

Specifications

PARAMETER	Units	Specification Limits			
Model No. GDF		60A	80A	120A	250A
Input Parameter					
Control Voltage	Vdc	12			
Input Current (Max.)	mAdc	95	95	180	180
Display LED		yes			

Output Parameter

Current Range Max	Arms	0.05 to 60	0.05 to 80	0.05 to 120	0.05 to 250
Surge Current, 20 mSec (Max.)	Arms	600	1000	1500	2800
Working current of capacitor	Arms	<16	<21	<31	<63
Load Voltage Range (480V)	Vrms	48 to 480			
SCR Over voltage (480V)	Vpk	1200			
Load Voltage Range (530V)	Vrms	53 to 530			
SCR Over voltage (530V)	Vpk	>1400			
Frequency Range	Hz	47 to 63			
Off State dv/dt (Min)	V/μsec	500			
Off State Leakage Current (Max.)	mArms	<8		<10	
On State Voltage Drop (Max.)	Vrms	1.8		1.6	
Thermal Resistance, (Rthjc)	°C/W	0.65	0.5	0.3	0.2
Turn On Time (Max.)	Cycle	1/2			
Turn off delay-time (Max.)	mSec	40 to 100			
Holding contact connect delay-time	mSec	40 to 100			
Holding contact resistance (Max.)	mΩ	50	50	30	30

Coupling Specifications

Dielectric (Input/Output)	Vrms	1500			
Dielectric (Input-Output/Base)	Vrms	2500			
Capacitance	pf	10			

General Specifications

Weight: (typical)	g	300	390
Mounting Dimensions: LxWxH	mm	94x34x64.7	94x34x87
Ambient temperature range: operating or Storage		-30°C to +80°C	
Case Color: Black			