

Chapter 25

MICRO SWITCH, TYPE C1831Y

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LEADING PARTICULARS

Type C1831Y, Mk. 1	Stores Ref. 5CW/4742
Type C1831Y, Mk. 2	Stores Ref. 5CW/4904
Length of travel	0.55 in.
Free movement	0.003 in. min., 0.055 in. max.
Overtravel	0.50 in.
Load to operate	8.8 lb. max.
Load at maximum travel	20 lb. max.
Differential	0.015 in. max.
Safe overload	1,500 lb.
Overall dimensions	2.82 in. × 1.17 in. × 2.81 in.
Weight	4½ oz.

Introduction

1. The micro switches covered in this chapter are of similar design, but differ in the terminal arrangement.

DESCRIPTION

2. A general view of this switch is shown in fig. 1. It is designed for operation on d.c.

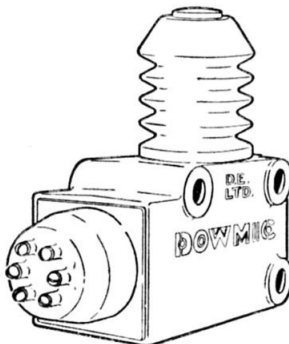


Fig. 1. Micro switch, Type C1831

or a.c.; at 28 volts d.c., the contacts will carry a non-inductive load of 8 amp., and at 250 volts a.c., 50 c/s, a load of 5 amp. at 0.15 henry per contact.

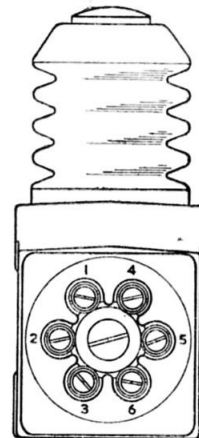


Fig. 2. Terminal arrangement, Type C1831Y, Mk. 1