



# Signal / Data Line Failure Simulator

## DFS 4002A

### Features

- LV 123
  - OEM LV 124(2013-02)
  - LV 148
  - OEM LV 148
  - GWM 3172
  - VW80000-2013
- > Equipped with mains supply switch (100A), and signal / data line switch (2A);
  - > Equipped with 16 independent channels, switchable, programmable to have any channels;
  - > Equipped with independent ground loop;
  - > Rise / fall time: < 1  $\mu$ s.

### Introduction

DFS 4002A meets the test requirements of LV 124 (E10, E13, E14) and LV 148 (E48-09) of German automobile manufacturers. It is equipped with 16-channel switch, with rated current of 100  $\mu$ A – 2A for each channel.

### Application Areas



Vehicles

## Technical Parameters

Channels	16 independent channels, switchable, programmable to have any channels;
EUT Voltage	Max $\pm 60$ V DC
EUT Current	100 $\mu$ A - 2 A (each channel, at 25 °C)
Polarity	+/-
Repetition Rate	0.001s - 99.9s (or as customized)
T rise, T fall	< 1 $\mu$ s ( @ 1 k $\Omega$ ;@ 1 $\Omega$ (V = 2 V))
Switch Impedance	< 500 Ohm
Interruption Time	1 $\mu$ s (10% +/-1 $\mu$ s) - (or as customized)
Synchronization	Can be operated with PFS 60xxA (Power Failure Simulator), Synchronization error: <1 $\mu$ s
Peak Current	5 A

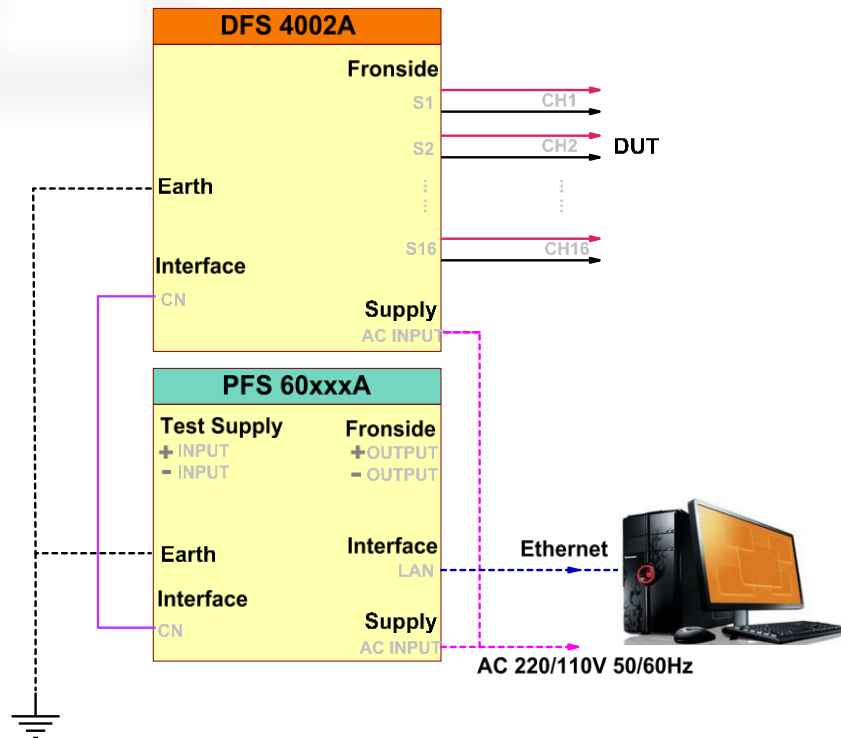
## General Parameters

Main Control	Same as PFS 60xxA
Display	5.7" TFT touch screen
Power Supply Range	AC 110V/220V $\pm$ 10%, 50/60Hz $\pm$ 5%
Max Power	200 W
Dimension	19"/ 4 U
Weight	About 18Kg
Temperature	15-35°C
Humidity	45% - 75%
Air Pressure	86kPa – 106kPa

## Standard Accessories

Power supply cable, Factory Inspection, Report User manual, Calibration resistor for data cable R1 $\Omega$ , Calibration resistor for data cable R1000 $\Omega$

## Test Connection Diagram:



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