

SIDE ROTARY

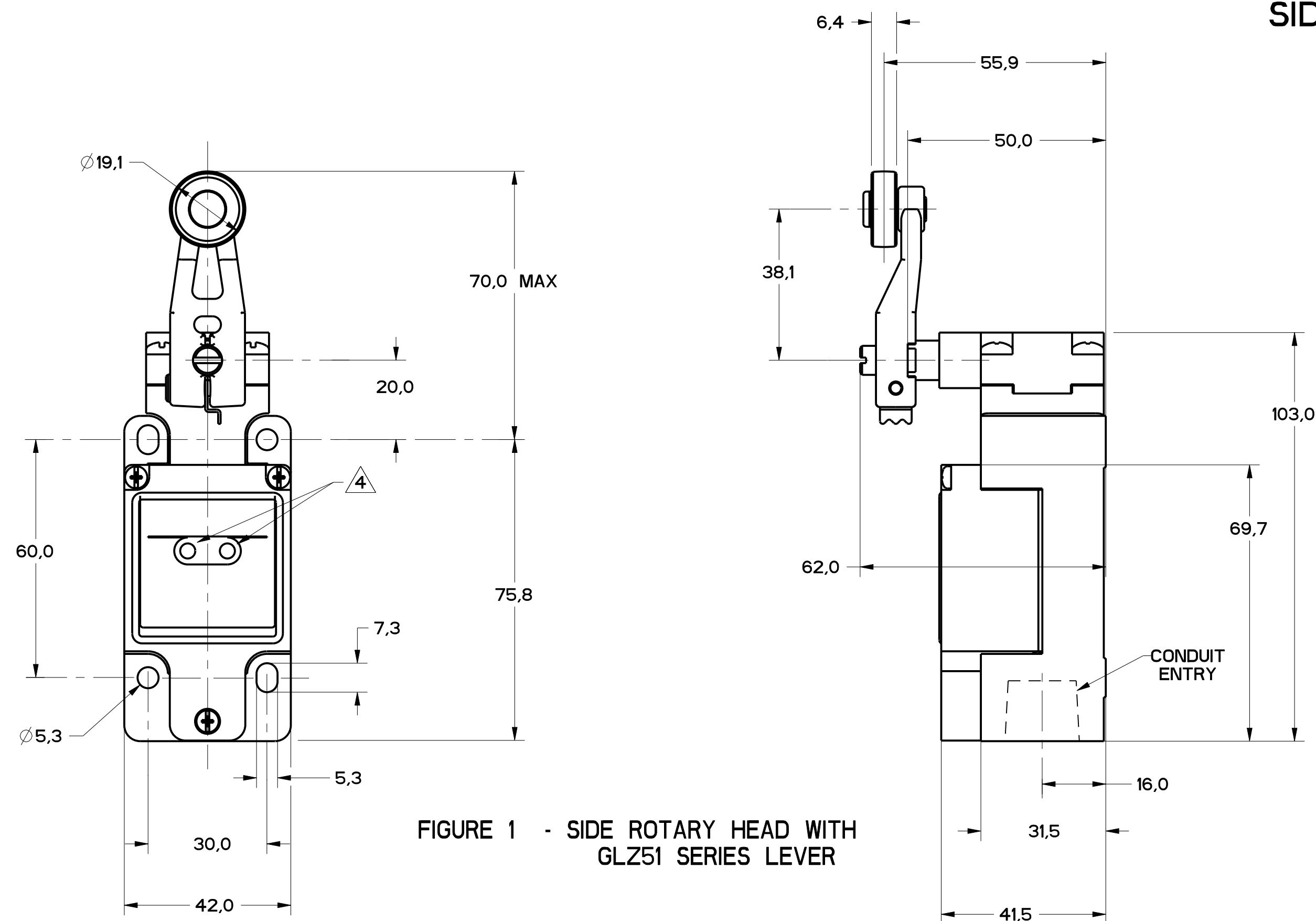


FIGURE 1 - SIDE ROTARY HEAD WITH GLZ51 SERIES LEVER

ALUMINUM ROD
GLZ54J: 200.00 / 7.870 MAX
GLZ54K: 140.00 / 5.510 MAX
STAINLESS STEEL ROD
GLZ54N: 318.00 / 12.490 MAX

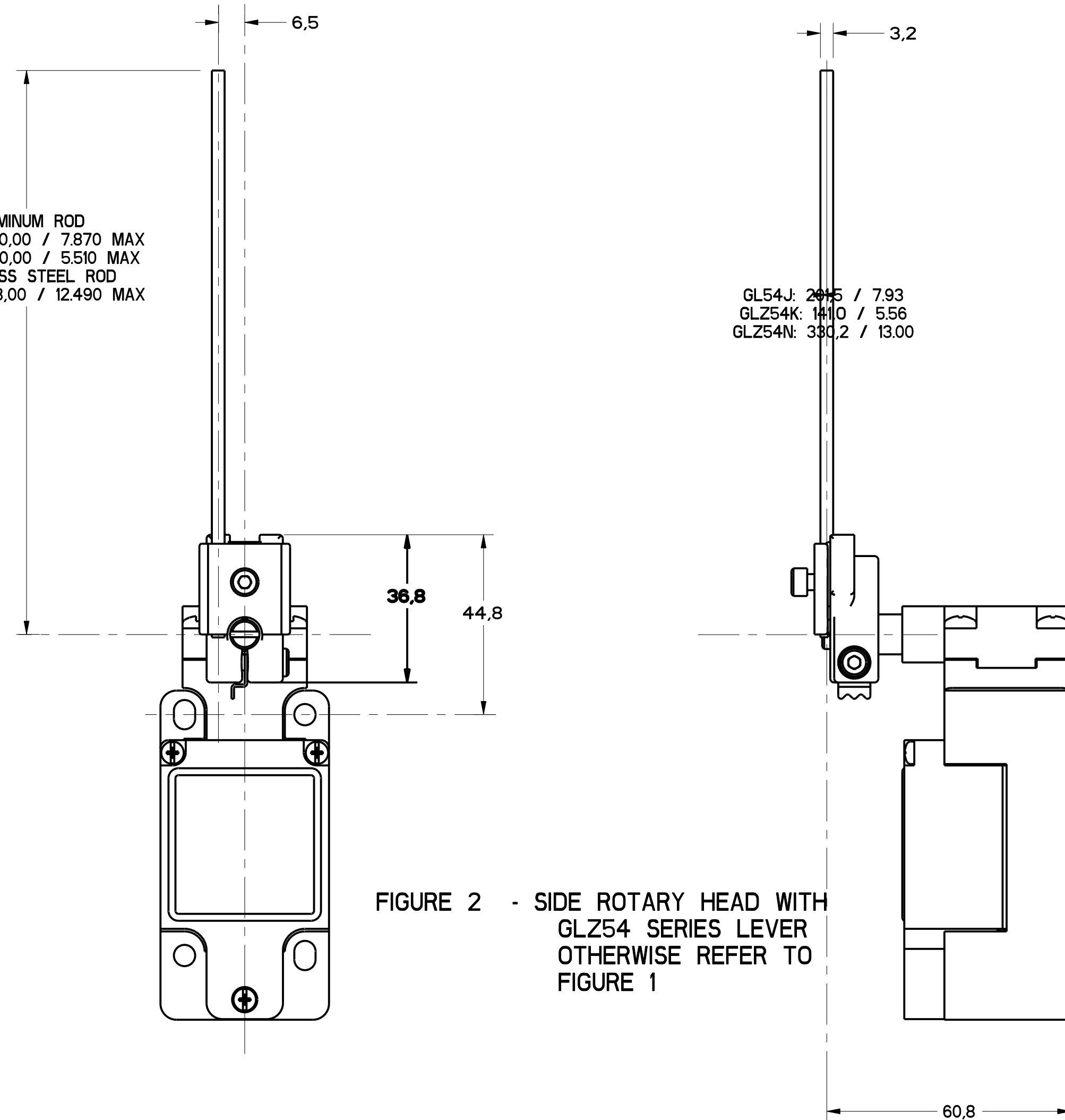


FIGURE 2 - SIDE ROTARY HEAD WITH GLZ54 SERIES LEVER OTHERWISE REFER TO FIGURE 1

FIGURE	CATALOG LISTING	CONDUIT ENTRY
1A	GL*A SERIES	1/2-14 NPT
1B	GL*B SERIES	PG13.5
1C	GL*C SERIES	20mm
1D	GL*D SERIES	PF1/2

ELECTRICAL RATING $\Delta 5$			
AC		DC	
Ue	Ie	Ue	Ie
(VOLTS)	(AMPS)	(VOLTS)	(AMPS)
120	6	24	2.8
240	3	125	.55
380	1.9	250	.27
480	1.5		
500	1.4		
600	1.2		

ENVIRONMENTAL RATING
IP67
NEMA/UL TYPES 1, 4, 12, 13

NOTES

- HEADS MAY BE INDEXED IN 90° INCREMENTS.
- LEVERS MAY BE KEYED TO THE SHAFT AT 90° INCREMENTS. THEY MAY ALSO BE ATTACHED, BUT NOT KEYED ANYWHERE ON THE SHAFT.
- FOR ADDITIONAL LEVERS SEE "M" DRAWING CHART GLZ5
- THE RIGHT INDICATOR IS YELLOW AND INDICATES "OUTPUT STATUS" IT IS ON GLG SERIES PRODUCTS ONLY.
- THE MAXIMUM VOLTAGE, V_e OF GLG SERIES PRODUCTS IS THE MAXIMUM RATED VOLTAGE OF INDICATION LIGHTS
- FREE POSITION, OPERATE POINT, OVERTRAVEL AND PRETRAVEL ALL TO EN50041
- CAM TRAVEL FOR FIG 9 ONLY APPLIES WHEN LEVER IS ADJUSTED TO 38.1 / 1.50
- TEMPERATURE RANGE
(ALL PRODUCTS EXCEPT w/SIDE ROTARY OPERATING HEAD)
OPERATING: -25°C TO +85°C / -13°F TO +185°F
STORAGE: -40°C TO +85°C / -40°F TO +185°F
(PRODUCTS w/SIDE ROTARY OPERATING HEAD)
OPERATING: -40°C TO +85°C / -40°F TO +185°F
STORAGE: -40°C TO +85°C / -40°F TO +185°F

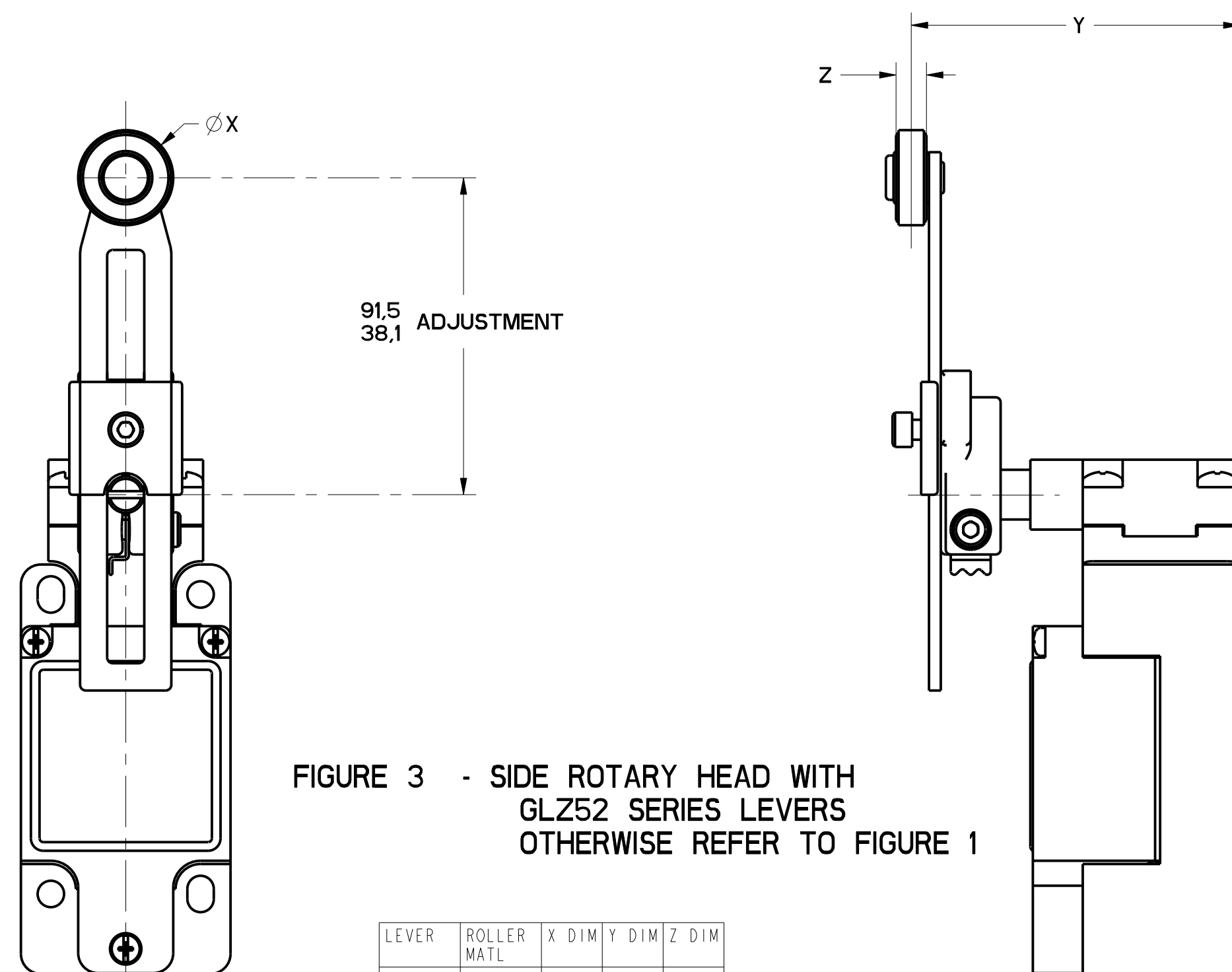


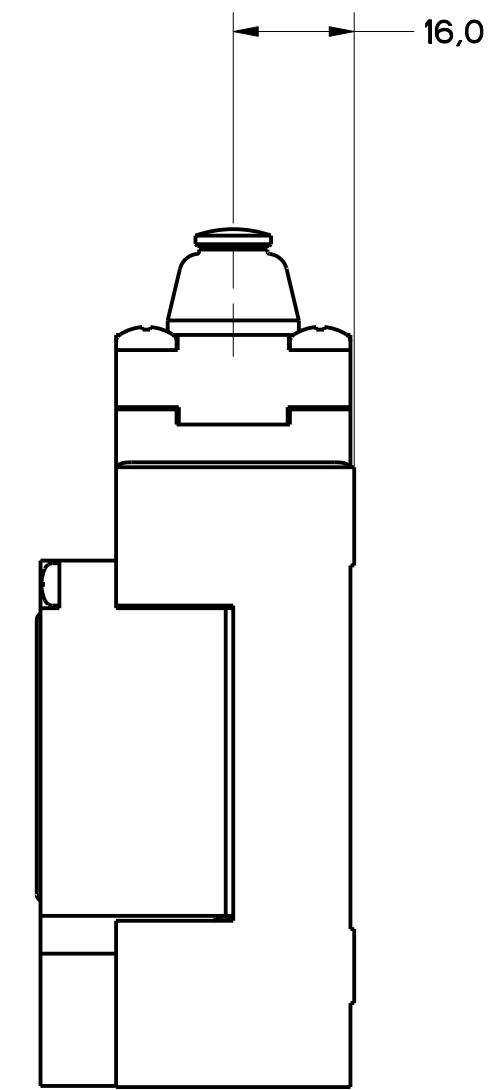
FIGURE 3 - SIDE ROTARY HEAD WITH GLZ52 SERIES LEVERS OTHERWISE REFER TO FIGURE 1

LEVER	ROLLER MATL	X DIM	Y DIM	Z DIM
GLZ52A	NYLON	19.1 .75	65.9 2.59	6.4 .25
GLZ52B	STEEL	19.1 .75	65.9 2.59	6.4 .25
GLZ52D	NYLON	38.1 1.5	65.9 2.59	6.4 .25
GLZ52E	NYLON	19.1 .75	79.37 3.125	33.07 1.300
GLZ52W	RUBBER	40.0 1.5	71.5 2.81	12.7 .5
GLZ52Y	RUBBER	50.9 2.0	71.5 2.81	12.7 .5

CATALOG LISTING	BODY DIMENSIONS, FIGURE	HEAD DIMENSIONS, FIGURE	HEAD ACTUATION, FIGURE
GLB***	I	N/A	N/A
GLG***	I	N/A	N/A
GLJ***	I	N/A	N/A
GL*A***	1A	N/A	N/A
GL*B***	1B	N/A	N/A
GL*C***	1C	N/A	N/A
GL*D***	1D	N/A	N/A
GL***A1*	I	8	
GL***A2*	I	3	9
GL***A4*	I	2	10
GL***A5*	I		8
GL***B	I	4	11
GL***C	I	5	13A, 13B
GL***D	I	6	14A, 14B
GL***E7A	I	7A	12
GL***E7B	I	7	12
GL***E7C	I	7E	12
GL***E7D	I	7B	12
GL***K8A	I	7C	15
GL***K8B	I	7D	15
GL***K8C	I	7	15

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FED. MFG. CODE 91929		SI METRIC ☒ US CUSTOMARY ☐	
MICRO SWITCH a Honeywell Division		SWITCH, ENCLOSED	
		GL SERIES CHART 2	
DESIGN UNITS		WEIGHT	

THIRD ANGLE PROJECTION			
SCALE FULL			
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:			
NO PLACES	1/16	1/32	1/64
ONE PLACE	1/8	1/16	1/32
TWO PLACES	1/4	1/8	1/16
THREE PLACES	1/2	1/4	1/8
ANGLES	1/16	1/32	1/64

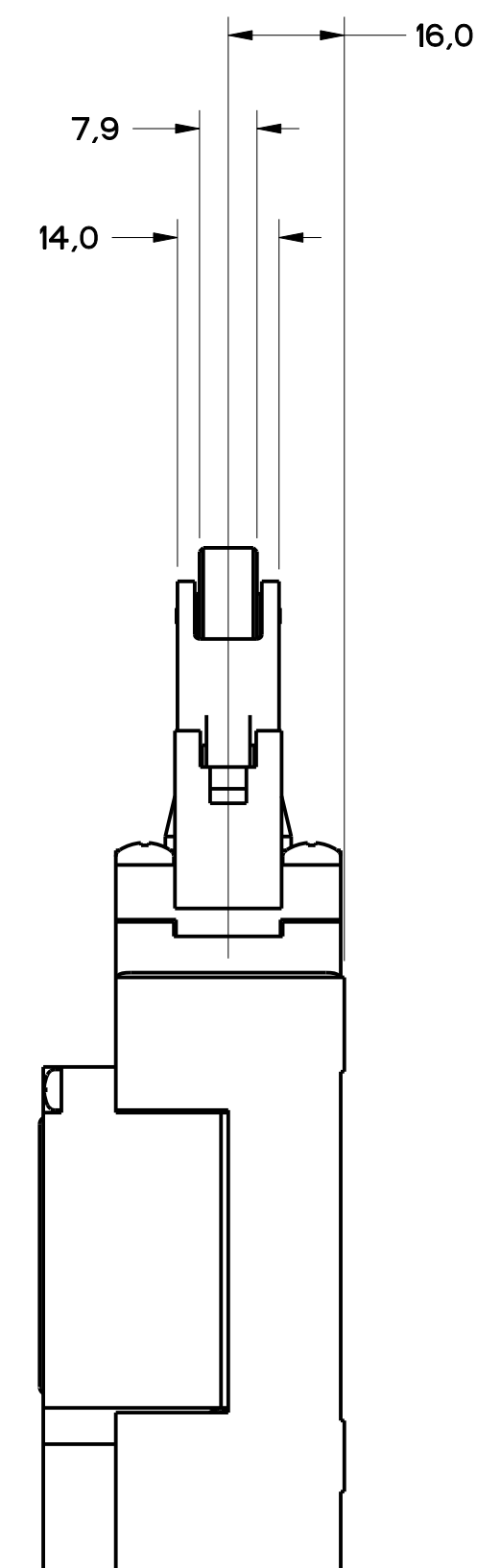


STEEL ROLLER

Ø 12,4

50,5

Technical drawing of a bottle cap (Fig. 1). The drawing shows a side view of the cap with a central protrusion. Dimensions are indicated: 4,7 for the width of the central protrusion and 16,0 for the total width of the cap.



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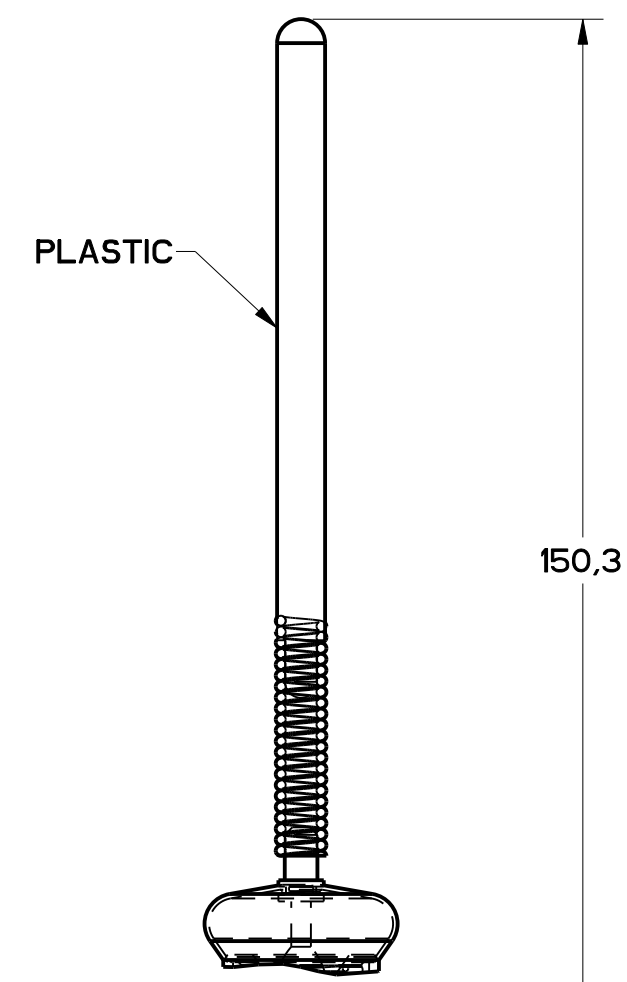
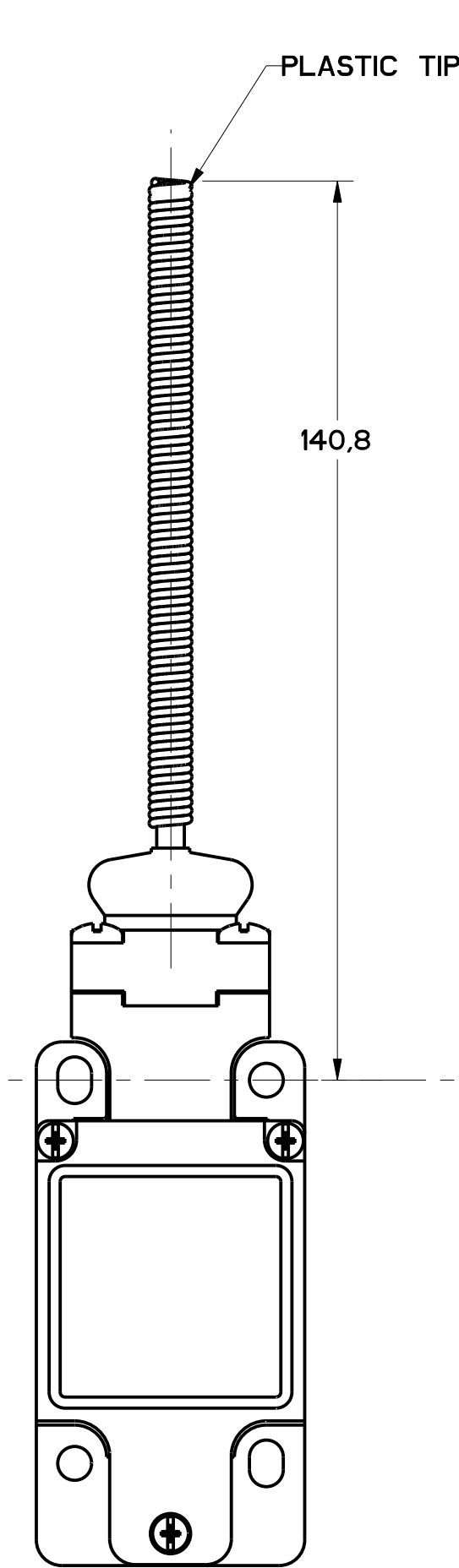


FIGURE 7A -
WOBBLE HEAD,
PLASTIC ACTUATOR,
OTHERWISE SAME AS FIGURE 7

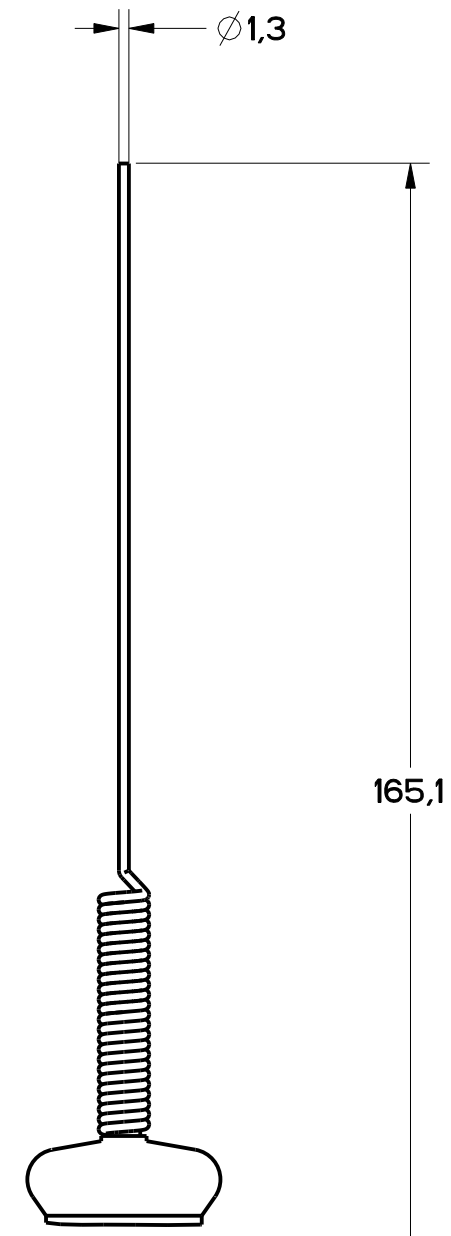


FIGURE 7B -
WOBBLE HEAD
STAINLESS STEEL SPRING
ACTUATOR, OTHERWISE
SAME AS FIGURE 7

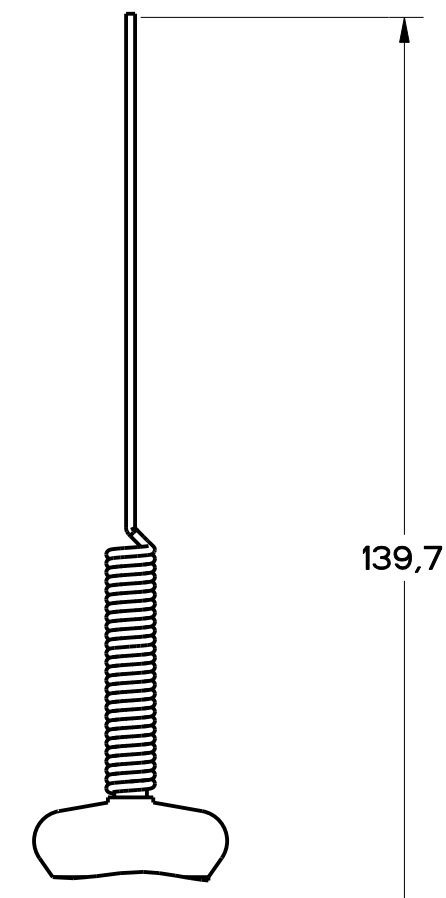


FIGURE 7C -
CAT WHISKER
ACTUATOR STAINLESS
STEEL SPRING
OTHERWISE SAME AS
FIGURE 7

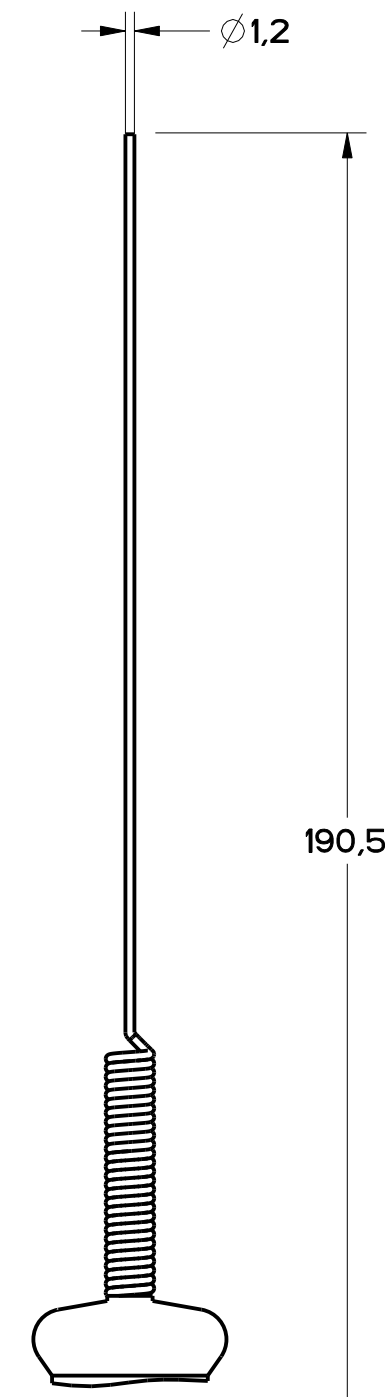


FIGURE 7D -
CAT WHISKER
ACTUATOR, STAINLESS
STEEL SPRING,
OTHERWISE SAME
AS FIGURE 7

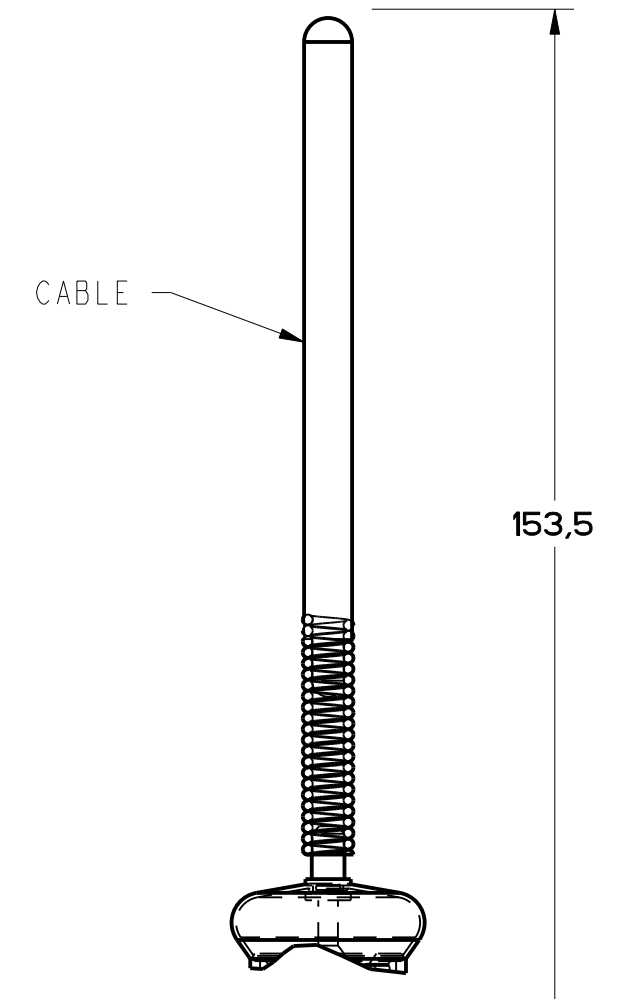


FIGURE 7E -
CABLE WOBBLE
ACTUATOR
OTHERWISE SAME
AS FIGURE 7

FIGURE 7 - WOBBLE HEAD, AND CAT WHISKER HEAD
COIL ACTUATOR,
OTHERWISE REFER TO
FIGURE 1

THIRD ANGLE PROJECTION			
SCALE FULL			
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:			
DESIGN UNITS	SI METRIC	US CUSTOMARY	
NO PLACES	±0.04	±0.005	
ONE PLACE	±0.05	±0.005	
TWO PLACES	±0.005	±0.005	
THREE PLACES	±0.0005	±0.0005	
ANGLES	±2°	±2°	



CAM ACTUATION PER EN50041, FIGURES 8 AND 9 							
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5 DIMENSIONS IN mm	MAXIMUM OPERATING FORCE LB	MAXIMUM DISCONNECT FORCE LB	MAX OPERATE VEL in/s	MIN OPERATE VEL in/s	MAX OPERATE FREQUENCY OPS/MIN
GL**02A*	Snap - Action Contacts Single Pole 	02056** 21-2213-14 >< 12 DIFFERENTIAL TRAVEL	9.7 2.2	11.4 2.6	.85 33.5	8.5 .33	250

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.				<table><tr><td>QW</td><td>TOL</td><td>QW</td><td>TOL</td></tr><tr><td>dim</td><td>dim</td><td>dim</td><td>dim</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>		QW	TOL	QW	TOL	dim	dim	dim	dim																					
QW	TOL	QW	TOL																															
dim	dim	dim	dim																															
FED. MFG. CODE 91929		CATALOG LISTING																																
MICRO SWITCH a Honeywell Division		SWITCH, ENCLOSED		GL SERIES CHART 2																														
		<table><tr><td>NO PLACES</td><td>X</td><td>1/2" (4)</td><td>1.4</td><td>0.85/0.915</td></tr><tr><td>ONE PLACE</td><td>X X</td><td>0.47/0.16</td><td>1.1X1</td><td>0.58/0.615</td></tr><tr><td>TWO PLACES</td><td>X X X</td><td>0.15/0.08</td><td>1.1X1</td><td>0.58/0.615</td></tr><tr><td>THREE PLACES</td><td></td><td></td><td></td><td></td></tr><tr><td>ANGLES</td><td></td><td>± 1/2°</td><td></td><td></td></tr></table>		NO PLACES	X	1/2" (4)	1.4	0.85/0.915	ONE PLACE	X X	0.47/0.16	1.1X1	0.58/0.615	TWO PLACES	X X X	0.15/0.08	1.1X1	0.58/0.615	THREE PLACES					ANGLES		± 1/2°			<table><tr><td>SI METRIC</td><td>US CUSTOMARY</td></tr><tr><td>DESIGN UNITS</td><td>☒</td></tr></table>		SI METRIC	US CUSTOMARY	DESIGN UNITS	☒
NO PLACES	X	1/2" (4)	1.4	0.85/0.915																														
ONE PLACE	X X	0.47/0.16	1.1X1	0.58/0.615																														
TWO PLACES	X X X	0.15/0.08	1.1X1	0.58/0.615																														
THREE PLACES																																		
ANGLES		± 1/2°																																
SI METRIC	US CUSTOMARY																																	
DESIGN UNITS	☒																																	
		WEIGHT																																



FIGURE 12



FIGURE 12, WOBBLE HEAD, SIDE ACTUATION AT 100mm							
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS ■ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE $\frac{N}{LB}$	MAXIMUM DISCONNECT FORCE $\frac{N}{LB}$	MAX OPERATE VEL $\frac{M/S}{IN/S}$	MIN OPERATE VEL $\frac{MM/S}{IN/S}$	MAX OPERATE FREQUENCY OPS/MIN
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 		$\frac{2.5}{0.6}$	N/A	$\frac{5}{19.7}$	$\frac{11}{.43}$	100

THIRD ANGLE PROJECTION



SCALE

FULL

DO NOT SCALE PRINT

TOLERANCES

APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE :

NO PLACES

ONE PLACE

TWO PLACES

THREE PLACES

ANGLES

INCH

MILLIMETER

0.001

0.025

0.005

0.127

0.010

0.254

0.015

0.381

0.020

0.508

0.030

0.762

0.040

1.016

0.050

1.270

0.060

1.524

0.070

1.778

0.080

2.032

0.090

2.286

0.100

2.540

0.125

3.175

0.150

3.810

0.175

4.445

0.200

5.080

0.250

6.350

0.300

7.620

0.375

9.525

0.500

12.700

0.625

15.875

0.750

19.050

0.875

22.225

1.000

25.400

1.250

31.750

1.500

38.100

1.750

44.450

2.000

50.800

2.500

63.500

3.000

76.200

3.500

88.900

4.000

101.600

4.500

114.300

5.000

127.000

5.500

139.700

6.000

152.400

6.500

165.100

7.000

177.800

7.500

190.500

8.000

203.200

8.500

215.900

9.000

228.600

9.500

241.300

10.000

254.000

11.000

279.400

12.000

304.800

13.000

330.200

14.000

355.600

15.000

381.000

16.000

406.400

17.000

431.800

18.000

457.200

19.000

482.600

20.000

508.000

22.000

558.800

24.000

609.600

26.000

660.400

28.000

711.200

30.000

762.000

32.000

812.800

34.000

863.600

36.000

914.400

38.000

965.200

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1016.000

42.000

1066.800

44.000

1117.600

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1168.400

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1219.200

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1270.000

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1320.800

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1473.200

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1524.000

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1574.800

64.000

1625.600

66.000

1676.400

68.000

1727.200

70.000

1778.000

72.000

1828.800

74.000

1879.600

76.000

1930.400

78.000

1981.200

80.000

2032.000

82.000

2082.800

84.000

2133.600

86.000

2184.400

88.000

2235.200

90.000

2286.000

92.000

2336.800

94.000

2387.600

96.000

2438.400

98.000

2489.200

100.000

2540.000

FED. MFG. CODE 91929

MICRO SWITCH

a Honeywell Division

SWITCH, ENCLOSED

CATALOG LISTING

GL SERIES CHART 2

SI METRIC

DESIGN UNITS ☒

US CUSTOMARY

DESIGN UNITS ☐

AMSL X14 FM 1000 APR 1965

REVISIONS		
A	CO	78529
B	CS	81101
B	CO	93788
C	CO	93788
C	CO	93788
D	CO	93788
E	CO	93788

FIGURE 13A, ROLLER PLUNGER HEAD, PIN ACTUATION

CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE VEL M/S in/S	MAX OPERATE FREQUENCY OPS/MIN
GL**02C	SNAP - ACTION CONTACTS SINGLE POLE 	 0.9 DIFFERENTIAL TRAVEL	16 3.6	27 6.0	0.1 3.9	1.0 .04	250

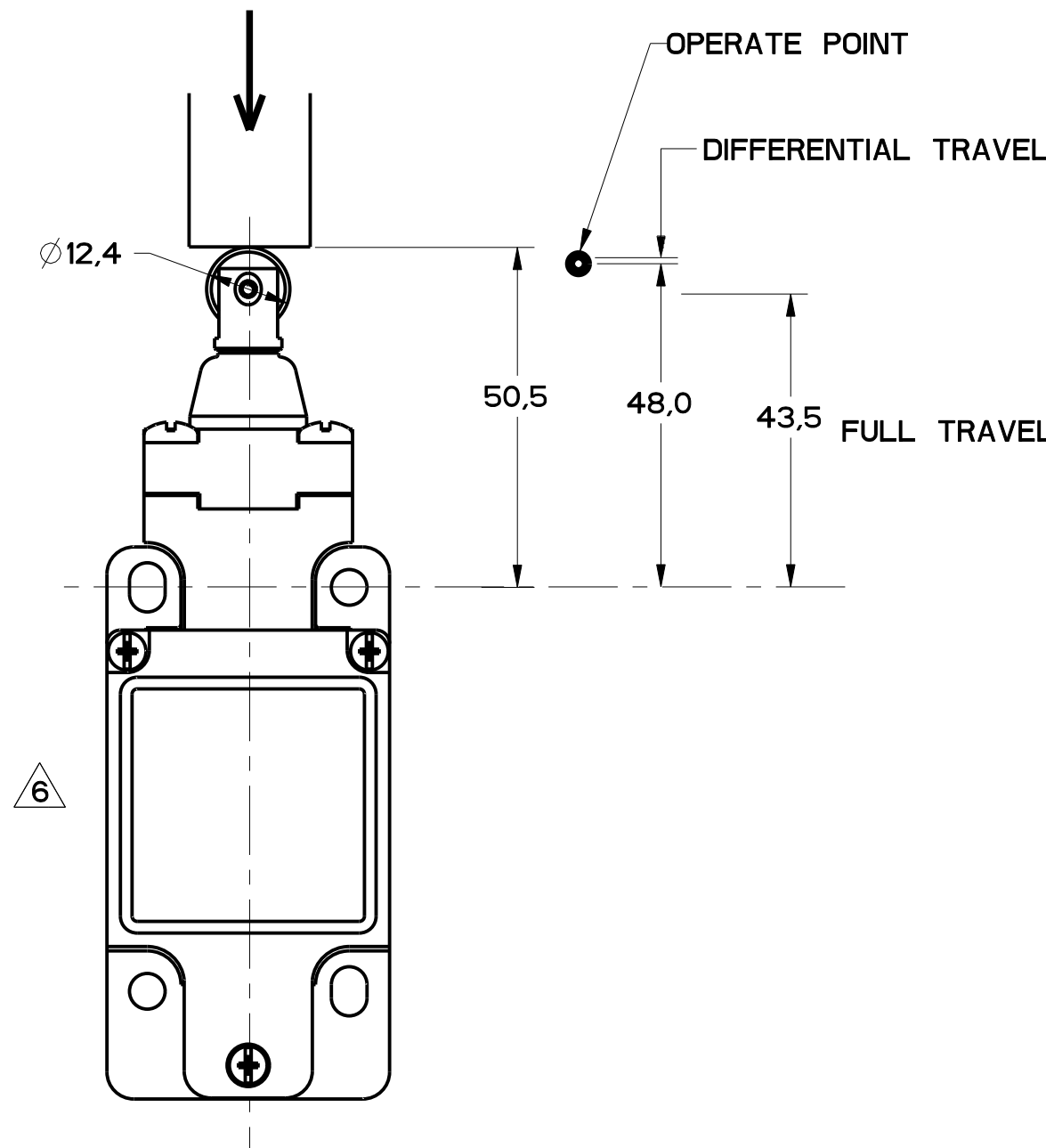


FIGURE 13A

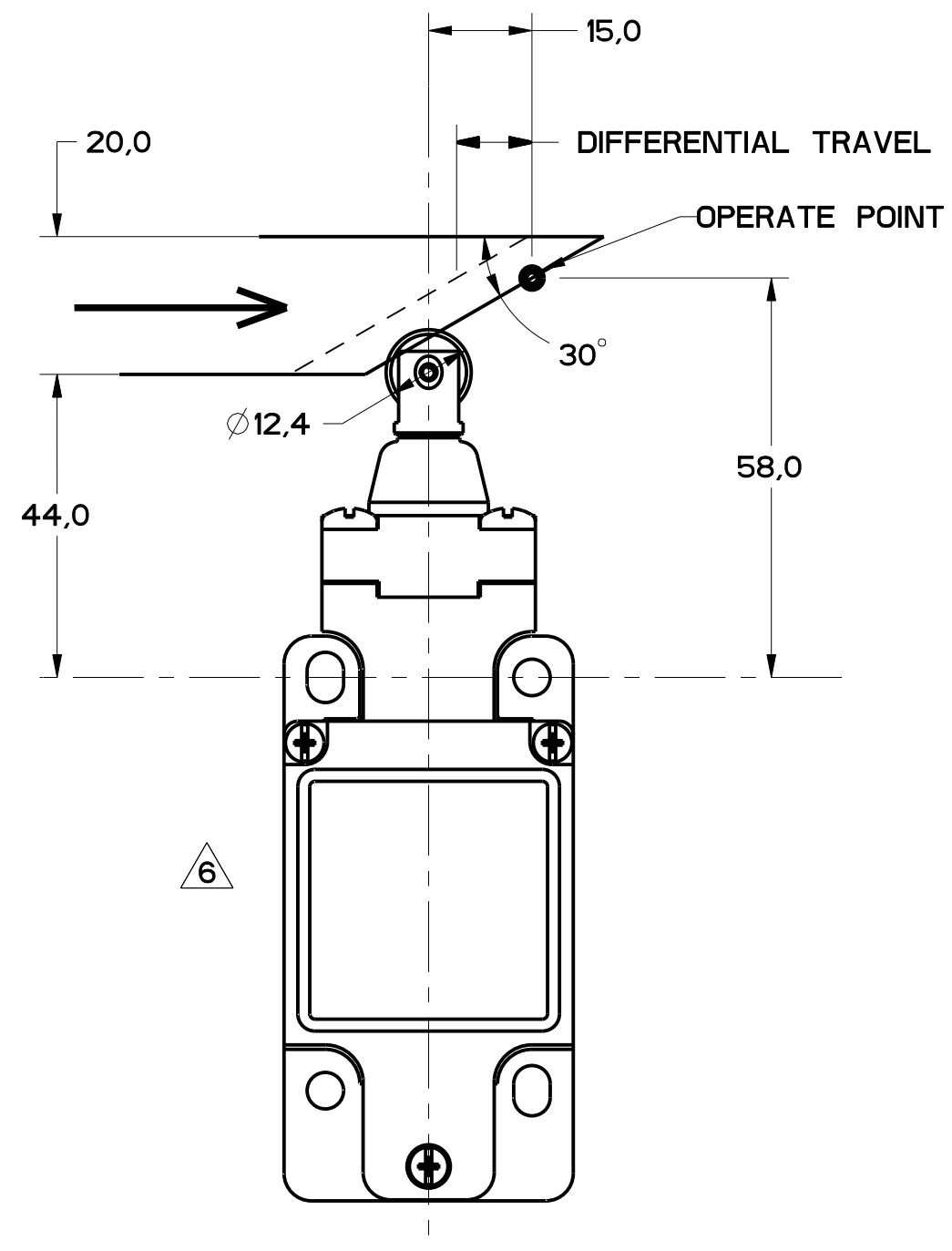


FIGURE 13B

FIGURE 13B, TOP ROLLER PLUNGER HEAD, CAM ACTUATION PER EN50041

CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE VEL M/S in/S	MAX OPERATE FREQUENCY OPS/MIN
GL**02C	SNAP - ACTION CONTACTS SINGLE POLE 	 1.8 DIFFERENTIAL TRAVEL	9.3 2.1	15.6 3.5	0.17 6.7	1.7 .067	250

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

TOLERANCES
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:

	IN	TOL	MM	TOL
NO PLACES	X	1/16	1.0	0.01
ONE PLACE	X.X	0.0156	0.4	0.025
TWO PLACES	X.XX	0.0031	0.1	0.005
THREE PLACES	X.XXX	0.0008	0.025	0.001

DESIGN UNITS: SI METRIC [X] US CUSTOMARY []

REVISIONS		
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B	1	01
C	20	SEP 94
D	CO	93789
E	REV	200788
F	0000401	
G	011	2 JUN 93
H	0002986	
I	20	JAN 94
J	0017532	
K	0000005	

FIGURE 14A, TOP ROLLER LEVER HEAD WITH PIN ACTUATION

CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE VEL M/S in/S	MAX OPERATE FREQUENCY OPS/MIN
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE 	 1.7 DIFFERENTIAL TRAVEL	9.5 2.1	12 2.7	0.17 6.7	1.7 .067	250

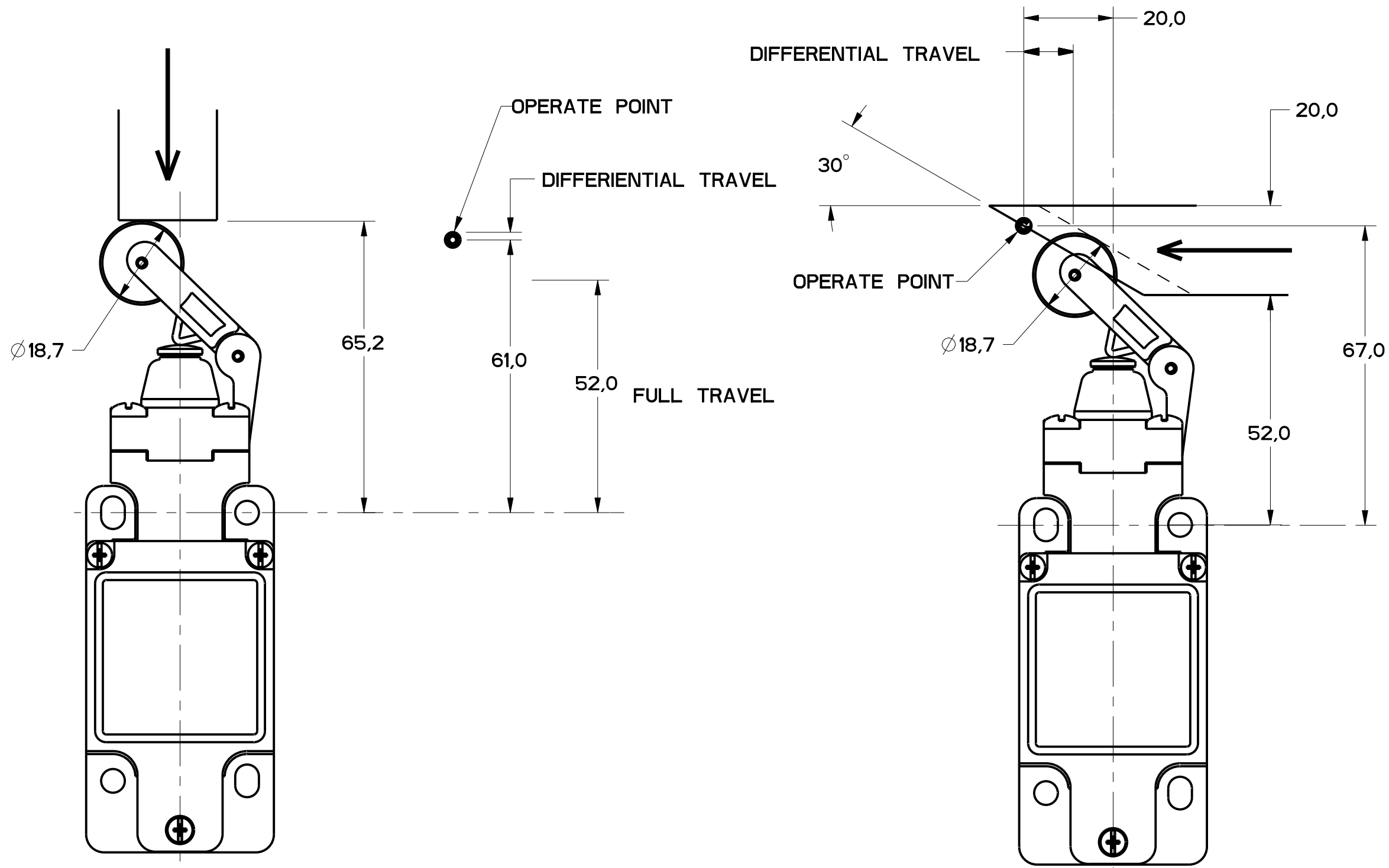


FIGURE 14A

FIGURE 14B

FIGURE 14B, TOP ROLLER LEVER HEAD WITH CAM ACTUATION

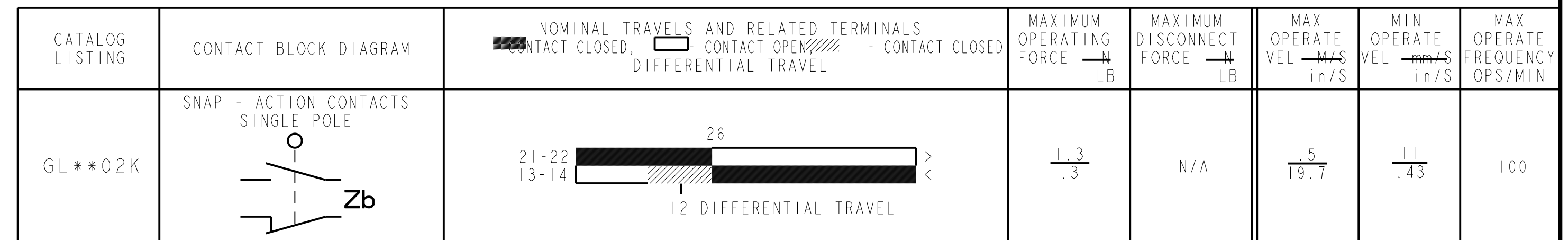
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE VEL M/S in/S	MAX OPERATE FREQUENCY OPS/MIN
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE 	 4.1 DIFFERENTIAL TRAVEL	5.5 1.2	7.0 1.6	0.29 11.4	2.9 .11	250

THIRD ANGLE PROJECTION			
SCALE FULL			
DO NOT SCALE PRINT			
TOLERANCES APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:			
	MM	TOL	IN
NO PLACES	X	1/104	1/16
ONE PLACE	X.X	0.01/0.05	0.001/0.005
TWO PLACES	X.XX	0.001/0.005	0.0001/0.0005
THREE PLACES	X.XXX	0.0001/0.0005	0.00001/0.00005
ANGLES	± 2		
DESIGN UNITS	SI METRIC		
	X		
WEIGHT	US CUSTOMARY		
	□		

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FED. MFG. CODE 91929		GL SERIES CHART 2	
MICRO SWITCH a Honeywell Division		SWITCH, ENCLOSED	



CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL	MAXIMUM OPERATING TORQUE N-m LB-IN	MAXIMUM DISCONNECT TORQUE N-m LB-IN	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S	MAX OPERATE RATE CYCLES/MIN
GL**02K	SNAP - ACTION CONTACTS SINGLE POLE 		0.1 9	N/A	360	8	100





**Стандарт
Электрон
Связь**

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Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331