

K3063Li Protection Relay Test Set



Features

1. Adopt advanced scm as the control system which performs steadily and works immediately once the test set is started.
2. Scientific software organization mode and effective hardware guarantee to insure satisfied test effect.
3. Transient current response $20\mu\text{s}$; transient voltage $30\mu\text{s}$.
4. Simultaneous output of voltage source (7 channels) and current source (6 channels) ; amplitude, phase and frequency adjustable independently; accuracy of output source adjustable by software;
5. Adopt the latest network technology to control by PC, widely applied;
6. Self-protection functions, such as voltage short circuit protection, current open circuit indication, and external input source induction alarm, etc;
7. Max. AC 300V per phase and provide independent Aux. DC source (0~300V adjustable);
8. Adopt EMC chassis and obtained CE approval.

Technical Data of K3063Li

Voltage generators		
Setting	4-phase AC (L-N)	4 x 0 ... 300 V
Range	2-phase AC (L-L)	2 x 0 ... 600 V
Power	4-phase AC (L-N)	4 x 110VA, at 0 ... 300 V
	2-phase AC (L-L)	2 x 220VA, at 0 ... 600 V
Accuracy	<0.07% reading+0.03% range guaranteed at 0...300 V; <0.04% reading + 0.01% range typical at 0...300V	
Resolution	1mV	
Current generators		
Setting	6-phase AC (L-N)	6 x 0 ... 30 A
Range	3-phase AC (L-N)	3 x 0 ... 60 A (Group A II B)
	1-phase AC (3L-N)	1 x 0 ... 180 A
Power	6-phase AC (L-N)	6x450 VA at 0...30 A;
	3-phase AC (L-N)	3x900 VA at 0...60 A(Group A B)
	1-phase AC (3L-N)	1x1500 VA at 0...180 A(max)
Accuracy	<0.07% reading+0.03% range guaranteed at 0...30 A; <0.02% reading+0.01% range typical at 0...30 A;	
Resolution	1mA	
Generators, general		
Frequency	Range	0 ... 1000 Hz
	Accuracy / drift	<0.001 Hz at 0...450 Hz; <0.01 Hz at 450...1000 Hz
	Resolution	0.001 Hz
Phase	Range	- 360° ... +360°
	Accuracy / drift	Error < 0.2 °
	Resolution	0.1°
Time	Range	Infinite
	Accuracy / drift	1 ms
DC generators		
Voltage ranges	0 ... 300 V/180 W	
Current ranges	0 ... 20 A/300 W	
Accuracy	<0.07% reading+0.03% range guaranteed at 0...300 V;	
	<0.04% reading+0.02% range typical at 0...300 V;	
	<0.14% reading+0.06% range guaranteed at 0...20 A;	
	<0.05% reading+0.02% range typical at 0...20 A;	
Resolution	1 mA; 1 mV	
Aux DC Supply		
Range	0...300 V/0.6 A	
Binary inputs		
Number	8 pairs	

Compatible Voltage	0 V ... 250 V
Binary outputs	
Number	4 Pairs
Capacity	250 V/3 A
Synchronization	
Synchronization mode	GPS
Harmonic	
Harmonic overlap times	2 ... 20 times
Power supply	
Nominal input voltage	85 V...264 V AC
Power	1000VA
Nominal frequency	47 Hz...65 Hz
Environmental conditions	
Operation temperature	-5°C...55°C
Storage temperature	-25°C ... 70 °C
Humidity range	5% ... 90 %, non-condensing
Weight	17.5 KG
Dimensions	360×480×140(mm)
Interface	RJ45
PC Connection	RJ45

Major functions:

Items	IEEE(R) No.
Synchronization relay	
Fault transplay	
GPS Synchronization	
Overcurrent relays	50/76
Inverse time overcurrent relays	51
Undercurrent relays	37
Ground fault relays	50
Directional overcurrent relays	67
Directional ground fault relays	67N
Overvoltage relays	59
Undervoltage relays	27
Directional voltage relays	91
Directional power relays	32
Power factor relays	55
Differential protection (differential circuits)	87
Distance protection equipment (phase by phase)	21
Negative sequence overcurrent relays	46N
Motor overload protection	51/86
Automatic reclosing devices	79
Tripping relays	94
Voltage regulating relays	
Overimpedance relays, $Z>$	
Underimpedance relays, Z	
Time-delay relays	