

Chapter 50

STEPPING RELAY, LEDEX, TYPE LX/CSI/10107/DH3

LIST OF CONTENTS

	Para.	Description	Para.
Introduction	1		2

LIST OF ILLUSTRATIONS

	Fig.	Switch section contact arrangements	Fig.
Stepping relay, Type LX/CSI/10107/DH3...	1		2

LEADING PARTICULARS

Stepping relay, Type LX/CSI/10107/DH3		Stores Ref. 5CW/5144
Operating voltage		24 d.c.
Solenoid resistance at 20 deg. C.	7.83 ohms ± 5 per cent	
Current on nominal voltage	3.06 amp.	
Solenoid rotation	Right-hand	
Angular stroke	35 deg.	

Introduction

1. The stepping relay, Type LX/CSI/10107/DH3, incorporates a rotary solenoid driving a DH type Oak switch through a ratchet mechanism. It is similar to that shown in A.P.4343, Vol. 1, Sect. 11, Chap. 4, which also describes its general application and principle of operation.

DESCRIPTION

2. This stepping relay (*fig. 1*) incorporates three switch sections, No. 1 being the commutating switch, and No. 2 and 3 the load sections. Each load switch section has a signal-pole, six-position contact arrangement, with positions 1 to 6 operative, as shown in *fig. 2*. The front and rear are as viewed from the solenoid end of the unit.

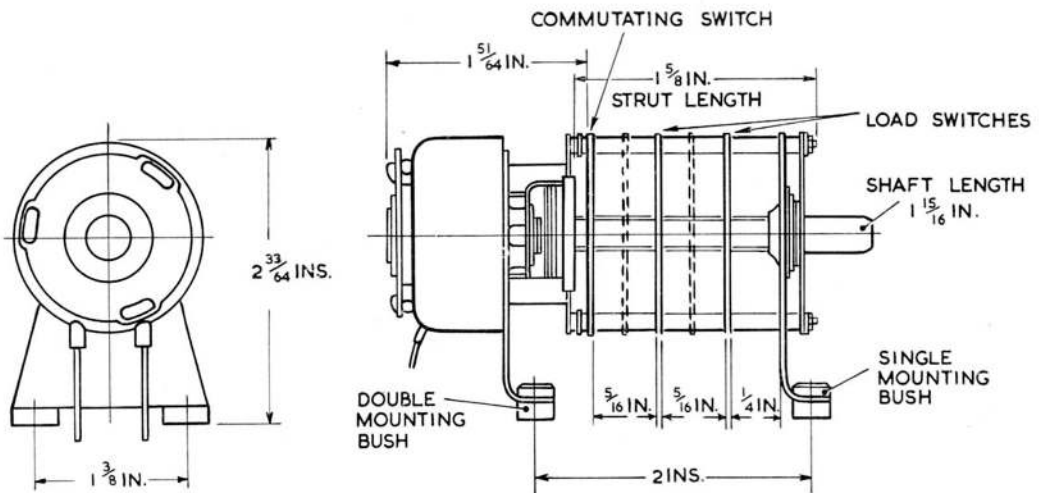


Fig. 1. Stepping relay, Type LX/CSI/10107/DH3

(A.L.78, Sep. 56)

3. No hold-in resistor is used with this stepping relay. A 1.0 mfd. capacitor is connected across the commutating switch for spark suppression.

4. The relay is designed for chassis mounting, with three rubber-bushed flexible mountings, as shown in fig. 1.

5. The current consumption is 3.06 amp. at the nominal voltage of 24 d.c.; at 21.6 volts it is 2.76 amp. The relay is designed for a permissible duty cycle of 1:4, i.e., energized for a maximum of one period out of every four.

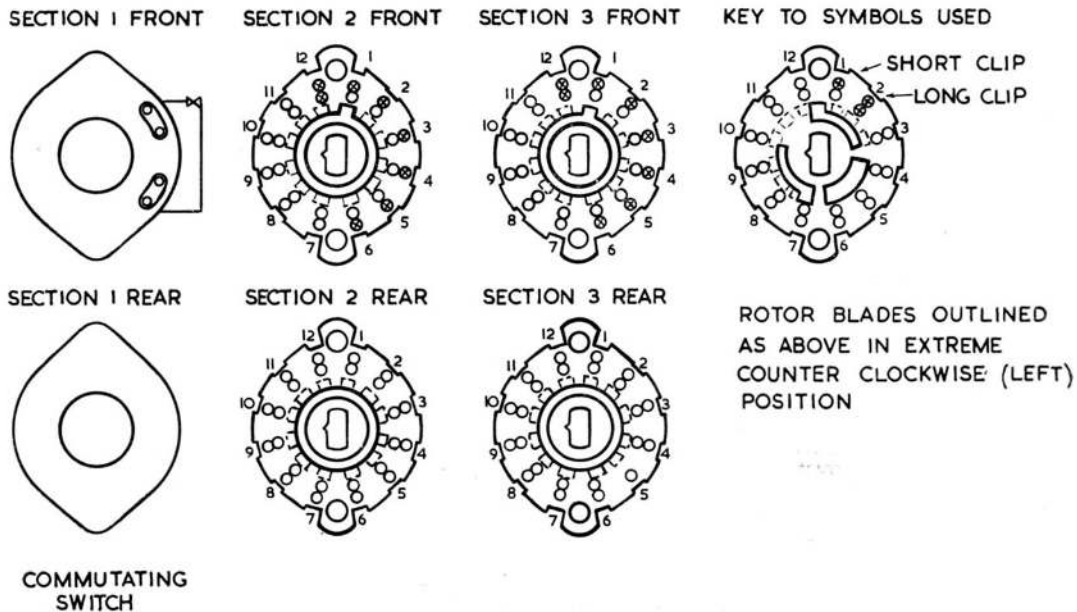


Fig. 2. Switch section contact arrangements

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