" & phase controllable "Random Switching" versions.
- LED-indication for control input.

Symbol

Meaning

G	Greegoo
D	Single phase
*	10-10A, 25-25A, 40-40A
*	24-240V, 48-480V
*	Z-zero control, R-random control
*	D1-4-16Vdc, D3-4-32Vdc, A2-90-250Vac

For example: GD4048ZD3, single phase, 40A, 480Vac, 4-32Vdc control

Selection Guide

Rated Voltage	Control voltage	Rated operational current		
		10 Amp	25Amp	40Amp
240 VAC "Z"	4 to 16 Vdc	GD1024ZD1	GD2524ZD1	GD4024ZD1
240 VAC "R"	4 to 16 Vdc	GD1024RD1	GD2524RD1	GD4024RD1
240 VAC "Z"	4 to 32 Vdc	GD1024ZD3	GD2524ZD3	GD4024ZD3
240 VAC "R"	4 to 32 Vdc	GD1024RD3	GD2524RD3	GD4024RD3
240 VAC "Z"	90 to 250Vac	GD1024ZA2	GD2524ZA2	GD4024ZA2
240 VAC "R"	90 to 250Vac	GD1024RA2	GD2524RA2	GD4024RA2
440 VAC "Z"	4 to 16 Vdc	GD1044ZD1	GD2544ZD1	GD4044ZD1
440 VAC "R"	4 to 16 Vdc	GD1044RD1	GD2544RD1	GD4044RD1
440 VAC "Z"	4 to 32 Vdc	GD1044ZD3	GD2544ZD3	GD4044ZD3
440 VAC "R"	4 to 32 Vdc	GD1044RD3	GD2544RD3	GD4044RD3
440 VAC "Z"	90 to 250Vac	GD1044ZA2	GD2544ZA2	GD4044ZA2
440 VAC "R"	90 to 250Vac	GD1044RA2	GD2544RA2	GD4044RA2
Rated Voltage	Control voltage	Rated operational current		
		10 Amp	25Amp	40Amp
280 VAC "Z"	4 to 16 Vdc	GD1028ZD1	GD2528ZD1	GD4028ZD1
280 VAC "R"	4 to 16 Vdc	GD1028RD1	GD2528RD1	GD4028RD1
280 VAC "Z"	4 to 32 Vdc	GD1028ZD3	GD2528ZD3	GD4028ZD3
280 VAC "R"	4 to 32 Vdc	GD1028RD3	GD2528RD3	GD4028RD3
280 VAC "Z"	90 to 250Vac	GD1028ZA2	GD2528ZA2	GD4028ZA2
280 VAC "R"	90 to 250Vac	GD1028RA2	GD2528RA2	GD4028RA2
480 VAC "Z"	4 to 16 Vdc	GD1048ZD1	GD2548ZD1	GD4048ZD1
480 VAC "R"	4 to 16 Vdc	GD1048RD1	GD2548RD1	GD4048RD1
480 VAC "Z"	4 to 32 Vdc	GD1048ZD3	GD2548ZD3	GD4048ZD3
480 VAC "R"	4 to 32 Vdc	GD1048RD3	GD2548RD3	GD4048RD3
480 VAC "Z"	90 to 250Vac	GD1048ZA2	GD2548ZA2	GD4048ZA2
480 VAC "R"	90 to 250Vac	GD1048RA2	GD2548RA2	GD4048RA2

GD 10 to 40 Amps AC SSR

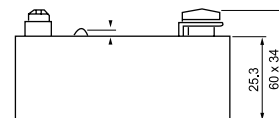
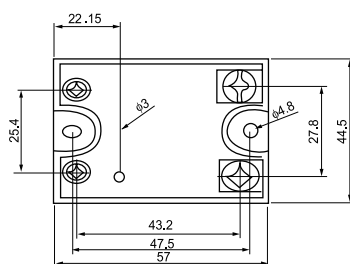


Specifications

Parameter-list	Specification Limits		
Input Parameter	D1	D3	A2
Control Voltage Range	4 to 16Vdc	4 to 32Vdc	90 to 250Vac
Input Current(Max.)	7/20mAdc @=5V/12V	13/16mAdc @=5V/12V	30mAac @=220V
Must Turn On Voltage	4Vdc	4Vdc	90Vac
Must Turn Off Voltage	1Vdc	1Vdc	10Vac
Reverse Voltage (Max.)	32Vdc	32Vdc	/

Output Parameter	Units	Specification Limits		
Model No.:GD	Amp	10	25	40
Load Current Range	Arms	0.05 to 10	0.05 to 25	0.05 to 40
Surge Current 20mSec(Max.)	Arms	85	230	400
Load Voltage Range(240V)	Vrms	24 to 280		
TRIAC Over voltage(240V)	Vpk	≥600		
Load Voltage Range(440V)	Vrms	44 to 440		
TRIAC Over voltage(440V)	Vpk	≥800		
Thermal Resistance,(Rthjc)	°C/w	2.5	1.3	1.1
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)	145g			
Base Plate	Copper, nikel-plated			
Case Color	Black			
Led Display	Yes			

Dimension



GDH 40 to 120Amps AC SSR



Single phase Solid State Relay (SCR output)

Series GDH are power line relays allowing 40 to 120 Amps. switching power, with Voltage ratings from 280 to 480 Volts A.C. GDH series is Dual SCR Power Hybrid technology provides highly efficient thermal management for greatly increased cyclic life.

Features

- High performance/low cost circuit design.
- Logic compatible current regulated input.
- 2500 Vrms optical isolation.
- Both "Zero Voltage" & phase controllable "Random Switching" versions.
- High voltage (1200 Vpk) versions for 480 Vrms service.
- LED-indication for control input.
- Control voltage range: 4~16 Vdc, 4 to 32 Vdc or 90~250Vac

Symbol

Meaning

G	Greegoo
D	Single phase
H	SCR output
*	40-40A, 60-60A, 80-80A, 100-100A, 120-120A
*	28-280V, 48-480V
*	Z-zero control, R-random control
*	D1-4-16Vdc, D3-4-32Vdc, A2-90-250Vac

For example: GDH4048ZD3, single phase, SCR output, 40A, 480Vac, 4-32Vdc control

Selection Guide

Rated Voltage	Control voltage	Rated operational current		
		40 Amp	60Amp	80Amp
280 VAC "Z"	4 to 16 Vdc	GDH4028ZD1	GDH6028ZD1	GDH8028ZD1
280 VAC "R"	4 to 16 Vdc	GDH4028RD1	GDH6028RD1	GDH8028RD1
280 VAC "Z"	4 to 32 Vdc	GDH4028ZD3	GDH6028ZD3	GDH8028ZD3
280 VAC "R"	4 to 32 Vdc	GDH4028RD3	GDH6028RD3	GDH8028RD3
280 VAC "Z"	90 to 250Vac	GDH4028ZA2	GDH6028ZA2	GDH8028ZA2
280 VAC "R"	90 to 250Vac	GDH4028RA2	GDH6028RA2	GDH8028RA2
480 VAC "Z"	4 to 16 Vdc	GDH4048ZD1	GDH6048ZD1	GDH8048ZD1
480 VAC "R"	4 to 16 Vdc	GDH4048RD1	GDH6048RD1	GDH8048RD1
480 VAC "Z"	4 to 32 Vdc	GDH4048ZD3	GDH6048ZD3	GDH8048ZD3
480 VAC "R"	4 to 32 Vdc	GDH4048RD3	GDH6048RD3	GDH8048RD3
480 VAC "Z"	90 to 250Vac	GDH4048ZA2	GDH6048ZA2	GDH8048ZA2
480 VAC "R"	90 to 250Vac	GDH4048RA2	GDH6048RA2	GDH8048RA2
		100 Amp		120Amp
280 VAC "Z"	4 to 16 Vdc	GDH10028ZD1		GDH12028ZD1
280 VAC "R"	4 to 16 Vdc	GDH10028RD1		GDH12028RD1
280 VAC "Z"	4 to 32 Vdc	GDH10028ZD3		GDH12028ZD3
280 VAC "R"	4 to 32 Vdc	GDH10028RD3		GDH12028RD3
280 VAC "Z"	90 to 250Vac	GDH10028ZA2		GDH12028ZA2
280 VAC "R"	90 to 250Vac	GDH10028RA2		GDH12028RA2
480 VAC "Z"	4 to 16 Vdc	GDH10048ZD1		GDH12048ZD1
480 VAC "R"	4 to 16 Vdc	GDH10048RD1		GDH12048RD1
480 VAC "Z"	4 to 32 Vdc	GDH10048ZD3		GDH12048ZD3
480 VAC "R"	4 to 32 Vdc	GDH10048RD3		GDH12048RD3
480 VAC "Z"	90 to 250Vac	GDH10048ZA2		GDH12048ZA2
480 VAC "R"	90 to 250Vac	GDH10048RA2		GDH12048RA2

GDH 40 to 120Amps AC SSR

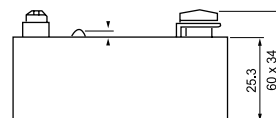
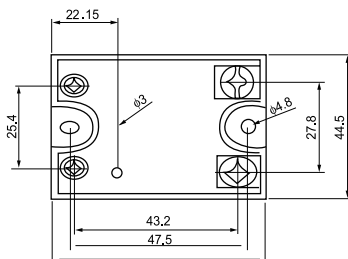


Specifications

Parameter-list	Specification Limits					
Input Parameter	D1	D3			A2	
Control Voltage Range	4 to 16Vdc	4 to 32Vdc			90 to 250Vac	
Input Current(Max.)	7/20mAdc @=5V/12V	13/16mAdc @=5V/12V			30mAac @=220V	
Must Turn On Voltage	4Vdc	4Vdc			90Vac	
Must Turn Off Voltage	1Vdc	1Vdc			10Vac	
Reverse Voltage (Max.)	32Vdc	32Vdc			/	

Output Parameter	Units	Specification Limits				
Model No.:GDH	Amp	40	60	80	100	120
Load Current Range	Arms	0.05 to 40	0.05 to 60	0.05 to 80	0.05 to 100	0.05 to 120
Surge Current 20mSec(Max.)	Arms	400	600	1000	1200	1500
Load Voltage Range(280V)	Vrms	24 to 280				
SCR Over voltage(280V)	Vpk	≥800				
Load Voltage Range(480V)	Vrms	44 to 480				
SCR Over voltage(480V)	Vpk	≥1200				
Thermal Resistance,(Rthjc)	°C/w	1.3	0.65	0.5	0.3	0.3
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)	145g					
Base Plate	Copper, nikel-plated					
Case Color	Black					
Led Display	Yes					

Dimension



GDH 60 to 150Amps AC SSR



Single phase Solid State Relay (SCR output)

Series GDH are power line relays allowing 60 to 150 Amps. switching power, with Voltage ratings from 280 to 480 Volts A.C. GDH series is Dual SCR Power Hybrid technology provides highly efficient thermal management for greatly increased cyclic life.

Features

- High performance/low cost circuit design.
- Logic compatible current regulated input.
- 2500 Vrms optical isolation.
- Both "Zero Voltage" & phase controllable "Random Switching" versions.
- High voltage (1200 Vpk) versions for 480 Vrms service.
- LED-indication for control input.
- Control voltage range: 4~16 Vdc, 4 to 32 Vdc or 90~250Vac.

Symbol Meaning

G	Greegoo
D	Single phase
H	SCR output
*	60-60A, 80-80A, 100-100A, 120-120A, 150-150A
*	28-280V, 48-480V
*	Z-zero control, R-random control
*	D1-4-16Vdc, D3-4-32Vdc, A2-90-250Vac

For example: GDH8048ZD3, single phase, SCR output, 80A, 480Vac, 4-32Vdc control

Selection Guide

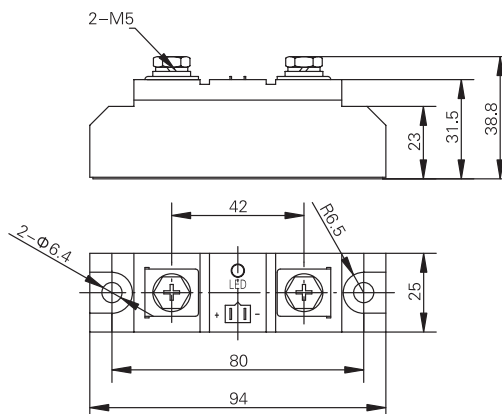
Rated Voltage	Control voltage	Rated operational current		
		60 Amp	80Amp	100Amp
280 VAC "Z"	4 to 16 Vdc	GDH6028ZD1B	GDH8028ZD1B	GDH10028ZD1B
280 VAC "R"	4 to 16 Vdc	GDH6028RD1B	GDH8028RD1B	GDH10028RD1B
280 VAC "Z"	4 to 32 Vdc	GDH6028ZD3B	GDH8028ZD3B	GDH10028ZD3B
280 VAC "R"	4 to 32 Vdc	GDH6028RD3B	GDH8028RD3B	GDH10028RD3B
280 VAC "Z"	90 to 250Vac	GDH6028ZA2B	GDH8028ZA2B	GDH10028ZA2B
280 VAC "R"	90 to 250Vac	GDH6028RA2B	GDH8028RA2B	GDH10028RA2B
480 VAC "Z"	4 to 16 Vdc	GDH6048ZD1B	GDH8048ZD1B	GDH10048ZD1B
480 VAC "R"	4 to 16 Vdc	GDH6048RD1B	GDH8048RD1B	GDH10048RD1B
480 VAC "Z"	4 to 32 Vdc	GDH6048ZD3B	GDH8048ZD3B	GDH10048ZD3B
480 VAC "R"	4 to 32 Vdc	GDH6048RD3B	GDH8048RD3B	GDH10048RD3B
480 VAC "Z"	90 to 250Vac	GDH6048ZA2B	GDH8048ZA2B	GDH10048ZA2B
480 VAC "R"	90 to 250Vac	GDH6048RA2B	GDH8048RA2B	GDH10048RA2B
		120 Amp		150Amp
280 VAC "Z"	4 to 16 Vdc	GDH12028ZD1B		GDH15028ZD1B
280 VAC "R"	4 to 16 Vdc	GDH12028RD1B		GDH15028RD1B
280 VAC "Z"	4 to 32 Vdc	GDH12028ZD3B		GDH15028ZD3B
280 VAC "R"	4 to 32 Vdc	GDH12028RD3B		GDH15028RD3B
280 VAC "Z"	90 to 250Vac	GDH12028ZA2B		GDH15028ZA2B
280 VAC "R"	90 to 250Vac	GDH12028RA2B		GDH15028RA2B
480 VAC "Z"	4 to 16 Vdc	GDH12048ZD1B		GDH15048ZD1B
480 VAC "R"	4 to 16 Vdc	GDH12048RD1B		GDH15048RD1B
480 VAC "Z"	4 to 32 Vdc	GDH12048ZD3B		GDH15048ZD3B
480 VAC "R"	4 to 32 Vdc	GDH12048RD3B		GDH15048RD3B
480 VAC "Z"	90 to 250Vac	GDH12048ZA2B		GDH15048ZA2B
480 VAC "R"	90 to 250Vac	GDH12048RA2B		GDH15048RA2B

GDH 60 to 150 Amps AC SSR


Specifications

Parameter-list	Specification Limits		
Input Parameter	D1	D3	A2
Control Voltage Range	4 to 16Vdc	4 to 32Vdc	90 to 250Vac
Input Current(Max.)	13/42mAdc @=5V/12V	13/16mAdc @=5V/12V	30mAac @=220V
Must Turn On Voltage	4Vdc	3.5Vdc	90Vac
Must Turn Off Voltage	1Vdc	1Vdc	10Vac
Reverse Voltage (Max.)	32Vdc	32Vdc	/

Output Parameter	Units	Specification Limits				
Model No.:GDH	Amp	60	80	100	120	150
Load Current Range	Arms	0.05 to 60	0.05 to 80	0.05 to 100	0.05 to 120	0.05 to 150
Surge Current 20mSec(Max.)	Arms	600	1000	1200	1500	2000
Load Voltage Range(240V)	Vrms	24 to 280				
SCR Over voltage(240V)	Vpk	≥800				
Load Voltage Range(440V)	Vrms	44 to 480				
SCR Over voltage(440V)	Vpk	≥1200				
Thermal Resistance,(Rthjc)	°C/w	0.65	0.5	0.3	0.3	0.3
Frequency Range	Hz	47 to 63				
Off State dv/dt (Min.)	V/μsec	500				
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)	150g					
Base Plate	Copper, nikel-plated					
Case Color	Black					
Led Display	Yes					

Dimension


GDH 200 to 400Amps AC SSR



Single phase Solid State Relay (SCR output)

Series GDH are power line relays allowing 200 to 400 Amps. switching power, with Voltage ratings from 280 to 480 Volts A.C. GDH series is Dual SCR Power Hybrid technology provides highly efficient thermal management for greatly increased cyclic life.

Features

- High performance/low cost circuit design.
- Logic compatible current regulated input.
- 2500 Vrms optical isolation.
- Both "Zero Voltage" & phase controllable "Random Switching" versions.
- High voltage (1200 Vpk) versions for 480 Vrms service.
- LED-indication for control input.
- Control voltage range: 4~16 Vdc, 4 to 32 Vdc or 90~250Vac.

Symbol

Meaning

G	Greegoo
D	Single phase
H	SCR output
*	200-200A, 250-250A, 300-300A, 350-350A, 400-400A
*	28-280V, 48-480V
*	Z-zero control, R-random control
*	D1-4-16Vdc, D3-4-32Vdc, A2-90-250Vac

For example: GDH25048ZD3, single phase, SCR output, 250A, 480Vac, 4-32Vdc control

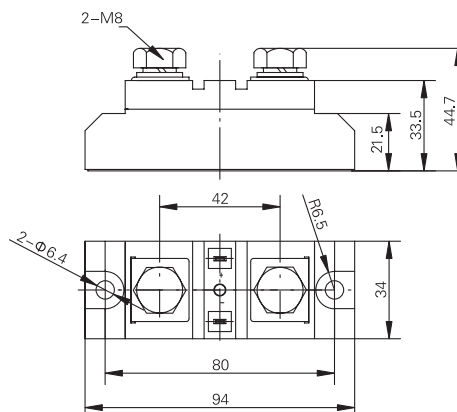
Selection Guide

Rated Voltage	Control voltage	Rated operational current		
		200 Amp	250Amp	300Amp
280 VAC "Z"	4 to 16 Vdc	GDH20028ZD1B	GDH25028ZD1B	GDH30028ZD1B
280 VAC "R"	4 to 16 Vdc	GDH20028RD1B	GDH25028RD1B	GDH30028RD1B
280 VAC "Z"	4 to 32 Vdc	GDH20028ZD3B	GDH25028ZD3B	GDH30028ZD3B
280 VAC "R"	4 to 32 Vdc	GDH20028RD3B	GDH25028RD3B	GDH30028RD3B
280 VAC "Z"	90 to 250Vac	GDH20028ZA2B	GDH25028ZA2B	GDH30028ZA2B
280 VAC "R"	90 to 250Vac	GDH20028RA2B	GDH25028RA2B	GDH30028RA2B
480 VAC "Z"	4 to 16 Vdc	GDH20048ZD1B	GDH25048ZD1B	GDH30048ZD1B
480 VAC "R"	4 to 16 Vdc	GDH20048RD1B	GDH25048RD1B	GDH30048RD1B
480 VAC "Z"	4 to 32 Vdc	GDH20048ZD3B	GDH25048ZD3B	GDH30048ZD3B
480 VAC "R"	4 to 32 Vdc	GDH20048RD3B	GDH25048RD3B	GDH30048RD3B
480 VAC "Z"	90 to 250Vac	GDH20048ZA2B	GDH25048ZA2B	GDH30048ZA2B
480 VAC "R"	90 to 250Vac	GDH20048RA2B	GDH25048RA2B	GDH30048RA2B
		350 Amp	400Amp	
280 VAC "Z"	4 to 16 Vdc	GDH35028ZD1B	GDH40028ZD1B	
280 VAC "R"	4 to 16 Vdc	GDH35028RD1B	GDH40028RD1B	
280 VAC "Z"	4 to 32 Vdc	GDH35028ZD3B	GDH40028ZD3B	
280 VAC "R"	4 to 32 Vdc	GDH35028RD3B	GDH40028RD3B	
280 VAC "Z"	90 to 250Vac	GDH35028ZA2B		
280 VAC "R"	90 to 250Vac	GDH35028RA2B		
480 VAC "Z"	4 to 16 Vdc	GDH35048ZD1B	GDH40048ZD1B	
480 VAC "R"	4 to 16 Vdc	GDH35048RD1B	GDH40048RD1B	
480 VAC "Z"	4 to 32 Vdc	GDH35048ZD3B	GDH40048ZD3B	
480 VAC "R"	4 to 32 Vdc	GDH35048RD3B	GDH40048RD3B	
480 VAC "Z"	90 to 250Vac	GDH35048ZA2B		
480 VAC "R"	90 to 250Vac	GDH35048RA2B		

GDH 200 to 400Amps AC SSR


Specifications

Parameter-list	Specification Limits					
Input Parameter	D1	D3			A2	
Control Voltage Range	4 to 16Vdc	4 to 32Vdc			90 to 250Vac	
Input Current(Max.)	13/42mAdc @=5V/12V	13/16mAdc @=5V/12V			30mAac @=220V	
Must Turn On Voltage	4Vdc	3.5Vdc			90Vac	
Must Turn Off Voltage	1Vdc	1Vdc			10Vac	
Reverse Voltage (Max.)	32Vdc	32Vdc			/	
Output Parameter	Units	Specification Limits				
Model No.:GDH	Amp	200	250	300	350	400
Load Current Range	Arms	0.05 to 200	0.05 to 250	0.05 to 300	0.05 to 350	0.05 to 400
Surge Current 20mSec(Max.)	Arms	2500	3400	4500	5000	6000
Load Voltage Range(240V)	Vrms	24 to 280				
SCR Over voltage(240V)	Vpk	≥800				
Load Voltage Range(440V)	Vrms	44 to 480				
SCR Over voltage(440V)	Vpk	≥1200				
Thermal Resistance,(Rthjc)	°C/w	0.22	0.15	0.14	0.13	0.12
Frequency Range	Hz	47 to 63				
Off State dv/dt (Min.)	V/μsec	500				
Off State Leakage Current(Max.)	mArms	≤10				
On State Voltage Drop(Max.)	Vrms	1.8				
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)	280g					
Base Plate	Copper, nikel-plated					
Case Color	Black					
Led Display	Yes					

Dimension


GDH 500 to 1000Amps AC SSR



Single phase Solid State Relay (SCR output)

Series GDH are power line relays allowing 500 to 1000 Amps. switching power, with Voltage ratings from 280 to 480 Volts A.C. GDH series is Dual SCR Power Hybrid technology provides highly efficient thermal management for greatly increased cyclic life.

Features

- High performance/low cost circuit design.
- Logic compatible current regulated input.
- 2500 Vrms optical isolation.
- Both "Zero Voltage" & phase controllable "Random Switching" versions.
- High voltage (1200 Vpk) versions for 480 Vrms service.
- LED-indication for control input.
- Control voltage range: 4~16 Vdc, 4 to 32 Vdc or 90~250Vac.

Symbol

G

D

H

*

*

*

*

Meaning

Greegoo

Single phase

SCR output

500-500A, 600-600A, 800-800A, 1000-1000A

28-280V, 48-480V

Z-zero control, R-random control

D1-4-16Vdc, D3-4-32Vdc, A2-90-250Vac

For example: GDH50048ZD3, single phase, SCR output, 500A, 480Vac, 3-32Vdc control

Selection Guide

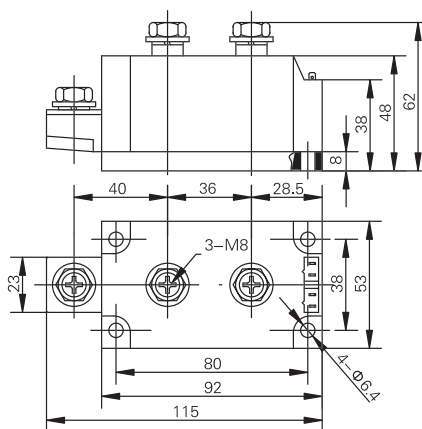
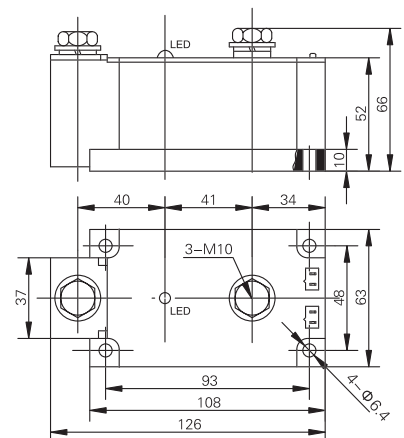
Rated Voltage	Control voltage	Rated operational current	
		500 Amp	600Amp
240 VAC "Z"	4 to 16 Vdc	GDH50024ZD1B	GDH60024ZD1B
240 VAC "R"	4 to 16 Vdc	GDH50024RD1B	GDH60024RD1B
240 VAC "Z"	4 to 32 Vdc	GDH50024ZD3B	GDH60024ZD3B
240 VAC "R"	4 to 32 Vdc	GDH50024RD3B	GDH60024RD3B
440 VAC "Z"	4 to 16 Vdc	GDH50044ZD1B	GDH60044ZD1B
440 VAC "R"	4 to 16 Vdc	GDH50044RD1B	GDH60044RD1B
440 VAC "Z"	4 to 32 Vdc	GDH50044ZD3B	GDH60044ZD3B
440 VAC "R"	4 to 32 Vdc	GDH50044RD3B	GDH60044RD3B
		800Amp	1000Amp
280 VAC "Z"	4 to 16 Vdc	GDH80028ZD1B	GDH100028ZD1B
280 VAC "R"	4 to 16 Vdc	GDH80028RD1B	GDH100028RD1B
280 VAC "Z"	4 to 32 Vdc	GDH80028ZD3B	GDH100028ZD3B
280 VAC "R"	4 to 32 Vdc	GDH80028RD3B	GDH100028RD3B
480 VAC "Z"	4 to 16 Vdc	GDH80048ZD1B	GDH100048ZD1B
480 VAC "R"	4 to 16 Vdc	GDH80048RD1B	GDH100048RD1B
480 VAC "Z"	4 to 32 Vdc	GDH80048ZD3B	GDH100048ZD3B
480 VAC "R"	4 to 32 Vdc	GDH80048RD3B	GDH100048RD3B

Parameter-list	Specification Limits	
Input Parameter	D1	D3
Control Voltage Range	4 to 16Vdc	4 to 32Vdc
Input Current(Max.)	13/42mAdc @=5V/12V	13/16mAdc @=5V/12V
Must Turn On Voltage	4Vdc	3.5Vdc
Must Turn Off Voltage	1Vdc	1Vdc
Reverse Voltage (Max.)	32Vdc	32Vdc

GDH 500 to 1000Amps AC SSR


Specifications

Output Parameter	Units	Specification Limits			
Model No.:GDH	Amp	500	600	800	1000
Load Current Range	Arms	0.05 to 500	0.05 to 600	0.05 to 800	0.05 to 1000
Surge Current 20mSec(Max.)	Arms	7200	8800	11500	12000
Load Voltage Range(240V)	Vrms	24 to 280			
SCR Over voltage(240V)	Vpk	≥1000			
Load Voltage Range(440V)	Vrms	44 to 480			
SCR Over voltage(440V)	Vpk	≥1200			
Thermal Resistance,(Rthjc)	°C/w	0.1	0.1	0.08	0.07
Frequency Range	Hz	47 to 63			
Off State dv/dt (Min.)	V/μsec	500			
Off State Leakage Current(Max.)	mArms	≤10			
On State Voltage Drop(Max.)	Vrms	1.8			
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)	g	880	880	1500	1500
Base Plate	Copper, nikel-plated				
Case Color	Black				
Led Display	Yes				

Dimension

500A~600A

800A~1000A