

V-LIST VOLTAGE & LOAD INDICATING SOCKET TESTER

PRODUCT DATA SHEET



The Brooks V-LIST safely checks phase-to-phase and phase-to-ground potential and indicates significant connected loads prior to setting the meter.

FEATURES

- Easy to read LED voltmeter displays voltage present phase-to-phase and phase-to-ground.
- Red neon lamps clearly indicate load, faults, and backfeed.
- 32 amp current limiting double pole circuit breaker protects against faults.
- Neutral wire with alligator clip included.
- Heavy duty, insulated handle makes installation and handling easy and convenient.
- Suitable for testing 1S & 2S single phase sockets and Forms 12S & 25S network sockets.

APPLICATIONS

This tester should be used by meter installers to test the socket for backfeed, load, and fault conditions. Enables socket voltage checks and load detection prior to setting the meter.



SAFETY



SECURITY



RELIABILITY

MODEL NUMBERS

- VLIST-SP3667 (10 amp breaker)
- VLIST-SP3920 (32 amp breaker)

SUGGESTED OPERATING INSTRUCTIONS

VLIST-SP3920

DATA SHEET

FOR TESTING FORM 1S 120V 2W, FORM 2S 120/240V 3W SINGLE PHASE, AND FORM 12/25S 120/208V NETWORK SOCKETS ONLY.

STEP 1: Attach the alligator clip lead to the socket neutral ground.

NOTE: The socket tester must be plugged into the socket jaws for Steps 2 through 7.

STEP 2: Load Test

With the circuit breaker in the OFF position, plug the tester into the meter socket jaws.

DO NOT OPERATE BYPASS HANDLE BEFORE TESTING SOCKET.

Observe the indicator lamps.

A) If no red lamps glow, proceed with Step 3.

B) If either or both red lamps glow, indicating the presence of fault or load,

DO NOT SET METER

STEP 3: Backfeed Test

Activate the backfeed/lamp test switch while observing the indicator lamps.

A) If no red lamps glow, proceed with Step 4.

B) If either or both red lamps glow, backfeed is present.

DO NOT SET METER

STEP 4: Fault/Overload Test

Switch the circuit breaker to the ON position.

A) If no red lamps glow and the circuit breaker does not trip, proceed with Step 5.

B) If either or both lamps glow or the circuit breaker trips, an overload or fault is present.

DO NOT SET METER

STEP 5: Lamp Test

Activate the backfeed/lamp test switch while observing the fault lamps.

A) If both lamps glowed [Form 2S 120/240V 3W Single Phase and Form 12/25S 120/208V Network] proceed with Step 6.

B) If the left lamp only glowed [Form 1S 120V 2W], proceed with Step 6.

C) If the red lamp(s) did not glow correctly in A or B, **DO NOT SET METER.**

STEP 6: Voltage Check, Part 1

Observe the phase-to-phase voltage reading on the voltmeter, check that the voltage is within an acceptable range:

_____ to _____ VOLTS [Form 1S]

_____ to _____ VOLTS [Form 2S]

_____ to _____ VOLTS [Form 12/25S]

A) If voltage is correct, proceed with Step 7.

B) If voltage is incorrect, **DO NOT SET METER.**

STEP 7: Voltage Check, Part 2

Observe the phase-to-ground readings on the voltmeter, while activating the left and right phase-to-ground voltage switches alternately. Check that the voltages are in an acceptable range:

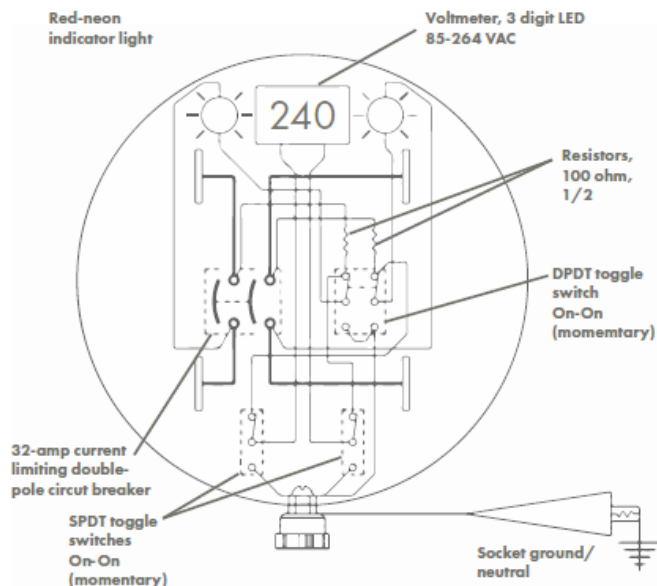
_____ to _____ VOLTS [Form 1S]

_____ to _____ VOLTS [Form 2S]

_____ to _____ VOLTS [Form 12/25S]

A) If all voltages are acceptable, set meter.

B) If all voltages are NOT acceptable, **DO NOT SET METER.**



NOTE: Every electric utility has its own meter service and socket inspection and test procedures. The suggested operating instructions are intended to serve as a guide in the development of the utility's own procedures for the use of this device and its integration with existing tests. The VLIST-SP3920 socket tester may replace some of the tests presently used, however, the sustainability of this socket tester to replace any portion of the utility's test procedure is the responsibility of the utility to determine.

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