Order Number _____ Serial Number _____

PRODUCT/TEST MANUAL

3A32K23

PILOT INTERLOCK RELAY

Issue Level	Date	Summary of changes
B	6/10/99	Initial issue. TfA Issue E
C	9/09/02	Tolerances added to 4.1
G	20/10/04	TfA Issue G
H	20/01/09	TfA Issue H

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ERL	DG	DG	David Greenwood Digitally signed by David Greenwood DN: CN = David Greenwood, C = AU, O = RMS Reason: Document is released Date: 2009.01.21 13:42:10 +11'00'

1. ASSOCIATED DRAWINGS

172-032-123 Wiring Diagram
This Product Test Manual is in reference to
TfA 62158 Issue H 13/12/07

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**
All Terminals	Frame
6&9 joined	Other Terminals +E
1& 2 joined	Other Terminals +E
3& 4 joined	Other Terminals +E

3. TEST PROCEDURE

a) Check coil resistance is 50kΩ +/- 10%.
(comprising 40kΩ and 10kΩ resistor).

	kΩ

b) Operate volts >50 <77 Volts DC
* Release volts > 9 volts DC

Pickup Volts		**V**
Dropout Volts		**V**

* Take voltage to 110 VDC to saturate prior to performing this test

4. GENERAL & FUNCTIONAL

a) Check that relay name plate is identified as “PILOT INTERLOCK RELAY”.
Check that relay base is engraved with PIR and SC62158

b) Check that relay is shockproof.

c) Check that the relay is electrically sound and mechanically robust as per Standard Inspection & Test Schedule 903-000-026.

d) Check that the relay has been supplied with a Perspex cover for the rear terminals, as well as a cover over the front of the unit

PASS ☐

TESTED BY: _____ DATE: _____