

Order Number

Serial Number

PRODUCT/TEST MANUAL

3A32K20

BUCHHOLZ TRIP / OIL SURGE INDICATOR RELAY

Issue Level	Date	Summary of changes
A	18/04/00	Initial issue.
B	26/06/00	Operate voltage of the BZ element changed.

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ERL	MW	MW	

1. ASSOCIATED DRAWINGS

This Product Test Manual is in reference to
TfA 141630 Issue D received 27/06/00

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

GROUP 1	GROUP 2
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 Ω +/- 5%. (Short coil)
- b) Operate voltage < 60 volts DC

Oil Surge relay

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

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

4. GENERAL & FUNCTIONAL

- a) Check that the relay label is engraved with stock code number 141630
- 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: _____