

300A/400A DC SSR for frequency converters

300A/400A DC Solid State Relay special for frequency converters

GZ***DBP series solid state relay is a kind of semiconductor switch specially designed for voltage type frequency converters and consists of photocoupling circuit and SCR circuit. Compared with other conventional contactors, it features low power consumption, fast speed, no spark interference, small size, light weight, long service life etc and really ideal replacement of ac magnetic contactors. It's recommended to use with radiator together and paste the heat conducting silica gel between radiator and SSR.

Characteristics:

- Bar type, convenient installation and operation
- High blocking voltage, 600~2200V selectable
- High power, high surge current capability
- LED input indication

Main parameters	Symbols	GZ30060DBP	GZ40060DBP
Control voltage range	Vdc	19-30	19-30
Control current range	mAdc	10-18 (Iin=13.5mA, Vin=24Vdc)	10-18 (Iin=13.5mA, Vin=24Vdc)
Turn-on voltage	Vdc	19	19
Turn-off voltage	Vdc	1	1
Reverse voltage	Vdc	10	10
Output parameters			
Max working current	Adc	300	400
Overload current	Iov A	450	600
Surge current	I _{tsm} A	3000	4000
Rated operation voltage	Vdc	600	600
Max blocking voltage	Vpk	1600	1600
Surge voltage	Vsm V	1200	1200
Off-state leakage current	mA	15	20
On-state voltage drop	V	1.6	1.6
Turn-on time	ms	0.1	0.1
Frequency range	Hz	47-63	47-63
Thermal resistance (junction to case)	°C/W	0.025	0.025
Other parameters			
Isolation voltage(Input / Output / Baseplate)	Vrms	2500	2500
Working temperature range	°C	-30~+80	-30~+80
Storage temperature range	°C	-30~+80	-30~+80