

Chapter 40

SWITCH, MAGNETIC, TYPE 2A, No. 1 (ROTAX F3105)

LIST OF CONTENTS

	Para.
Introduction...	1
Description	2

LIST OF ILLUSTRATIONS

	Fig.
Type 2A, No. 1 magnetic switch	1
Diagram of connections	2

LEADING PARTICULARS

Switch, magnetic, Type 2A, No. 1	...	Stores Ref. 5CW/4601
Voltage	...	28V, d.c.
Minimum pull-in voltage (20 deg. C)...	...	16V, d.c.
Drop out voltage	...	5 to 2V, d.c.
Current rating	...	5 amp.
Operating coil resistance	...	179 ohm
Overall dimension of base	...	3.128 by 3.0 in.
Height	...	3.468 in.
Weight	...	15.25 oz.

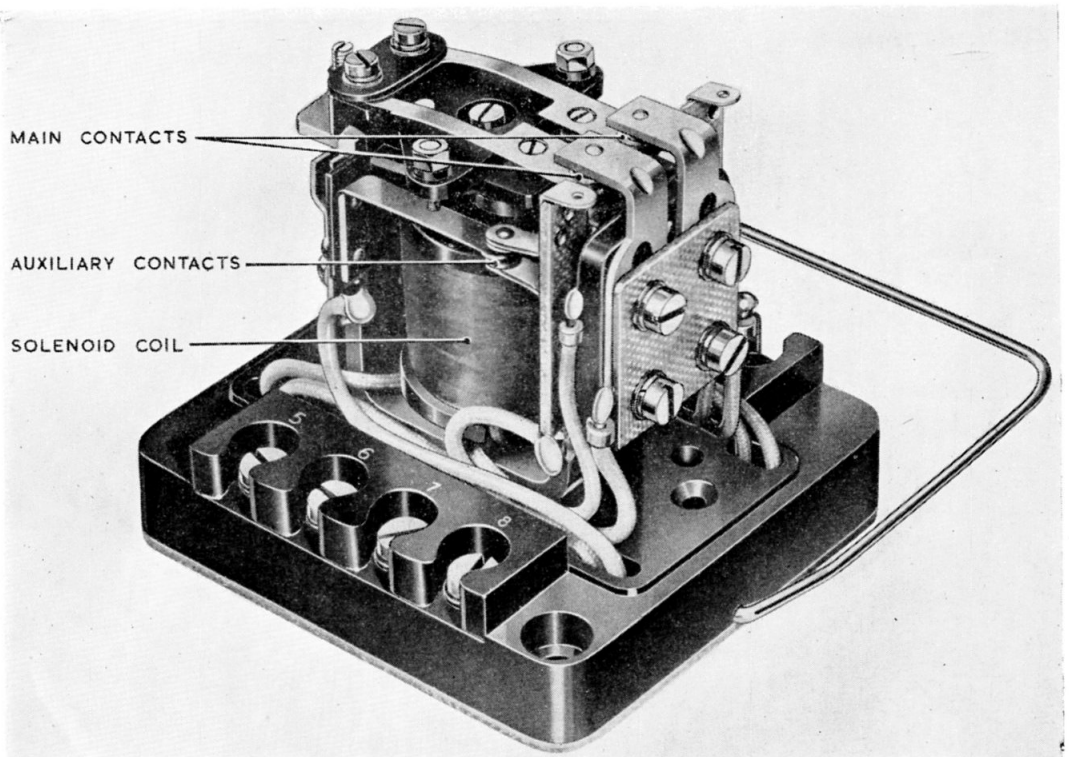


Fig. 1. Type 2A, No. 1 magnetic switch

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(A.L.71, July 56)

Introduction

1. This magnetic switch (*fig. 1*), in common with others in the F3100 Series, is designed for use in 24 volt aircraft electrical systems.

DESCRIPTION

2. The Type 2A, No. 1 switch is physically similar to that which is described in A.P.4343, Vol. 1, Sect. 11, Chap. 3, and is used as a simple relay for 28 volt operation.

3. No swamping or economy resistors are fitted, the contacts across terminals 7 and 8 (*fig. 2*) being employed as auxiliary contacts. The ON/OFF contacts referred to in the above mentioned chapter are not used and the coil resistance is 179 ohm. All contacts are rated at 5 amp.

4. Details of functioning, installation and servicing for this switch are as given in the general chapter for the F3100 Series (*para. 2*).

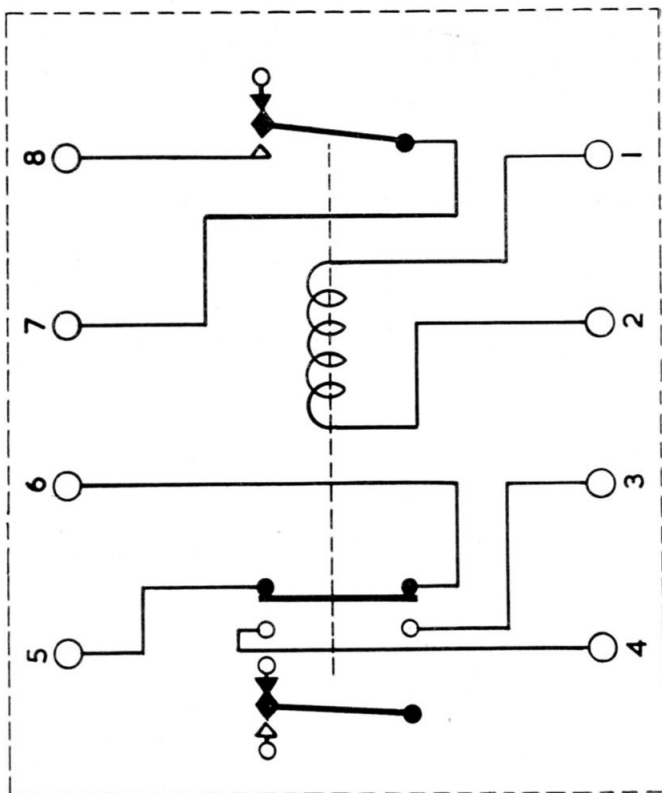


Fig. 2. Diagram of connections

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