GEI-25372A

INSTRUCTIONS

Switchgear

TEST PLUGS

FOR DRAWOUT RELAYS AND METERS

Type XLA

GENERAL ELECTRIC

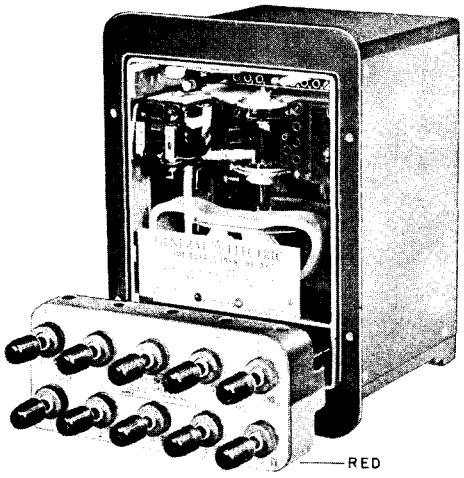

Fig. 1 Test Plug In Relay

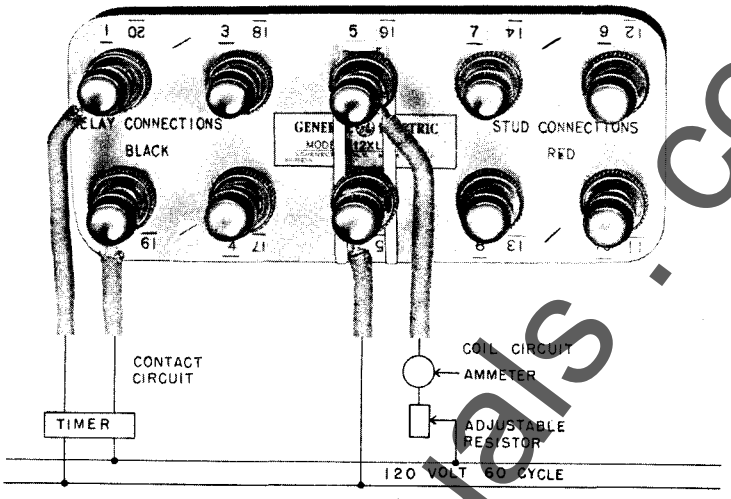

Fig. 2 Test Connections For Type IAC Overcurrent Relay

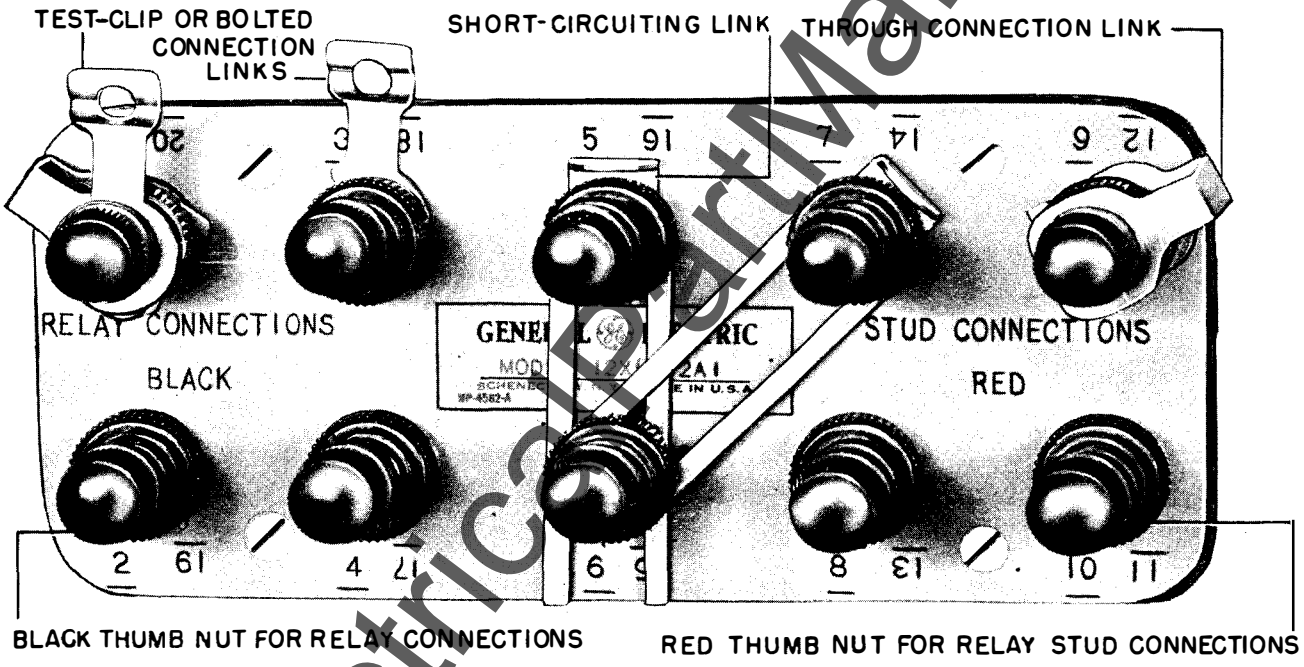

Fig. 3 Test Links In Use On Test Plug

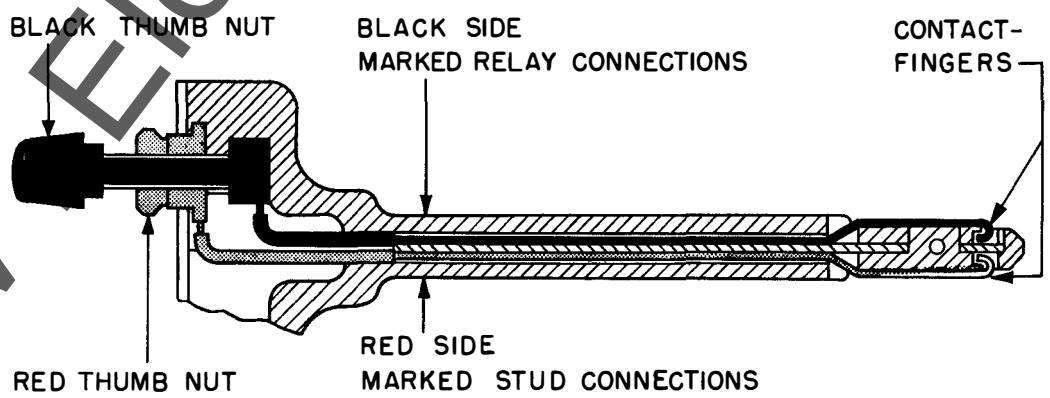

Fig. 4 Sectional View Of Test Plug

Fig. 1 (8004359)

Fig. 2 (8004

Fig. 3 (8004307)

TEST PLUG

FOR DRAWOUT RELAYS AND METERS

DESCRIPTION

APPLICATION

The type XLA test plugs are used to test drawout relays and meters from their own source of power or from other sources.

CONSTRUCTION

The XLA test plug consists of a black and red textolite molding with twenty electrical separate contact-fingers connected to ten concentric binding posts. The contact-fingers on the black side are connected to the inside binding posts with black thumb nuts and engage the relay internal connections. The contact-fingers on the red side are connected to the outer binding posts with the red thumb nuts and engage the relay case stud connections. See Fig. 4. The concentric binding posts are numbered on the front nameplate and the corresponding contact-fingers are numbered on each side of the test plug. Numbers from one to ten are used when the test plug is used in the bottom of the relay and eleven to twenty are used when the test plug is used in the top of the relay.

Removable test links for through connections, short-circuiting and test clips are furnished with each test plug. See Fig. 6.

TESTING

Routine testing can be made by removing the relay cover and substituting the test plug for the connection plug. The test plug must be inserted with the red side away from the relay unit. The relay may be tested either from its own source of current and potential or from other sources. See Fig. 1.

The U-shaped link is used to make through connections from stud to relay. The long opened end link is used to short circuit the current transformer. This must be inserted in the proper place under the red thumb nuts before the test plug is inserted in the relay. The two sizes of corrugated end links are used when standard test-clips or when bolted connections are preferred. See Fig. 3.

Typical test plug connections and wiring diagram for type IAC overcurrent relays are shown in Fig. 2.

Conventional representation of test plug connections that are used on wiring diagrams are shown in Fig. 5.

SHIPPING - UNPACKING

The Type XLA test plugs are shipped in individual cartons. In the carton with the test plug is a package containing the removable test links. The carton can be used for a storage case for the test plug.

Immediately upon receipt of the test plug an examination should be made for any damage sustained during shipment. If injury or rough handling is evident a damage claim should be filed at once with the transportation company and the nearest General Electric Sales Office should be notified.

RENEWAL PARTS

Orders for renewal parts should be addressed to the nearest Sales Office of the General Electric Company, giving name of part wanted, quantity required, and complete nameplate data.

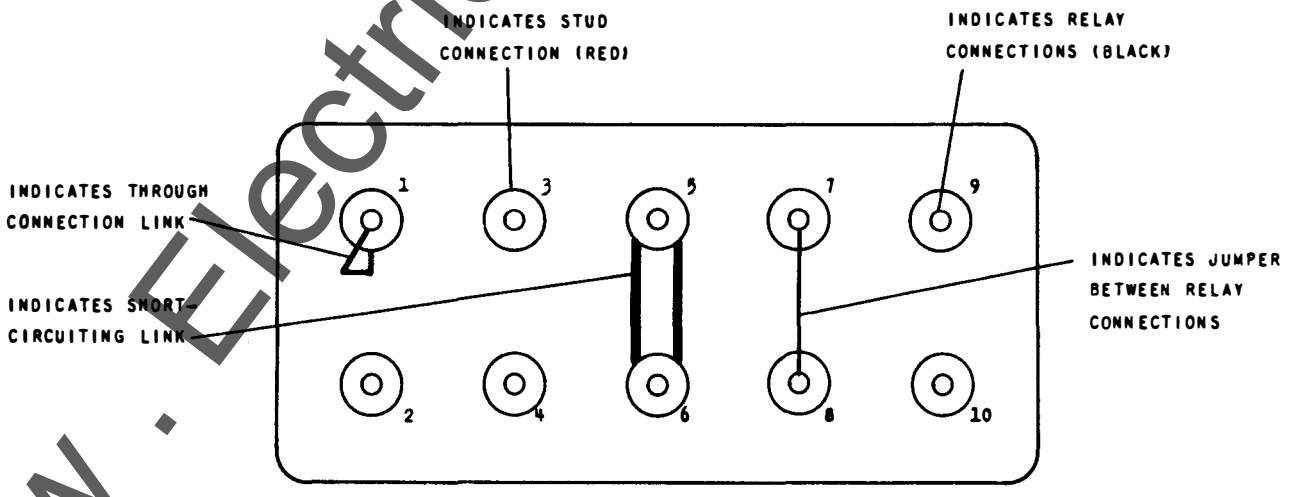

Fig. 5 Conventional Representation Of Test Plug Connections

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

Fig. 5 (K-6375616)

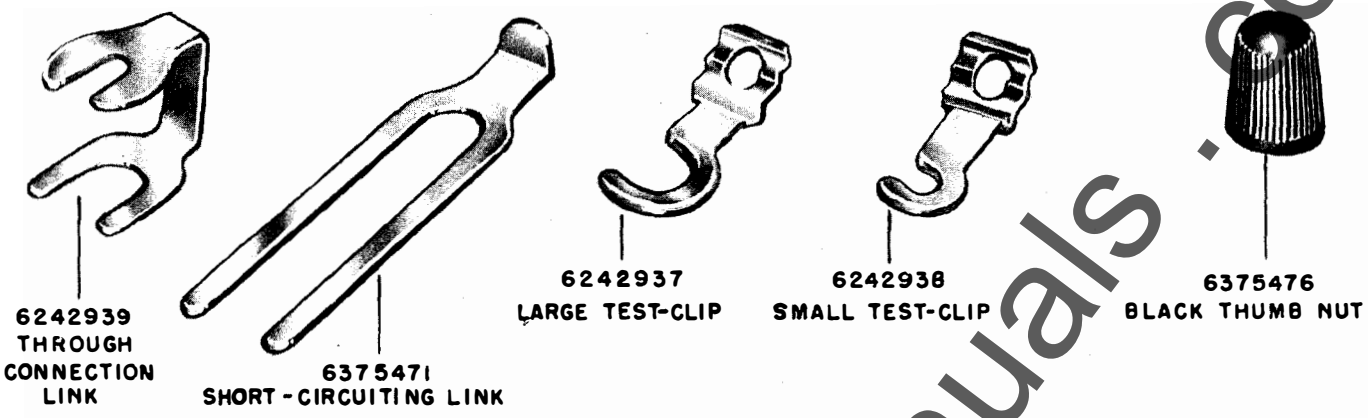

Fig. 6 (8005525)

Fig. 6 Accessory Links For Test Plug

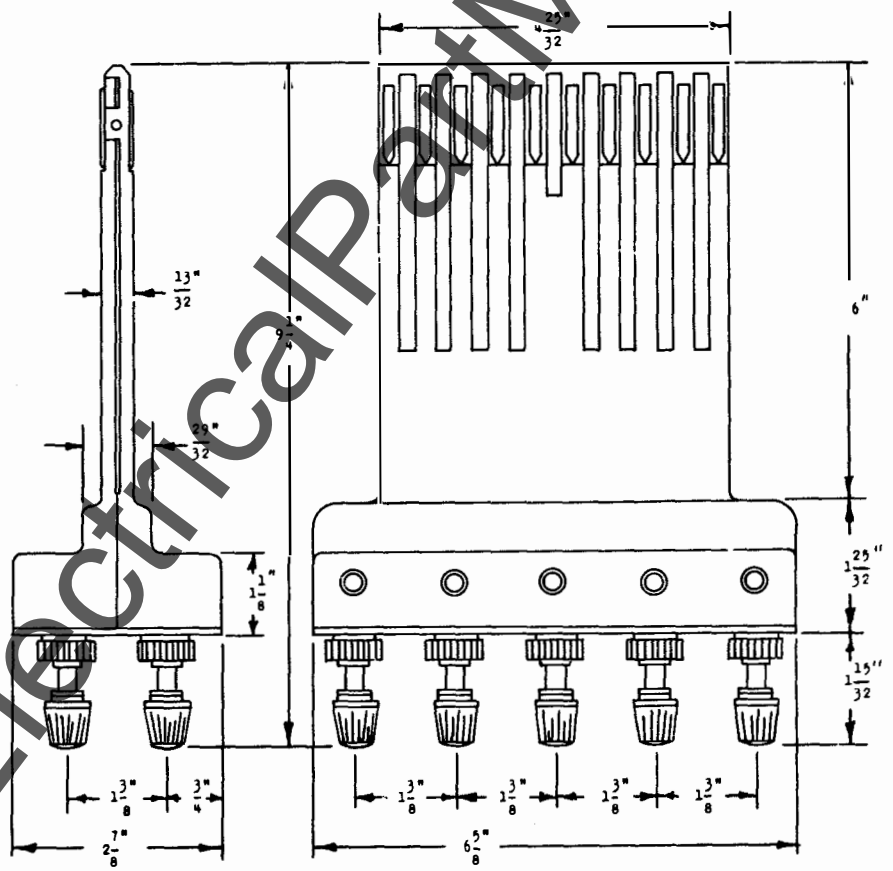

Fig. 7 (8305856)

Fig. 7 Outline

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