



Automotive Power Failure Simulator

PFS 60xxA1 Series

- VW 80000
- LV 124
- GMW 3172

Features

- > 5.7-inch color TFT touch screen
- > Support brief interruption tests
- > Switching time: ≤ 200 ns (GMW3172 Clause 9.2.18);
 ≤ 1 μ s (LV 124, VW 80000)
- > 2 switch channels: DC+ power cord switch,
DC- grounding wire switch
- > Support test voltage DC 0 ~ 80 V

Introduction

The PFS 60xxA1 series power fail simulator can be used for simulating events such as contact faults and line faults or relay-contact bounce in compliance with VW 80000, GMW 3172, LV 124 etc. The equipment integrates 2 semiconductive solid-state electric switches, which can realize the rise or fall time being less than 1 μ s or 200 ns. The selection of low and high impedance can better simulate the power fail phenomenon in real site.

Application Areas



Technical Parameters

Input Voltage	0 ~ 80 V
Switches	Two switch channels: DC+ for power cord, DC- for grounding wire
Switches Impedance	DC+ for power cord: <50 mohm DC- for grounding wire: <50 mohm
Rated Current	PFS 6050A1: 50 A PFS 60100A1: 100 A
Switching Time	≤200 ns (GM3172 9.2.18) ≤1 μs (LV124, VW 80000)
Output Impedance	High impedance / Low impedance
Duration Time for Interruption(t_d)	1 μs ~ 1 s
Repetition Time	1 ms ~ 99.9 s
Trigger Mode	Automatic and manual

General Parameters

Display Screen	5.7-inch TFT touch screen
Working Power	AC 110/220 V, ± 10%, 50 Hz/60 Hz
Dimension	19-inch/ 4U rack, 450 (W) × 190 (H) × 620 (D) mm
Weight	PFS 6050A1: 17 kg PFS 60100A1: 17.3 kg
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

User Manual, Test Cable, Fuses, Grounding Wire, Calibration Resistors PFS-R1Ω, PFS-R10Ω, PFS-R100Ω, PFS-R1000Ω

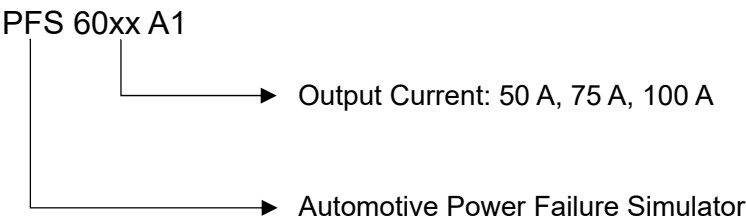
Optional Accessories

1	Remote Control Software	Model: AutoLab > Support Windows 7/8/10 /11 operating systems > Supports Ethernet > Supports scheduling and test sequence, easy for operation > Supports single test and sequence test reports printing, and user-defined templates > Supports emergency stop for safe test	
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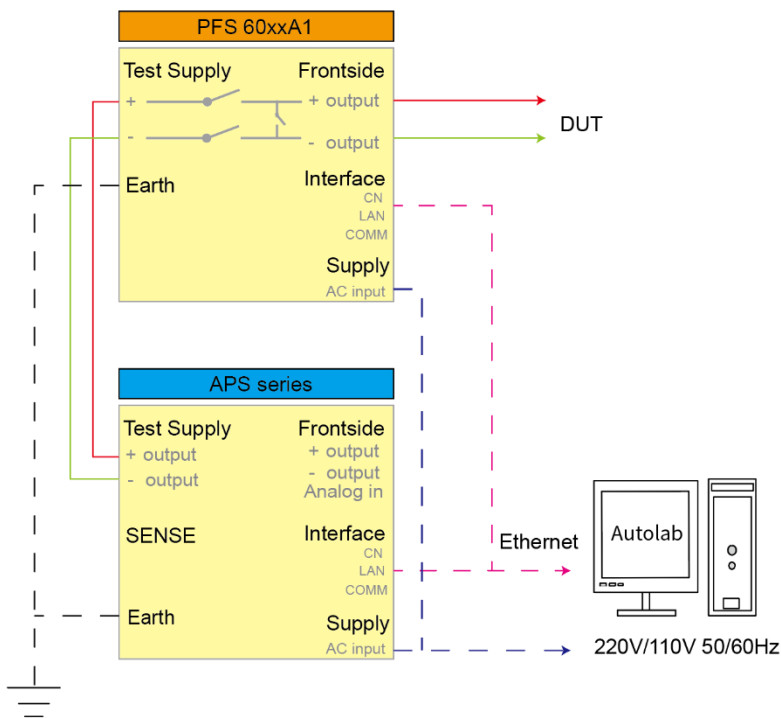
Optional Accessories

2	Signal/Data Line Failure Simulator	Model: DFS 4002A	
		Complies with test requirements for pulse E10, E13, E14 per LV 124 and pulse E48-09 per LV 148 (German OEM specification).	

Naming Rules



Test Setup



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