

Excellent Integrated System Limited

Stocking Distributor

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[Honeywell Sensing and Productivity Solutions](#)
[151ML3-E1](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

MICRO SWITCH
1 DIVISION OF HONEYWELL REGULATORS DIVISION COMPANY

SWITCH - ENCLOSED

CATALOG LISTING
151ML3-E1

FED MFR CODE 91929

OPERATING HEAD MOUNTS IN ANY OF FOUR POSITIONS

ROLLER LEVER MAY BE REVERSED

1/4-28 UNF HEX LOCKNUT .438 REF ACROSS FLATS

1.780 ± .030R

6.060 ± .030

5.250 ± .030

3.250 ± .030

2.0

1.690 ± .030

1.380 ± .030

1.530 ± .030

.77

1.530 ± .030

.875 ± .030 DIA X .30 WIDE (A) (B)

NYLON ROLLER

10-24 UNC X 1.562 REF COMBO FILLISTER HEAD SCREW AND WASHER(S) (4) RETAINED TO HOUSING

1.530 ± .030

.03

1.45

4.560 ± .030

3.375 ± .010

25 R

.620 ± .030

.75

1.500 ± .010

2.120 ± .030

2.080 ± .030

2.160 ± .030

3.190 ± .030

.406 ± .010 DIA

CAUTION

10-24 UNC X .500 REF COMBO FILLISTER HEAD SCREW AND WASHER(S) (4)

1.190 ± .030

1/2-14 NPT THREAD

FREE POSITION

OPERATING POSITION

OPERATING POSITION

RELEASE POSITION

RELEASE POSITION

NOTES

1 - LISTED BY UNDERWRITERS LABORATORY, INC. FOR USE IN CLASS 1, GROUPS C AND D VAPOR - AIR ATMOSPHERE, AND CLASS 2 GROUPS E, F AND G DUST - AIR ATMOSPHERES

SWITCH IS ASSEMBLED FOR ACTUATION IN EITHER DIRECTION TO CONVERT SWITCH FOR ACTUATION EITHER CLOCKWISE OR COUNTER-CLOCKWISE DIRECTION ONLY REMOVE THE HEAD AND SLIDE THE CAM TOWARD THE REAR OF THE HEAD SUFFICIENTLY TO DISENGAGE FROM THE FLATS ON THE SHAFT. ROTATE THE CAM 90° IN THE OPPOSITE DIRECTION OF THE ACTUATION DESIRED AND RE-ENGAGE THE CAM WITH THE FLATS ON THE SHAFT

4 - LEVER MAY BE POSITIVELY LOCKED AT INTERVALS OF APPROX 0.4° (870 POSITIONS)

5 - LEVER MAY BE ADJUSTED TO ACTUATE THE SWITCH IN THE CLOCKWISE DIRECTION ONLY, THE COUNTER-CLOCKWISE DIRECTION ONLY, OR IN BOTH DIRECTIONS

6 - IT IS ESSENTIAL THAT THE CONDUIT OPENING BE PROPERLY SEALED IN ORDER TO MAINTAIN THE EXPLOSION PROOF PROPERTIES

7 - SWITCH WILL PERFORM SATISFACTORILY IN TEMPERATURES TO MINUS 20°F

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CHARACTERISTICS	ELECTRICAL DATA	SCALE 1/2 TO 1
OPERATING FORCE ----- 3 LB MAX	CONTACT ARRANGEMENT	DO NOT SCALE PRINT
FULL OVERTRAVEL FORCE ----- 4 LB MAX	TWO CIRCUIT DOUBLE THROW	UNLESS OTHERWISE SPECIFIED
RELEASE FORCE ----- 1/4 LB MIN	DOUBLE BREAK	DIMENSIONS ARE IN INCHES
PRETRAVEL ----- ③ ----- 15° MAX	10 A - 120, 240, OR 480 VAC, 1/2 HP - 120 VAC	TOLERANCES ARE:
DIFFERENTIAL TRAVEL ----- ④ ----- 7° MAX	1 HP - 240 VAC, 0.8 A - 115 VDC, 0.4 A - 230 VDC	ONE PLACE (.0) ± .030
OVERTRAVEL ----- ⑤ ----- 60° MIN	PILOT DUTY - 720VA - HEAVY DUTY	TWO PLACE (.00) ± .018
SWITCH BASIC REPLACEMENT ----- IMNI	600 VAC MAX	THREE PLACE (.000) ± .008
		ANGLES ± .008
		WEIGHT

M 151ML3-E1
 ISSUE 10
 REVISIONS
 A 0018841
 B 0018841
 C 0020578
 D 0024675
 E 0024675
 F 0058367
 G 0058367
 H 0063739
 I 0063739
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