

PTC/CAD2D

C S L

31 MAY 02

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20

REVISIONS

A

205709

CSL

31 MAY 02

B

0007597

SWO/AP

16 SEP 04

C

0040079

MPH

03 JUN 08

ISSUE

8

CATALOG LISTING

25ET116-S-G

1 OF 1

PAGE

REPLACES

X75429-ET

CATALOG LISTING

25ET116-S-G

MICRO SWITCH

a Honeywell Division

FED. MFG. CODE 91929

SWITCH - TOGGLE

(MAGNETIC HOLD-IN)

CATALOG LISTING

25ET116-S-G

1.0 DIA

CIRCUITS 1-3 MADE  
(ELECTRICALLY MAINTAINED POSITION)

.090 APPROX. PULLOUT  
TO CHANGE POSITION

30°±4° TOTAL TRAVEL

.388

CIRCUITS 1-2 MADE  
(MECHANICALLY LOCKED)

1.050

7

1.385±.030

1.560±.050

.54

2.410 MAX

.05

5

(5) 4-48 UNF X .188 REF LONG  
ROUND HEAD TERMINAL SCREW AND  
(MS35333-104) LOCKWASHER

.42 DIA

LEVER

.072±.004 WIDE X .031 DEEP KEYWAY  
TO WITHIN .250 OF SHOULDER

15/32-32 UNS THREAD TO WITHIN .050 OF SHOULDER

HEX NUT .559 ACROSS FLATS X .093 THICK (2)  
(MS25082-C21) 6

INTERNAL TOOTH LOCKWASHER  
.60 DIA X .018 REF THICK (MS 35333-136) 6

KEYING WASHER .72 DIA X .031 THICK  
TAB .110 WIDE 6

CIRCUIT DIAGRAM  
(MECHANICALLY MAINTAINED  
POSITION)

NOTES

1 - EXPOSED PARTS ARE OF CORROSION RESISTANT MATERIAL OR ARE SUITABLY PROTECTED TO PREVENT CORROSION, ENCLOSURE FINISHED WITH BLUE EPOXY BASED ENAMEL COLOR NO. 25184 PER FEDERAL STANDARD 595

2 - SWITCH SEALED PER MIL-S-5594

3 - HOLD IN VOLTAGE: THE MINIMUM SPECIFIED VOLTAGE AT WHICH THE LEVER WILL REMAIN ACTUATED. HOLD IN MAY OCCUR AT A LOWER VALUE. DROP OUT VOLTAGE: THE VOLTAGE RANGE IN WHICH THE LEVER WILL BE RELEASED

4 - CIRCUITS CAN BE TRANSFERRED MANUALLY. ENERGIZING THE COIL WILL NOT CAUSE TRANSFER OF CIRCUITS

5 - CIRCUIT IDENTIFICATION IS SHOWN ON SWITCH

6 - HARDWARE MAY BE FURNISHED UNASSEMBLED PER MIL-S-5594

7 - FORCE TO BE APPLIED AT THIS POINT IN A DIRECTION PERPENDICULAR TO THE LEVER LONGITUDINAL AXIS

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CHARACTERISTICS

3

SOLENOID RATING AT 20°C

STEADY STATE LIMITS ----- 20-29 VDC

HOLD IN ----- 15 VDC

DROP OUT ----- 1-15 VDC

COIL RESISTANCE ----- 220 OHM MIN

OVERRIDE FORCE AT 30 VDC ---- 10 LB MAX

AT 17 VDC --- 93 LB MIN 7

ELECTRICAL DATA

CONTACT ARRANGEMENT  
S P D T

VOLTAGE

28 VOLTS DC

RATINGS IN AMPERES

SEA LEVEL

65,000 FT

INRUSH RES IND MOTOR

4 3 4

INRUSH RES IND MOTOR

4 2.5 4

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE (.0) ±.030

TWO PLACE (.00) ±.015

THREE PLACE (.000) ±.005

ANGLES ±

WEIGHT 6.0 OZ MAX

ANSI Y14.5M-1982 APPLIES

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