

Order Number

Serial Number

PRODUCT/TEST MANUAL

3A32K53

CITY BUCHHOLZ TRIP MKII

Issue Level	Date	Summary of changes
A	2/06/00	Initial issue.
		Reference Dwg was A1/53829

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

Document updated	Checked	Registered	.pdf file created	.pdf uploaded to web site

1. ASSOCIATED DRAWINGS

This Product Test Manual is in reference to
CBT-6R Relays- Adjustment and Approval checks

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
3,4,6,9	1,2 & Frame
1,2,6,9	3,4 & Frame

3. TEST PROCEDURE

Buchholz Trip Relay

- a) Check coil resistance is 3000 Ω +/- 5%.
- b) Check that a 750 Ω 20 watt resistor is wired across the coil
- c) Check operate time is less than 55mS
- d) Operate voltage 65 - 70 volts DC
- e) Release voltage not less than 10 volts
- f) Check that the relay does not operate when 430 Volts AC 50 Hz is applied to terminals 6 & 9

Note The 750 Ω resistor must be disconnected for this test

Buchholz	Pickup Voltage		Volts
	Release voltage		Volts
	Operate time		mS
	AC withstand		Tick

4. GENERAL & FUNCTIONAL

- a) Check that the relay base is engraved with CBT-Mk2
- 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: _____