

Order Number

Serial Number

## PRODUCT/TEST MANUAL

**3A32K9**

**INTERTRIP SEND RELAY**

<b>Issue Level</b>	<b>Date</b>	<b>Summary of changes</b>
B	21/04/2005	Check and Batch boxes added.
C	11/03/2009	Impulse test update

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

<b>Author</b>	<b>Checked &amp; Registered</b>	<b>.pdf file created</b>	<b>Released</b>
ERL	DG	DG	



**1. ASSOCIATED DRAWINGS**

172-032-109                      Wiring Diagram  
 This Product Test Manual is in reference to TfA 62141 Issue C 2/08/99.

**Note :** There is a major change to this relay when compared to the original DMT. The change being extra contacts fitted and only one relay element per case.

**2. HIGH VOLTAGE TESTING**

a)        Apply 2kV RMS 50Hz between terminal Groups 1 and 2 in Table 1 for 1 minute.

<u>TABLE 1</u>	
GROUP 1	GROUP 2
All Terminals	Frame
6 & 9 joined	Other Terminals +E
1 & 2 joined	Other Terminals +E
13 & 14 joined	Other Terminals +E
15 & 16 joined	Other Terminals +E
17 & 18 joined	Other Terminals +E
19 & 20 joined	Other Terminals +E

**3. TEST PROCEDURE**

a)        Check coil resistance is 500 Ω +/- 25 Ω.

	<b>Check</b>
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b)        Check the operate voltage is 12V maximum DC  
 c)        Check the release voltage is 1V DC (approx)

Pickup Volts		<b>Check</b>
Dropout Volts		

**4. GENERAL & FUNCTIONAL**

- a)        Check that relay name plate is identified as "INTERTRIP SEND RELAY".  
           Check that relay base is engraved with DMT and SC62141
- b)        Check that relay is shockproof.
- c)        Check for correct operation of the flag mechanism.
- d)        Check that the relay is electrically sound and mechanically robust as per  
           Standard Inspection & Test Schedule 903-000-026.
- e)        Check that the relay has been supplied with a Perspex cover for the rear terminals.

**BATCH QTY**   

**PASS**       

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