



BZG1-2RN2



Actual product appearance may vary.

**Enclosed Switches Series BZG/BZH:
Top Roller Arm Actuator, Adjustable
with Steel Roller; 1NC 1NO SPDT Snap
Action; 1/2 in - 14NPT conduit**

Features

- Cast aluminum housing
- Side or flange mount
- UL Recognized, file #E12252
- Grounding screw
- Sealed to NEMA 1, 3, 4, 13

Potential Applications

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

Description

MICRO SWITCH™ BZG/BZH switches have a neoprene seal gasket between the housing halves, elastomer boot actuators, sealed conduit connectors, and die-cast aluminum housing. Mounting holes are located outside the switch cavity and accept No. 10 screws.

Product Specifications	
Availability	Global
Operating Force (O.F.)	2,78 N to 5,56 N [10 oz to 20 oz]
Release Force (R.F.)	1,67 N min. [6 oz min.]
Pretravel (P.T.)	4,78 mm max. [0.188 in max.]
Overtravel (O.T.)	5,56 mm min. [0.219 in min.]
Differential Travel (D.T.)	0,15 mm max. [0.006 in max.]
Product Type	Enclosed Switches
Actuator	Top Roller Arm
Lever Style	Roller - Adjustable
Circuitry	1NC 1NO SPDT Snap Action
Ampere Rating	15 A Ind./0.5 A Res./0.25 A Res.
Supply Voltage	125 Vac, 250 Vac, or 480 Vac/125 Vdc/250 Vdc

Housing Material	Zinc Die-Cast
Housing Type	Split Housing, Side Mount
Series Name	BZG/BZH
Sealing	NEMA 1, 3, 4, 13
Approvals	UL recognized
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 250° vertically
UNSPSC Code	302119
UNSPSC Commodity	302119 Switches and controls and relays
Sealed	Industrial

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DRAWING NUMBER

ISSUE 8

RELEASE NO. PR-1341

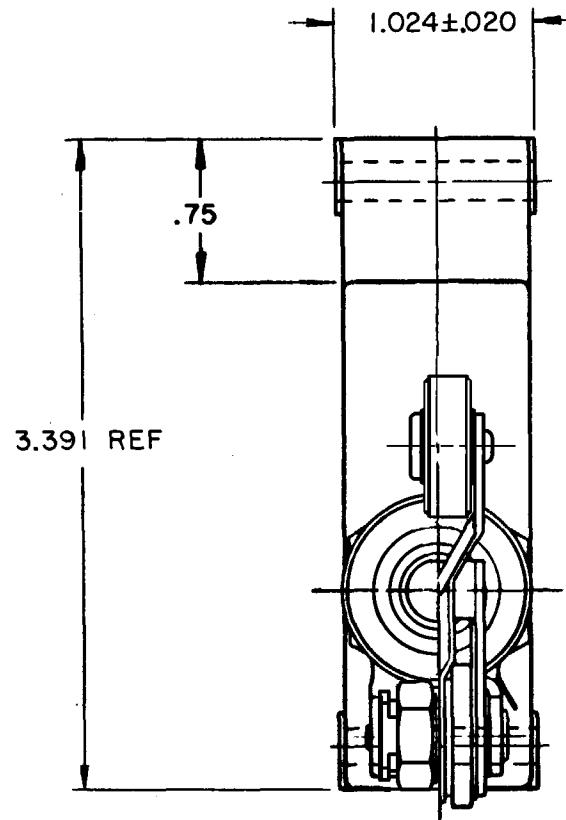
CHECK

REVISIONS

A	PR-1341	SMAR	70
	RER		
	17 JUL 70		
B	C028612	SMAR	70
	MBS		
	11 FEB 71		
C	C037675	WHE	76
	KPK		
	23 SEP 76		
D	C055989	WHE	76
	WJM		
	1 NOV 84		
E	C072977	WHE	77
	GJW		
	8 AUG 92		
F	C077179-C	SMAR	70
	MAM		
	12 MAR 94		
G	C081513B	SMAR	70
	JAK		
	11 MAR 97		

FORMTEK

DRAWN 25 FEB 70



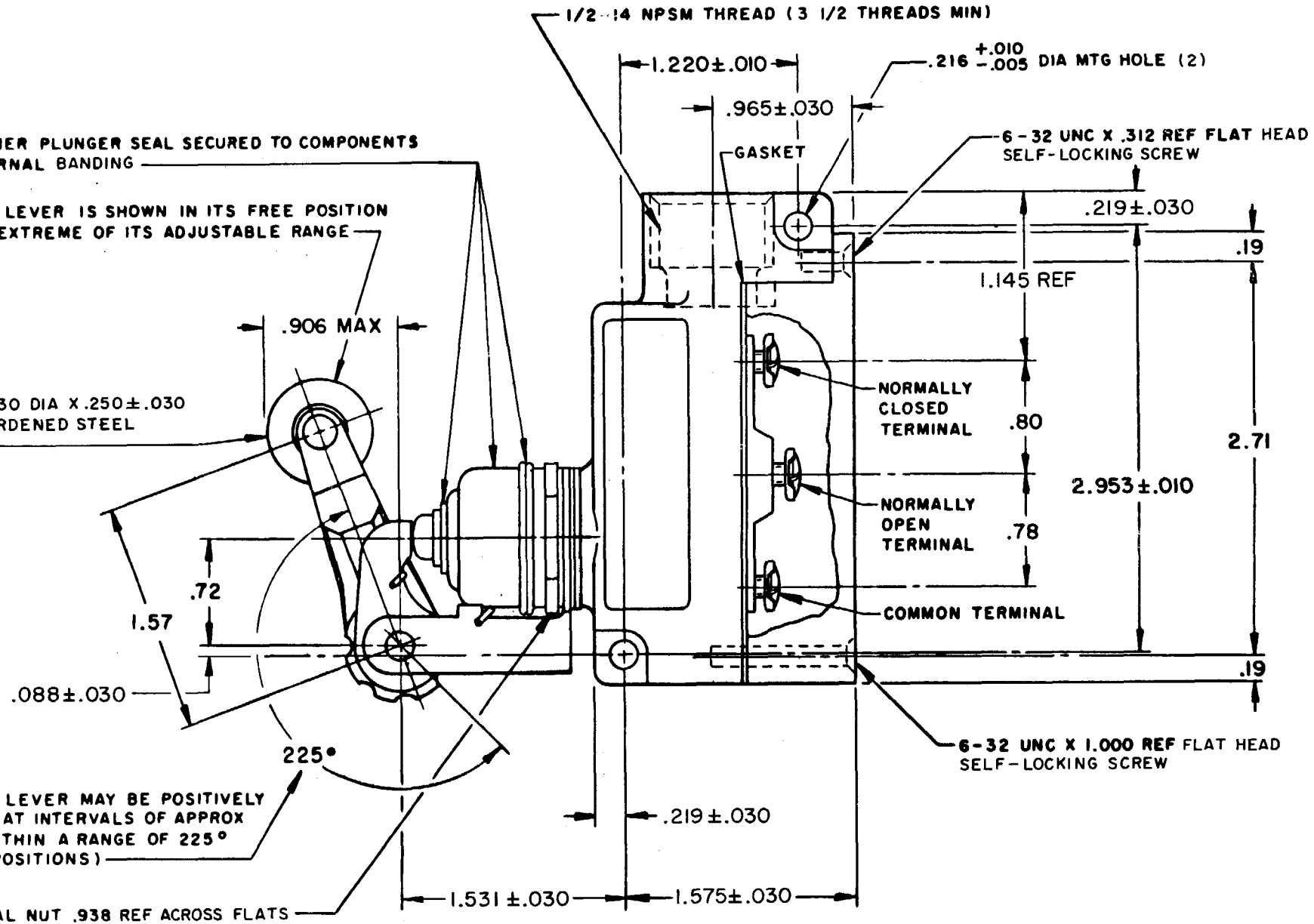
ELASTOMER PLUNGER SEAL SECURED TO COMPONENTS BY EXTERNAL BANDING

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

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

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

HEX SEAL NUT .938 REF ACROSS FLATS



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CHARACTERISTICS	ELECTRICAL DATA	SCALE FULL
OPERATING FORCE ----- 10-20 OZ	CONTACT ARRANGEMENT S P D T	DO NOT SCALE PRINT
RELEASE FORCE ----- 6 OZ MIN	15A-125, 250 OR 480 VAC, 2A-600 VAC 1/8HP-125 VAC; 1/4HP-250 VAC CODE L74 1/2A-125 VDC; 1/4A-250 VDC RU	UNLESS OTHERWISE NOTED
PRETRAVEL ----- .188 MAX		DIMENSIONS ARE IN INCHES
DIFFERENTIAL TRAVEL ----- .006 MAX		TOLERANCES ARE:
OVERTRAVEL ----- .219 MIN		ONE PLACE (.0) ± .030 TWO PLACE (.00) ± .015 THREE PLACE (.000) ± .008 ANGLES ±
SWITCH-BASIC REPLACEMENT --- BZ-2RN702		WEIGHT

- NOTES
- 1 - 6-32 UNC X .219 REF BINDING HEAD TERMINAL SCREW AND CUPWASHER (3)
 - 2 - ROLLER LEVER BRACKET ASSEMBLY MAY BE SET AT ANY POSITION AROUND AXIS OF PLUNGER