Chapter 39

SWITCH, THERMAL, TYPE 2A, No. 4 (ROTAX D6269)

LIST OF CONTENTS

LIST OF ILLUSTRATIONS

LEADING PARTICULARS

Switch, thermal, Type 2A, No. 4	Stores Ref. 5CW/5693
Relay coil:	
Nominal resistance at 20 deg. C ambient temperature ...	4,000 ohm.
Maximum voltage	116–V. d.c.
Minimum operating voltage (cold)	64–V. d.c.
Coil current at 116–V. d.c.	0·031 amperes.
Overall dimensions	
Length	3·437 in.
Width	2·500 in.
Height	2·328 in.
Weight	... 10 oz.
Terminal connection (S.B.A.C.):	
Socket	19 amperes
Ferrule	4 amperes
Fixing holes:	
Centres	1·625 in.
Diameter	0·203 in.

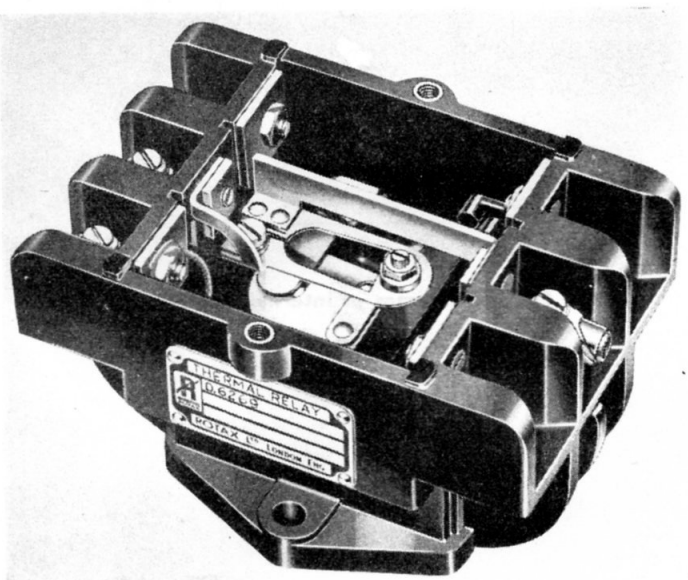

Fig. 1. Type 2A, No. 4 thermal switch, without cover

Introduction

1. This thermal overload relay, in common with others in the D 6200 series, is used to provide thermal overload protection in aircraft circuits and is intended to be installed in a single line d.c. circuit.

DESCRIPTION

2. The Type 2A, No. 4 thermal switch is illustrated in fig. 1 and is similar in construction to those described in A.P.4343, Vol. 1, Sect. 11, Chap. 6. Operating from a single line d.c. supply, the unit has only one central line connection strip and one bi-metal assembly connected between terminals B and L2. There is an additional connection between one coil terminal and terminal L3 (*fig.* 2).

3. Information covering the functioning of this switch will be found in A.P.4343, Vol. 1, Sect. 11, Chap. 6 and details of operation are given under Leading Particulars. It should be noted, however, that, since there are no parts at 29 volts d.c., all the insulation resistance tests (*paras.* 18 *and* 19 *of the above mentioned chapter*) must be made with a 250 volt insulation resistance tester. Readings of 2 megohm must be obtained in each test.

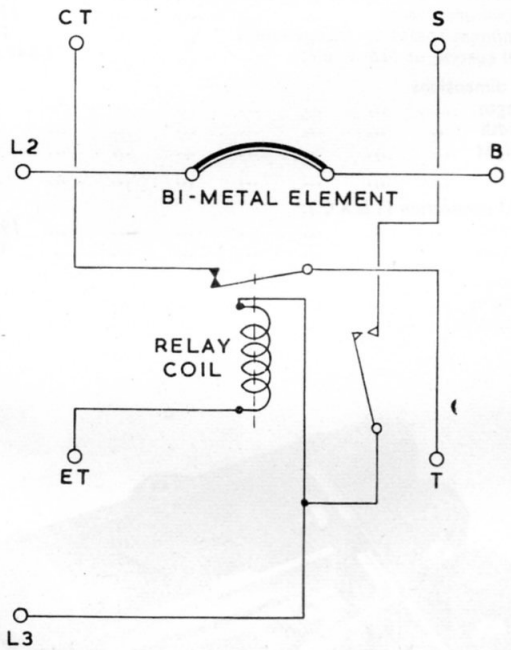

Fig. 2. Diagram of internal connections