



### DTE6-2RN2



**Enclosed Switches Series E6: Top Roller Arm Actuator, Adjustable with Steel Roller; 2NC 2NO DPDT Snap Action; 0.5 in - 14NPT conduit**

*Actual product appearance may vary.*

#### Features

- Side or flange mount
- Momentary or maintained contact
- Grounding screw
- High capacity (22 amp) available
- Temperature range -32 °C to +71 °C [-25 °F to +160 °F]
- Zinc Die-Cast housing NEMA 1
- UL Recognized, file #E12252
- CSA Certified, file #LR41372
- NEMA 1, 3, 4 /IP66
- Pre-leaded or connector termination options

#### Potential Applications

- Packaging equipment
- Special machinery
- Textile machinery
- Conveyors
- Construction machinery and equipment
- Printing trades machinery
- Overhead cranes and hoists

#### Description

MICRO SWITCH™ E6 (side mount) and V6 (flange mount) switches are offered with or without actuator seal boots. Both have a combination insulator/seal cemented inside the bottom enclosure. Lead washers are used to seal the mounting holes on side mount switches. All side mount switches are installed with #6 screws, except the BZE6-2RN7 (#8 screws). Removal of the bottom enclosure exposes the terminals for easy wiring.

| Product Specifications      |                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------|
| Availability                | Global                                                                                  |
| Operating Force (O.F.)      | 13,34 N max. [48 oz max.]                                                               |
| Release Force (R.F.)        | 1,67 N min. [6 oz min.]                                                                 |
| Pretravel (P.T.)            | 7,92 mm max. [0.312 in max.]                                                            |
| Overtravel (O.T.)           | 5,56 mm min. [0.219 in min.]                                                            |
| Differential Travel (D.T.)  | 4,19 mm max. [0.165 in max.]                                                            |
| Product Type                | Enclosed Switches                                                                       |
| Actuator                    | Top Roller Arm                                                                          |
| Lever Style                 | Roller - Adjustable                                                                     |
| Circuitry                   | 2NC 2NO DPDT Snap Action                                                                |
| Ampere Rating               | 10 A Ind./0.3 A Res./0.15 A Res.                                                        |
| Supply Voltage              | 125 Vac, 250 Vac/125 Vdc/250 Vdc                                                        |
| Housing Material            | Zinc Die-Cast                                                                           |
| Termination Type            | 0.5 in - 14NPT conduit                                                                  |
| Housing Type                | Split Housing, Side Mount                                                               |
| Series Name                 | E6/V6                                                                                   |
| Sealing                     | NEMA 1, 3, 4 /IP66                                                                      |
| Approvals                   | UL recognized, CSA certified                                                            |
| CSA File #                  | LR41372                                                                                 |
| UL File #                   | E12252                                                                                  |
| Operating Temperature Range | -32 °C to 71 °C [-25 °F to 160 °F]                                                      |
| Comment                     | With seal boot on plunger; Lever field adjustable 360° horizontally and 225° vertically |
| UNSPSC Code                 | 302119                                                                                  |
| UNSPSC Commodity            | 302119 Switches and controls and relays                                                 |
| Sealed                      | Industrial                                                                              |

**MICRO SWITCH**  
a Honeywell Division

FED. MFG. CODE 91929

SWITCH — ENCLOSED

CATALOG LISTING  
**DTE6-2RN2**

CATALOG LISTING  
**DTE6-2RN2**  
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ISSUE 12

REPLACES

SR-7735

CHECK

BP

REVISIONS

|   |           |           |
|---|-----------|-----------|
| A | CO-73751  | 8 OCT 92  |
| B | CO-73855  | 21 APR 93 |
| C | CO-77179B | 21 FEB 94 |
| D | CO-81513E |           |

CHECK

JAK

5 MAR 97

E 0016895

VKR

18 NOV 05

F 0018962

VKR

14 FEB 06

CHECK

BP

CHECK

BP

CHECK

BP

DDM/CAD  
DRAWN

SAV

8 OCT 92

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**CHARACTERISTICS**

PRETRAVEL — .266 MAX  
DIFFERENTIAL TRAVEL — .165 MAX  
OVERTRAVEL — .219 MIN  
BASIC SWITCH REPLACEMENT — DT-2R3-A7

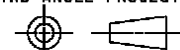
**ELECTRICAL DATA**

CONTACT ARRANGEMENT  
D P D T

L59 10A 125 OR 250 VAC  
0.3A 125 VDC, 0.15A 250 VDC



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 .71 LB

HEX SEAL NUT (.938)  
ACROSS FLATS

ELASTOMER PLUNGER SEAL SECURED TO  
COMPONENTS BY EXTERNAL BANDING

ROLLER LEVER IS SHOWN IN ITS  
FREE POSITION AT ONE EXTREME  
OF ITS ADJUSTABLE RANGE

Ø.750±.030 X  
.250±.030 WIDE  
HARDENED STEEL  
ROLLER

ROLLER LEVER MAY BE POSITIVELY  
LOCKED AT INTERVALS OF APPROXIMATELY  
0.2° WITHIN A RANGE OF 225°  
(1238 POSITIONS)

2X 6-32 UNC  
HEX NUT

1.00  
ACROSS  
FLATS

4X SEALING O-RINGS

1.000±.004

.64

LIGHT HEX JAM NUT  
(.500) ACROSS FLATS

2X 6-32 UNC X (1.500)  
ROUND HEAD MACHINE  
SCREW

4X FLAT WASHERS

.906 MAX

1.57

.72

225°

.750±.030

2.094±.030

GASKET

Ø.62

.890±.030

1/2-14 NPT THREAD  
6-32 UNC X (.312) FLAT  
HEAD SELF LOCKING SCREW

(1.419)

.540±.020

.510±.020

.830±.030

6-32 UNC X (1.000) FLAT  
HEAD SELF LOCKING SCREW

3.040±.030

.19

.19

**NOTES**

- 1 - 6X 4-40 UNC X (.125) TERMINAL SCREW AND LOCKWASHER
- 2 - ROLLER LEVER BRACKET ASSEMBLY MAY BE SET AT ANY POSITION AROUND AXIS OF PLUNGER
- 3 - SEAL RATING : NEMA 1.3  
IP 54

ANSI Y14.5M-1982 APPLIES