

Order Number

Serial Number

## PRODUCT/TEST MANUAL

**3A32K14**

**BUCHHOLZ TRIP / OIL SURGE INDICATOR RELAY**

<b>Issue Level</b>	<b>Date</b>	<b>Summary of Changes</b>
A	31/08/1998	Initial issue.

Due to RMS continuous product improvement policy this information is subject to change without notice.

<b>Document updated</b>	<b>Checked</b>	<b>Registered</b>	<b>.pdf file created</b>	<b>.pdf uploaded to web site</b>

**1. ASSOCIATED DRAWINGS**

This Product Test Manual is in reference to  
TfA 168922 Issue A 23/06/98

**2. HIGH VOLTAGE TESTING**

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

**TABLE 1**

<b>GROUP 1</b>	<b>GROUP 2</b>
Each coil	All other connections and Frame
Each contact set	All other connections and Frame

**3. TEST PROCEDURE**

**Buchholz Trip Relay**

- a) Check coil resistance is 200  $\Omega$  +/- 5%. (Short coil)
- b) Operate voltage less than 60 volts DC

**Oil Surge Relay**

- a) Check coil resistance is 0.2  $\Omega$  +/- 5%
- b) Operate current 0.4 - 0.5 Amps DC

<b>Buchholz</b>	Pickup Voltage	<input type="text"/>	<b>Volts</b>
<b>Oil Surge</b>	Pickup Current	<input type="text"/>	<b>Amps</b>

**4. GENERAL & FUNCTIONAL**

- a) Check that the relay label is engraved with stockcode number 168922.
- b) Check that the relays are shockproof and that the flag mechanism operates correctly.
- c) Check that the relay is electrically sound and mechanically robust as per Standard Inspection & Test Schedule 903-000-026.

**PASS**

TESTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_