

Order Number

Serial Number

PRODUCT TEST MANUAL

3A32K65

TRIP INDICATOR RELAY

Issue Level	Date	Summary of changes
A	31/01/2008	Initial issue
B	16/05/2008	Updated for TfA 180131 Issue A
C	16/09/2010	Added insulation resistance testing of all units

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MVL	DG	DG	

1. ASSOCIATED DRAWINGS

This Product Test Manual is in reference to:
 TfA 180131 Issue B 08/09/09

2. INSULATION RESISTANCE CHECK

Check the insulation resistance at 500VDC for the following cases in Table 1. Note that the resistance shall be **no less than 100MΩ**.

Table 1

Group 1	Group 2
Coil	All other connections
Each contact set	All other connections

3. HIGH VOLTAGE TESTING

- a) Apply 2kV RMS 50Hz between terminal Groups 1 and 2 in Table 2 for 1 minute.
- b) Apply three 5kV 1/50us pulses of each polarity between terminal Groups 1 and 2 in Table 2.

Table 2

Group 1	Group 2
Coil	All other connections and Frame
Each contact set	All other connections and Frame

4. TEST PROCEDURE

Trip Relay

- a) Check coil resistance is 200 Ω +/- 5%. (Short coil)
- b) Check that the operate voltage is less than 60V DC.

Pickup Voltage	V
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5. GENERAL & FUNCTIONAL

- a) Check that the relay label is engraved with stock-code number 180131
- b) Check that the relay is shockproof and that the flag mechanism operates and resets correctly with the cover and cover nuts on.
- c) Check that the relay is electrically sound and mechanically robust as per Standard Inspection & Test Schedule 903-000-026.

PASS

TESTED BY: _____ DATE: _____