



Signal/Data Line Failure Simulator

DFS 4002A

- LV 123
- OEM LV 124 (2013-02)
- LV 148
- OEM LV 148
- GMW 3172
- VW 80000-2013

Features

- > Equipped with 100 A power line switches and 2 A signal/data line switches
- > Provides 16 independent switchable channels with programmable selection of test channels
- > Independent grounding circuit
- > Rise/fall time: <1 μ s

Introduction

The DFS 4002A signal/data line failure simulator complies with the test requirements of LV 124 pulses E10, E13, and E14, as well as LV 148 pulse E48-09, which are commonly used by German automotive manufacturers.

The DFS 4002A provides a 16-channel programmable switching system, with each channel supporting a rated current range of 100 μ A to 2 A.

Application Areas



Technical
Parameters

Channels	16 independent switchable channels, with programmable selection of test channels
DUT Voltage	Max. ± 60 V DC
DUT Current	100 μ A ~ 2 A per channel (at 25 $^{\circ}$ C)
Current Direction	Bidirectional
Repetition Rate	0.001 s to 99.9 s (customizable)
Rise and Fall Time	$<1 \mu$ s (@1 k Ω ; @1 Ω , V = 2 V)
Switch Impedance	<500 m Ω
Interruption Time	1 μ s (10% $\pm$ 1 μ s) (customizable)
Synchronized Test	Can be synchronized with PFS 60xxA power failure simulators, with synchronization error $\leq 1 \mu$ s
Peak Current	5 A

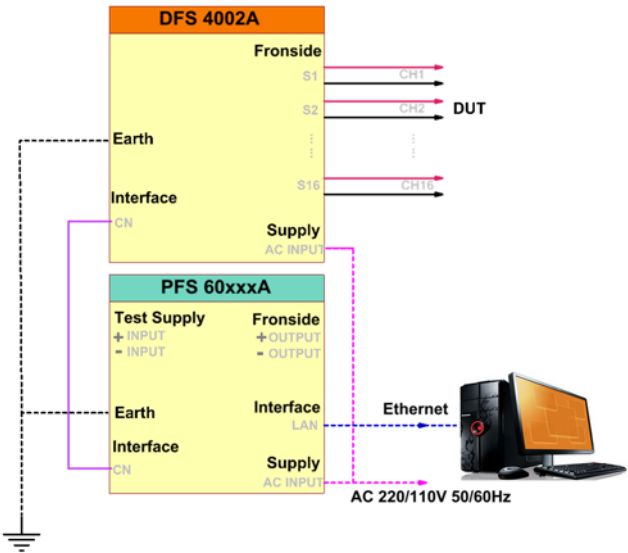
General
Parameters

Controller	Shared with PFS 60xxA
Screen	5.7-inch TFT touchscreen
Working Power	AC 110 V/220 V $\pm 10\%$, 50/60 Hz $\pm 5\%$
Max. Power Consumption	200 W
Dimension	19-inch / 4U
Weight	Approx. 18 kg
Ambient Temperature	15 ~ 35 $^{\circ}$ C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Main Unit, Power Cord, User Manual

Optional Accessories



SUZHOU 3CTEST ELECTRONIC CO., LTD.

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

E-mail: globalsales@3ctest.cn

Service: service@3ctest.cn

Tel: +86 - 512 - 68077192

Web: www.3ctest.com



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