



DT-2R-A7



Actual product appearance may vary.

DT Series Standard Basic Switch,
Double Pole Double Throw Circuitry, 10
A at 28 Vdc, Pin Plunger Actuator,
Screw Termination, Military Part
Number MS25008-1

Features

- Mounting interchangeability with type Z switches
- Rated for 10 A at 240 Vac
- Temperature tolerance to 82 °C [180 °F]
- Design permits several wiring combinations

Potential Applications

- Irrigation systems
- Semi-trailer trucks
- Timing devices
- Office equipment
- Test instruments
- Medical/dental equipment
- HVAC equipment
- Manually operated devices
- Valves

Description

MICRO SWITCH™ DT Series standard basic switches consist of two independent single-pole double throw circuits in one housing actuated by one actuator. The terminals are separated by a non-conductive shield to reduce shorting.

Product Specifications	
Switch Type	Standard 25,4 mm H x 17,8 mm W x 50,8 mm L [1.0 in H x 0.7 in W x 2.0 in L]
Sealed	No
Ampere Rating	10 A
Circuitry	Double Pole Double Throw (DPDT)
Actuator	Pin Plunger
Termination	Screw
Operating Temperature Range	-55 °C to 85 °C [-67 °F to 185 °F]
Voltage	28 Vdc
Approvals	CSA,UL
Contact Type	Silver
Operating Force (O.F.)	1,95 N - 2,78 N [7.0 oz - 10.0 oz]
Release Force (R.F.)	0,56 N [2.0 oz] min.

Pretravel (P.T.)	1,91 mm [0.075 in] max.
Overtravel (O.T.)	0,13 mm [0.005 in] min.
Differential Travel (D.T.)	1,02 mm - 1,52 mm [0.040 in - 0.060 in]
Operating Position (O.P.)	15,62 mm \pm 0,38 mm [0.615 in \pm 0.015 in]
Housing Material	General Purpose Phenolic
UL File #	E 12252
CSA File #	LR 41372
Military Part Number	MS25008-1
Mounting Screw Size	3,53 mm [0.139 in]
Mounting Centers	25,4 mm \pm 0,05 mm [1 in \pm 0.002 in]
Maximum Tightening Torque	0,33 N m [3.0 in lb]
Weight	35,38 g [0.078 lb] max.
Package Height	32,49 mm [1.28 in]
Package Width	17,53 mm [0.69 in]
Package Length	49,28 mm [1.94 in]
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	DT

**MICRO SWITCH**FREEPORT, ILLINOIS, U.S.A.
A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

SWITCH-BASIC

CATALOG LISTING

DT-2R-A7

MS 25008-1

L 0061834

T S K
17 JUL 87**M** DT-2R-A7DRAWING
NUMBER

ISSUE

REVISIONS

A CO17725

L E B
27 MAY 83

B CO24941

M B S
2 NOV 68

C CO26075

M B S
26 AUG 69

D CO26678

R E R
1 DEC 69

E CO37528

C J H
31 AUG 76

F CO58589

R E R
12 APR 77

G CO39046

G A S
16 SEPT 77

H CO-50326

K A G
24 NOV 81

J CO58827

T A D
18 DEC 85

K CO62095

T S K
10 JUL 87

REPLACES

RELEASE NO.

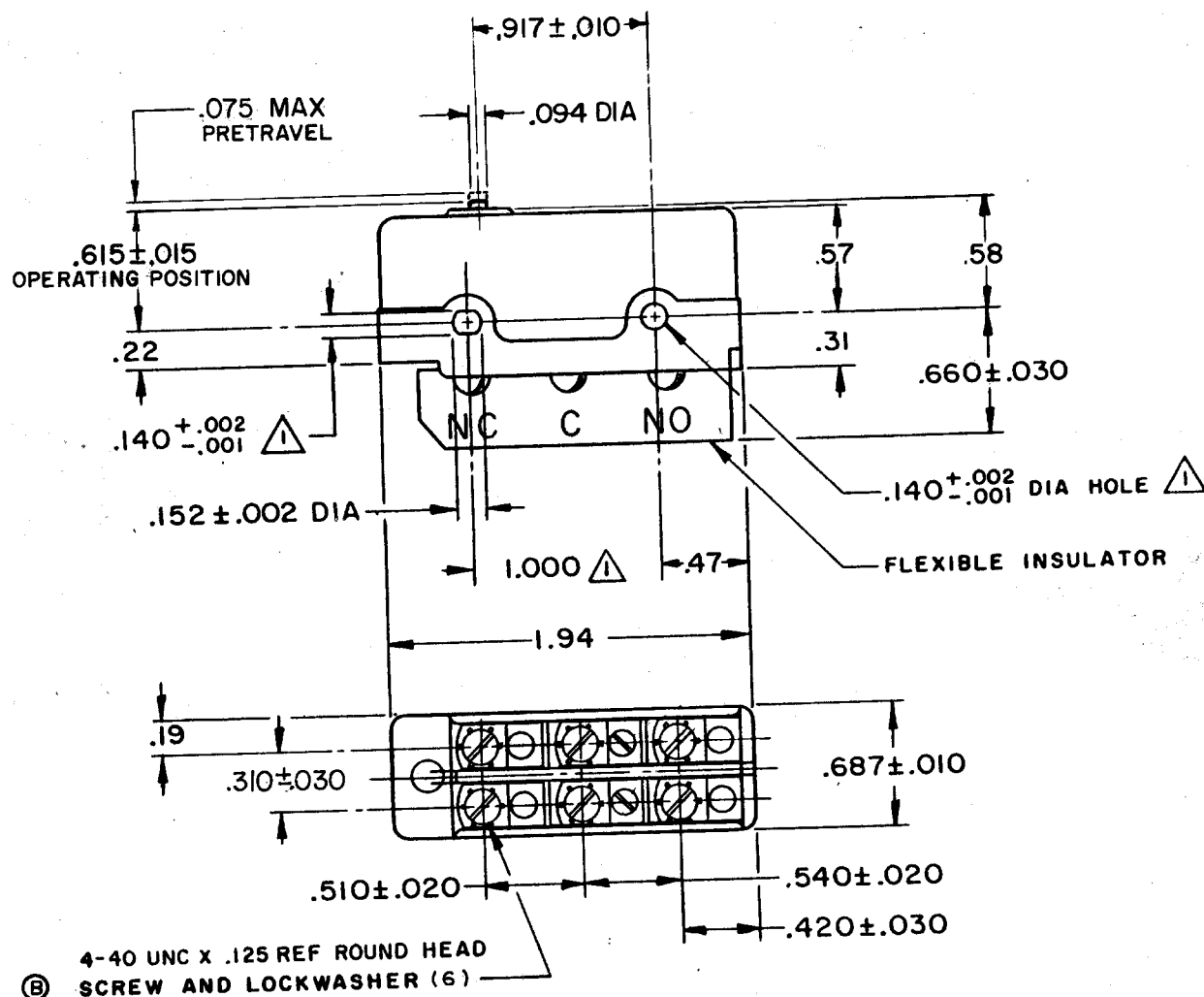
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L E B 27 MAY 83



NOTE -

△ - MOUNTING HOLES WILL ACCEPT PINS OR SCREWS
OF .139 MAX DIA ON 1.000 ± .002 CENTERS

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CHARACTERISTICS

OPERATING FORCE ----- 12-20 OZ
RELEASE FORCE ----- 2 OZ MIN
DIFFERENTIAL TRAVEL ----- .040-.060
OVERTRAVEL ----- .005 MIN

ELECTRICAL DATA

CONTACT ARRANGEMENT
D P D T
UNDERWRITERS' LAB. INC. LISTED RATING
10 A-125 OR 250 VAC
0.5 A-125 VDC; 0.15 A-250 VDC
DWL

SCALE FULL

DO NOT SCALE PRINT

UNLESS OTHERWISE
NOTED

DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

ONE PLACE (.0) ± .030
TWO PLACE (.00) ± .015
THREE PLACE (.000) ± .005
ANGLES ±

WEIGHT .078 LB MAX (D)