PFS single phase power fail simulator

As per
> EN/IEC 61000-4-11
> EN/IEC 61000-4-29
> GB/T 17626.11
> GB/T 17626.29

Description

PFS single phase power fail simulator simulates voltage dip, interruption and variation which are caused by power grid and transformer devices due to malfunction or sudden large change of load. It is required to test this kind of phenomena to check whether electronic and electrical device can sustain safety operating condition. PFS 2216 SV is equipped with two semiconductor switch controlled independently. It can withstand impulse current and each switch has electronic protection function.

Features

> 5.7 inch color touch screen

> Full compliant test as per IEC 61000-4-11

> Built-in multi functional test module

> Data acquisition of voltage and current

> Programmable test procedures

> Ethernet RJ45, PC remote control, test report documentation and print

Industries

> Communication	> Technology
> Telecom	> Military
> Medical	> Avionics
> Broadcast	> New energy
> Railway	

General Data	
Display	5.7 inch TFT touch screen
Power supply	110V/220V, ±10%, 50/60Hz
Fuse	6A
Max. Power consumption	100W
Memory space	Infinite (PC)
Communication mode	Ethernet LAN、RJ45
External control	D-sub 25p
External trigger	BNC,5V TTL
CRO output	BNC,5V TTL
Input	BNC,5V TTL
Synchronization	45-65Hz, 20-500V between dotted terminal & undotted terminal
Warning LED	0-220VAC 10A/0-48VDC 3A Depending on external signal lamp
Safety circuit	Test only can be started when it is closed
Failure test	Display on LCD and interrupt the work at failure case
EUT voltage monitoring output	BNC，100:1 coaxial output
EUT current monitoring output	BNC，10A:1V coaxial output
Working indicator	LED, LCD front panel display
Grounding	Flat ground line
EUT power injection	4mm banana line
Output mode	Standard 1m coaxial cable
Size	19 inch/6U/4U or 22U cabinet
Weight （different weight for different model）	Eg. PFS 2210SVD / PFS 2210SD / PFS 2216SD weight: 40Kg; PFS 1130D weight: 24Kg or 100kg (with the power supply)
Temperature	15–35℃
Humidity	45%–75%
Air pressure	86kPa–106kPa

Peak impulse capacity of simulator	
Rated current	Withstand current impulse capacity
PFS 2210SD	500A
PFS 2210SVD	500A
PFS 2216SD	500A
PFS 2216SVD	500A
PFS 2232SD	500A
PFS 2232SVD	500A
PFS 0505D	24V/50A,48V/100A
PFS 0510D	24V/50A,48V/100A
PFS 1110D	24V/50A,48V/100A,110V/220A
PFS 1120D	24V/50A,48V/100A,110V/220A
PFS 1125D	24V/50A,48V/100A,110V/220A
PFS 1130D	24V/50A,48V/100A,110V/220A
PFS 1150D	24V/50A,48V/100A,110V/220A
PFS 2210D	24V/50A,48V/100A,110V/220A
PFS 2225D	24V/50A,48V/100A,110V/220A
PFS 2250D	24V/50A,48V/100A,110V/220A

Simulator with rated current no more than 16A meets the load capacity specified in IEC 61000-4-11	
Rated current	Load current capacity
PFS 2210SD PFS 2210SVD	12A AC/DC continuous current; 15A continuous 5s; 25Acontinuous 3s;
PFS 2216SD PFS 2216SVD	18A AC/DC continuous current; 20A continuous 5s; 40Acontinuous 3s;

Power fail test as per IEC6100-4-11&IEC61000-4-29		
Power fail simulator		
EUT max. Voltage	PFS22xxSD, PFS22xxSVD series： 250V AC，300V DC PFS05xxD series：55VDC PFS11xxD series：130VDC PFS12xxD series：140VDC PFS22xxD series：300VDC	
EUT max. current	PFS2216SD、PFS2216SVD: 16A AC/DC continuous current; 20A continuous 5s; 40Acontinuous 3s; PFS2210SVD、PFS2210SVD: 10A AC/DC continuous current; 12A continuous 5s; 25Acontinuous 3s; PFSxx05D：6A PFSxx010D：12A PFSxx20D：22A PFSxx25D：28A PFSxx30D：33A PFSxx50D：55A	
EUT power supply	Single phase no more than 230V 50~60Hz±5%	DC no more than 300VDC Offer DC control
EUT current and voltage measurement	LCD display BNC terminal：voltage 100:1, current 100A:1V	
Interrupt level	0%	
Dip level	0%-100%（for accessories VVT/VMT series） 0%, 40%, 70%, 80%（for accessories VVTxxxxSF series ）	
Repetition rate	0.3-9999 cycle or 5ms-9999ms	
Duration	50ms-50000ms	
Test time	1s-9999s	
Rise and fall time	1-5us（100Ω load）	
Voltage variation level	0-100%	
Time for decreasing voltage	500ms-60000ms（50%-100%）or 1-5us（100 ohm load） 1000ms-60000ms（0%-100%）or 1-5us（100 ohm load）	
Time for increasing voltage	500ms-60000ms（50%-100%） 1000ms-60000ms（0%-100%）	
Time for reduced voltage	10ms-99999ms	
DC voltage level	0−120%	
DC voltage change continuous	1ms−99999ms	
DC voltage change interval	50ms−50000ms	
Synchronization	0°- 360°，1° step or random	
Trigger mode	Automatic, manual or external	
Optional function	Additional module for voltage variation test and two DC mains	

CONNECT 3CTEST

SUZHOU3CTEST ELECTRONIC CO., LTD

Unit 2,Anda Industrial park,Jinshan Rd, SND,Suzhou, 215011,China

Tel: +86-512-68413700/3800/3900

Fax: +86-512-68079795

Web: www.3ctest.cn

Email: info@3ctest.cn

SHENZHEN OFFICE

Room 402, the 4th floor, Fuan Technology Building, No.13, Nanshan Technology Park, 518053, Shenzhen, China

Tel: +86-755-86626625/ 86344313

Fax: +86-755-26966255

TESTEK Co. , LTD

Contact person : Mr.Sungoh Woo

Email : woo @testek.co.kr

Tel : 070-4099-2072 / H.P : 010-6500-6648

Address : 601Ho, SungwoonKoa, 141 Hyeonam-ro, Suji-Gu, Yongin-Si, Gyeonggi-Do, 448-808

Europe:AR Europe

Yvonne McGlinchey

ymcglinchey@ARWorld.US

+353 61 504300

Address: First Floor Ashling Building, National Technology Park, Limerick, Ireland

BEIJING OFFICE

Room D206, D block, Keshi Building, No.28, Shangdixinxi Road, Haidian District,Beijing

Tel: +86-10-82899948/ 82899984

Fax: +86-10-82899943

CHENGDU OFFICE

Room 1501,Unit 3, Ideal Centre,No.38 Tianyi Street, SND, 6100085,Chengdu,China

Tel: +86-28-85327800/85327600

Fax：+86-28-85311400

TAIWAN OFFICE

6F-5, No.130, Ln.235, Baoqiao Rd, Xindian District, New Taipei City,23145, Taiwan

Tel: +886-2-89121185 Fax : 886-2-89121812

Email: rich.tec@msa.hinet.net