

Chapter 15

SOLENOID UNIT, TYPE CS161Y

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LEADING PARTICULARS

Type CS161Y, Mk. 1	Stores Ref. SCW-5122
Nominal voltage	28
Current consumption	0.19 amp. at 28 volts
Height (from base of mounting flange)	2.12 in.
Diameter	1.5 in.
Distance between fixing hole centres	1.8 in.
Depth of plunger below mounting flange (solenoid energized)	0.25 in.
Travel of plunger	0.08—0.10 in.
Angle of cable entry with axis of fixing holes	9 deg.
Weight	7½ oz.

Introduction

1. The solenoid unit, Type CS161Y, Mk. 1, is used on aircraft for such applications as valve operation.

DESCRIPTION

2. A general view of the solenoid unit is given in fig. 1. The unit is shown with the plunger in the de-energized position; when the unit is energized, the plunger is withdrawn, the total travel being between 0.08 and 0.10 in.

3. The unit is fitted with a 2-pole plug, whose axis is set at an angle of 8 deg. with the axis of the unit fixing holes. To make the electrical connection, a 2-pole socket, Type C (Stores Ref. SCY(S81) must be fitted so that the positive terminal is connected to No. 1 pin of the socket. The socket is held in position by a seal-spring mounted on the top of the solenoid plug.



Fig. 1. Solenoid unit, Type CS161Y, Mk. 1

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