

NOTES

- 1 - HEADS MAY BE INDEXED IN 90° INCREMENTS
- 2 - LEVERS MAY BE KEYED TO THE SHAFT AT 90° INCREMENTS. THEY MAY ALSO BE ATTACHED, BUT NOT KEYED ANYWHERE ON THE SHAFT.
- 3 - FOR ADDITIONAL LEVERS SEE "M" DRAWING CHART GL25
- 4 - THE RIGHT INDICATOR IS YELLOW AND INDICATES "OUTPUT STATUS" IT IS ON GLG SERIES PRODUCTS ONLY.
- 5 - THE MAXIMUM VOLTAGE, V_e OF GLG SERIES PRODUCTS IS
- 6 - THE MAXIMUM RATED VOLTAGE OF INDICATION LIGHTS
- 7 - FREE POSITION, OPERATE POINT, OVERTRAVEL AND PRETRAVEL ALL TO EN50041
- 8 - 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



LEVER	ROLLER MATERIAL	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	3.125 2.59	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

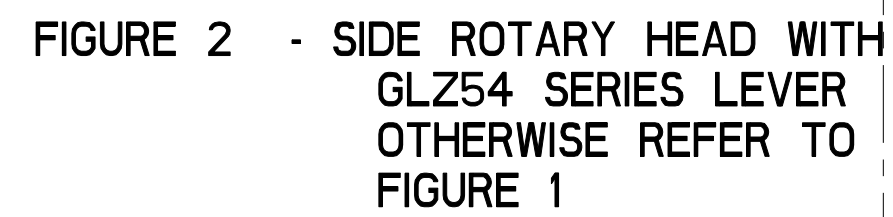
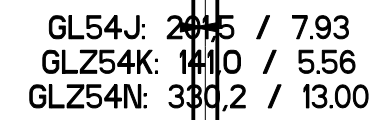


FIGURE	CATALOG LISTING	CONDUIT ENTRY
1A	GL•A SERIES	1/2-14 NPT
1B	GL•B SERIES	PG13.5
1C	GL•C SERIES	20mm
1D	GL•D SERIES	PFI/2

ELECTRICAL RATING 			
AC		DC	
A600 Ue	AC15 Ie	Q300 Ue	DC13 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

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***	IA	N/A	N/A
GL*B***	IB	N/A	N/A
GL*C***	IC	N/A	N/A
GL*D***	ID	N/A	N/A
GL****A *	I	1	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

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

TOLERANCES

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

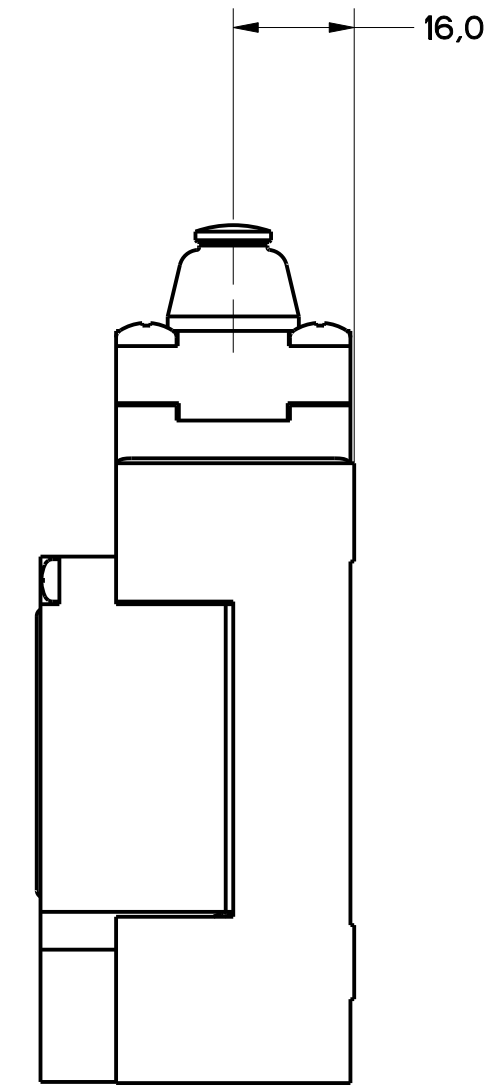
DIM.	TOL.	DIM.	TOL.
inch	mm		
NO PLACES	17.00		0.01, 0.05
1	0.012, 0.015		0.001, 0.015
2 PLACES	0.001, 0.005	1.000	0.0001, 0.0005
THREE PLACES	0.0001, 0.0005		
ANGLES	0.005°		

SI METRIC

US CUSTOMARY

DESIGN UNITS

WEIGHT

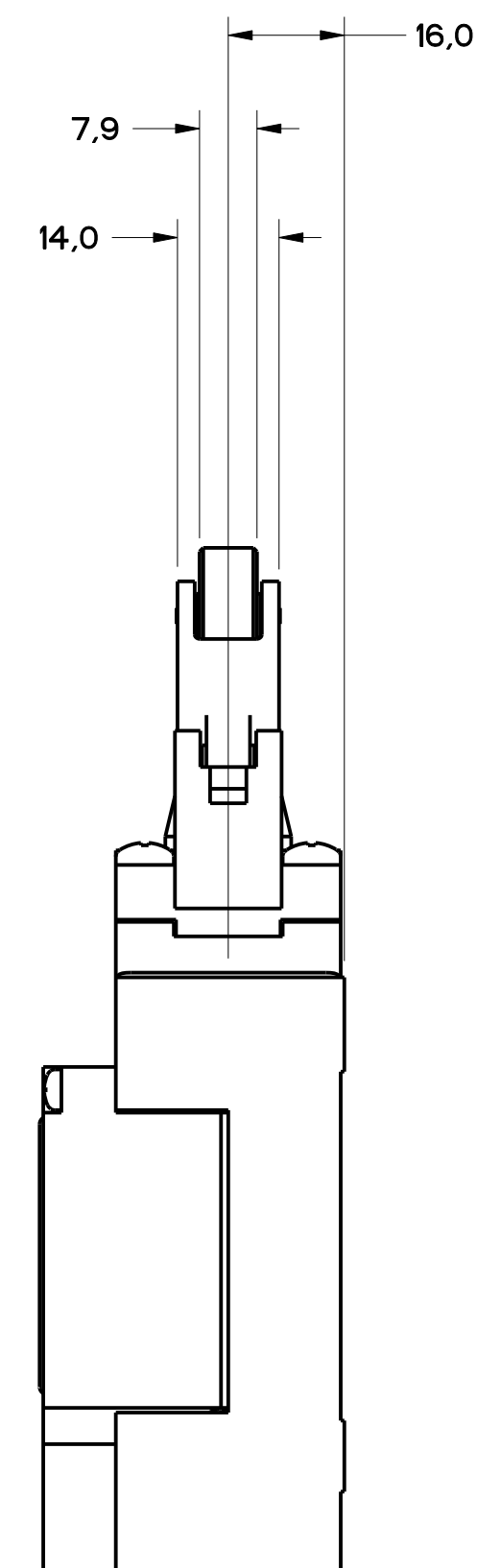


STEEL ROLLER

Ø 12,4

50,5

Technical drawing of a vertical component, likely a valve or actuator. The drawing shows a cross-section of the component. At the top, there is a small rectangular feature with a central slot. Below this is a larger, rounded section. The main body of the component is a large, rectangular block. A dimension line indicates a height of 4,7 for the top section. Another dimension line indicates a total height of 16,0 for the entire component.



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 border="1"> <tr> <td>DIM</td> <td>TOL</td> <td>DIM</td> <td>TOL</td> </tr> <tr> <td>1</td> <td>0.0015</td> <td>1</td> <td>0.0015</td> </tr> <tr> <td>2</td> <td>0.0015</td> <td>2</td> <td>0.0015</td> </tr> <tr> <td>3</td> <td>0.0015</td> <td>3</td> <td>0.0015</td> </tr> <tr> <td>4</td> <td>0.0015</td> <td>4</td> <td>0.0015</td> </tr> <tr> <td>5</td> <td>0.0015</td> <td>5</td> <td>0.0015</td> </tr> <tr> <td>6</td> <td>0.0015</td> <td>6</td> <td>0.0015</td> </tr> <tr> <td>7</td> <td>0.0015</td> <td>7</td> <td>0.0015</td> </tr> <tr> <td>8</td> <td>0.0015</td> <td>8</td> <td>0.0015</td> </tr> <tr> <td>9</td> <td>0.0015</td> <td>9</td> <td>0.0015</td> </tr> <tr> <td>10</td> <td>0.0015</td> <td>10</td> <td>0.0015</td> </tr> <tr> <td>11</td> <td>0.0015</td> <td>11</td> <td>0.0015</td> </tr> <tr> <td>12</td> <td>0.0015</td> <td>12</td> <td>0.0015</td> </tr> <tr> <td>13</td> <td>0.0015</td> <td>13</td> 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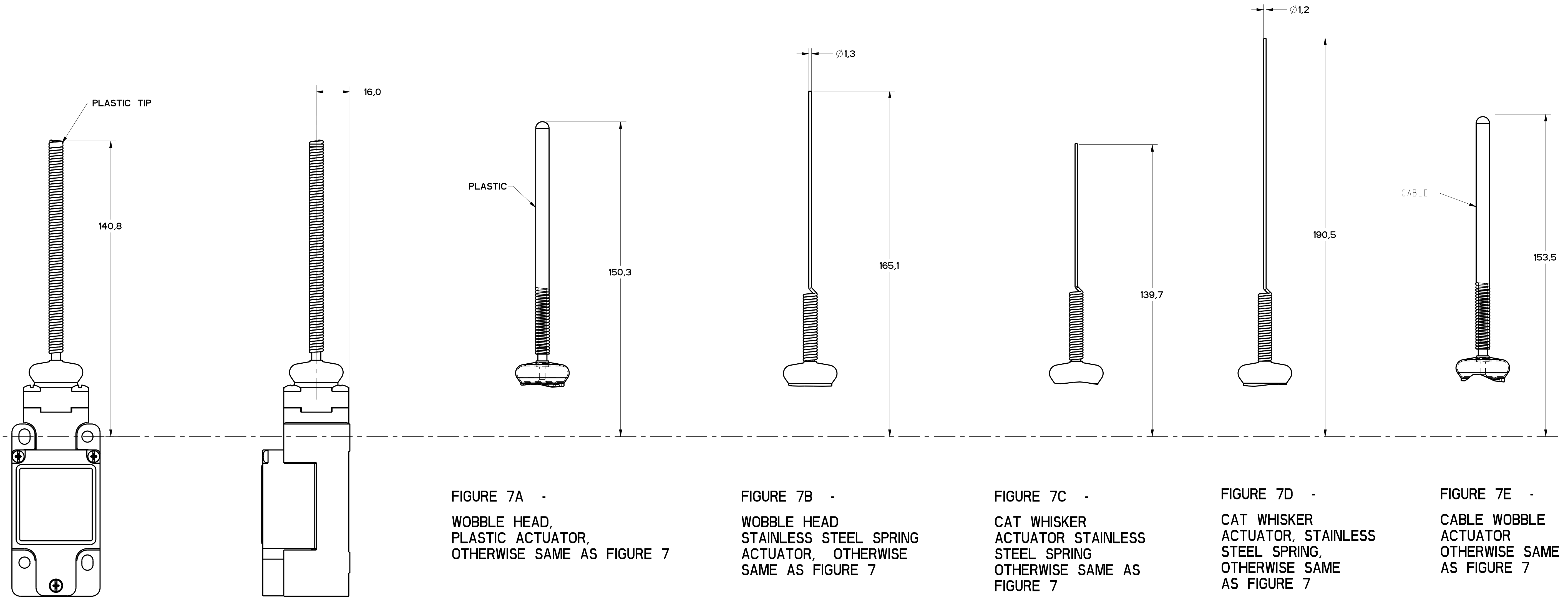


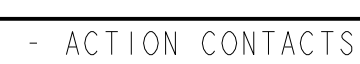
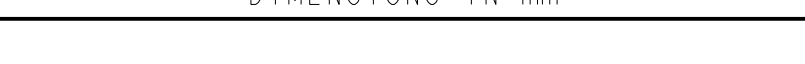
FIGURE 7 - WOBBLE HEAD, AND CAT WHISKER HEAD COIL ACTUATOR, OTHERWISE REFER TO FIGURE 1

11
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PAGE 3 OF 8
RELEASE NO. PR-21587
REPLACES

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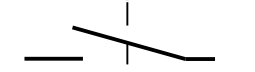
CAM ACTUATION PER EN50041, FIGURES 8 AND 9 							
CATALOG LISTING	CONTACT BLOCK DIAGRAM	 NOMINAL TRAVELS AND RELATED TERMINALS  CONTACT CLOSED,  CONTACT OPEN,  - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5 DIMENSIONS IN mm	MAXIMUM OPERATING FORCE  LB	MAXIMUM DISCONNECT FORCE  LB	MAX OPERATE VEL  in/s	MIN OPERATE VEL  in/s	MAX OPERATE FREQUENCY OPS/MIN
GL**02A*	SNAP - ACTION CONTACTS SINGLE POLE 		$\frac{9.7}{2.2}$	$\frac{11.4}{2.6}$	$\frac{.85}{33.5}$	$\frac{8.5}{.33}$	250

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Q'W	TOL	Q'W	TOL																									
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>1.1X</td><td>0.98/1.015</td></tr><tr><td>TWO PLACES</td><td>X X X</td><td>0.15/0.08</td><td>1.1X</td><td>1.13/1.095</td></tr><tr><td>THREE PLACES</td><td></td><td></td><td></td><td></td></tr><tr><td>ANGLES</td><td></td><td>± 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	1.1X	0.98/1.015	TWO PLACES	X X X	0.15/0.08	1.1X	1.13/1.095	THREE PLACES					ANGLES		± 2°		
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		TWO PLACES	X X X	0.15/0.08	1.1X	1.13/1.095																						
		THREE PLACES																										
ANGLES		± 2°																										
			<table><tr><td>SI METRIC</td><td>☒</td><td>US CUSTOMARY</td><td>☐</td></tr><tr><td>DESIGN UNITS</td><td></td><td></td><td></td></tr><tr><td>WEIGHT</td><td></td><td></td><td></td></tr></table>	SI METRIC	☒	US CUSTOMARY	☐	DESIGN UNITS				WEIGHT																
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 :

	IN	MM	IN	MM
NO PLACES	0.1	0.1	0.1	0.1
ONE PLACE	0.01	0.01	0.01	0.01
TWO PLACES	0.001	0.001	0.001	0.001
THREE PLACES	0.0001	0.0001	0.0001	0.0001
ANGLES	± 0.1	± 0.1	± 0.1	± 0.1

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FED. MFG. CODE 91929

MICRO SWITCH
a Honeywell Division

SWITCH, ENCLOSED

CATALOG LISTING
GL SERIES CHART 2

SI METRIC	US CUSTOMARY
☒	☐

DESIGN UNITS

REVISIONS		
A	CO	78529
B	CO	81184
C	CO	93188
D	CO	93188
E	CO	93188
F	CO	93188
G	CO	93188
H	CO	93188
I	CO	93188
J	CO	93188
K	CO	93188
L	CO	93188
M	CO	93188
N	CO	93188
O	CO	93188
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Q	CO	93188
R	CO	93188
S	CO	93188
T	CO	93188
U	CO	93188
V	CO	93188
W	CO	93188
X	CO	93188
Y	CO	93188
Z	CO	93188

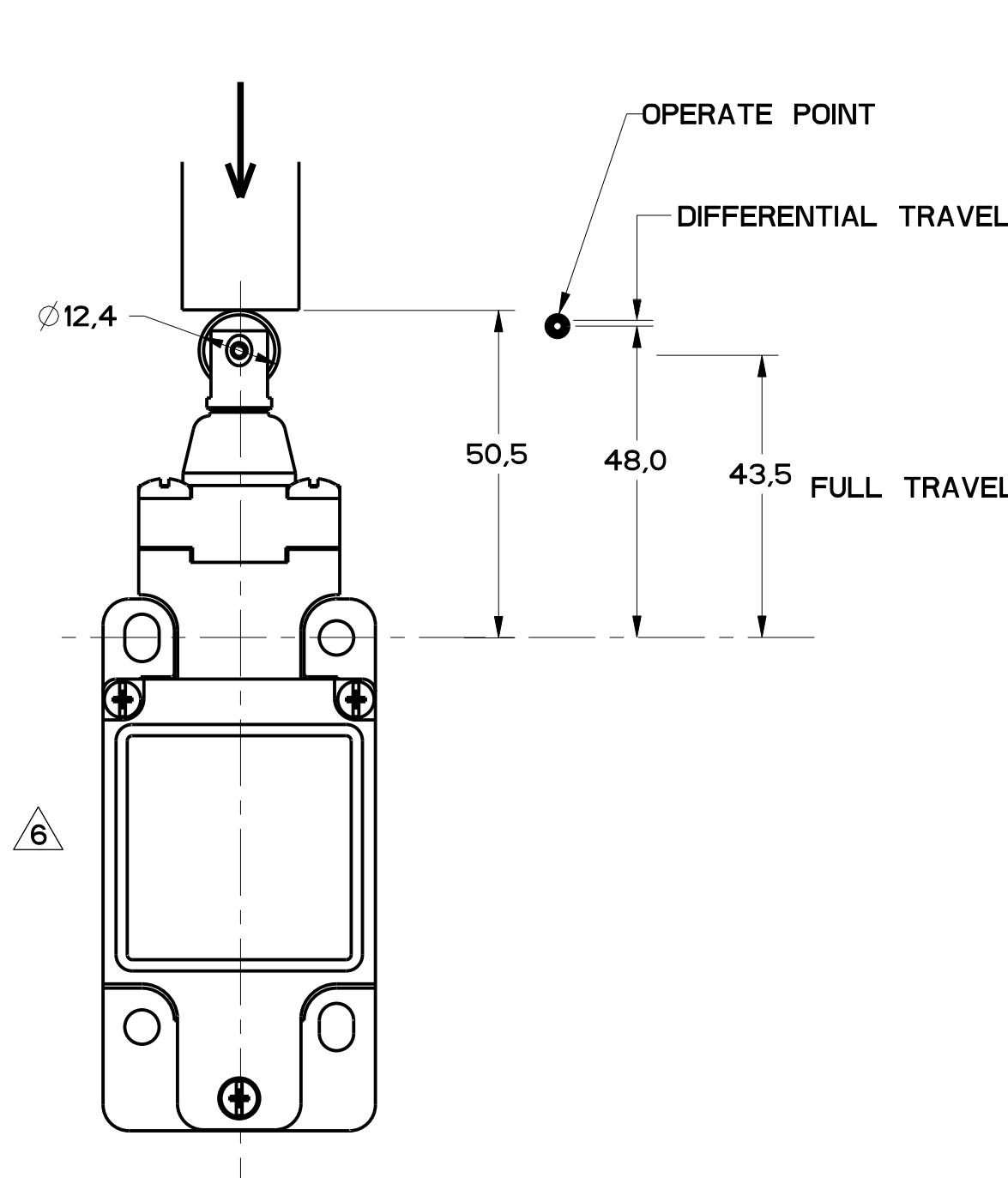


FIGURE 13A

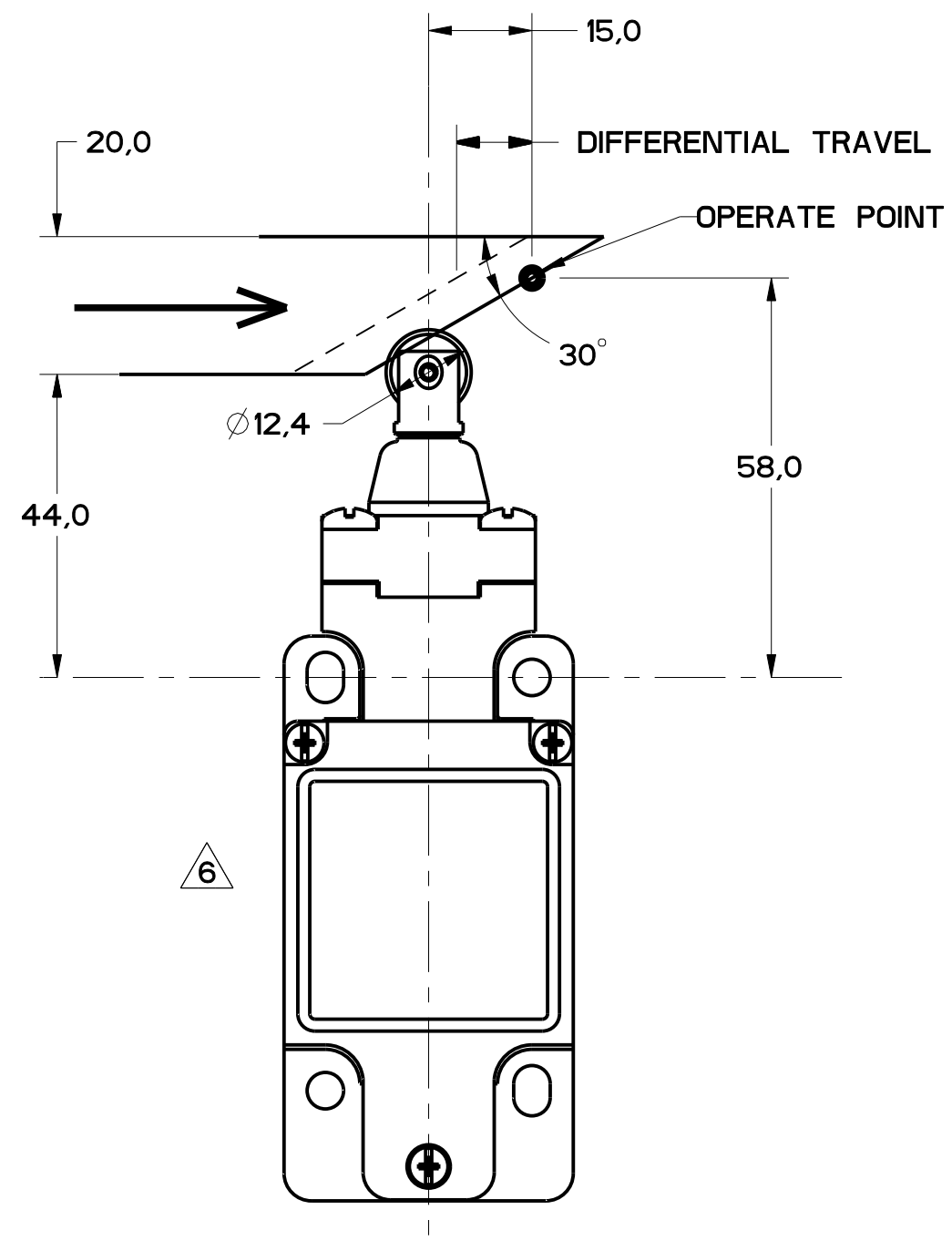


FIGURE 13B

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 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



FIGURE 14B

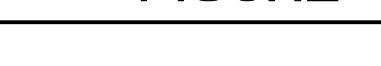
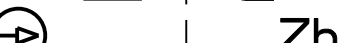
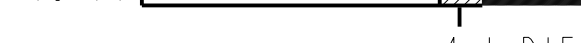
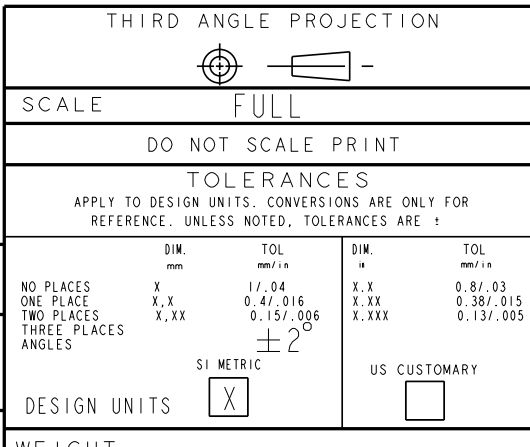
FIGURE 14B, TOP ROLLER LEVER HEAD WITH CAM ACTUATION							
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS ■ CONTACT CLOSED, □ CONTACT OPEN ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE  LB	MAXIMUM DISCONNECT FORCE  LB	MAX OPERATE VEL  in/S	MIN OPERATE VEL  in/S	MAX OPERATE FREQUENCY OPS/MIN
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE 		$\frac{5.5}{1.2}$	$\frac{7.0}{1.6}$	$\frac{0.29}{11.4}$	$\frac{2.9}{.11}$	250

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 LB	MAXIMUM DISCONNECT FORCE 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 	 0 21-22 20 29.1** 4.1 DIFFERENTIAL TRAVEL > <	$\frac{5.5}{1.2}$	$\frac{7.0}{1.6}$	$\frac{0.29}{11.4}$	$\frac{2.9}{.11}$	250



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FED. MFG. CODE #1929	CATALOG LISTING <table style="width: 100%; font-size: x-small;"> <tr> <td style="width: 33%;">NO. PLACES ON TWO PLACES</td> <td style="width: 33%;">X 1.04 X 1.18</td> <td style="width: 33%;">IN. MILLIMETERS</td> <td style="width: 33%;">X 1 X 1.008</td> <td style="width: 33%;">IN. MILLIMETERS</td> <td style="width: 33%;">X .875 X .875</td> </tr> <tr> <td>THREE PLACES AND FOUR PLACES</td> <td>X 1.57 X 1.71</td> <td></td> <td>X 1.125 X 1.25</td> <td></td> <td>X 1.125 X 1.25</td> </tr> </table>	NO. PLACES ON TWO PLACES	X 1.04 X 1.18	IN. MILLIMETERS	X 1 X 1.008	IN. MILLIMETERS	X .875 X .875	THREE PLACES AND FOUR PLACES	X 1.57 X 1.71		X 1.125 X 1.25		X 1.125 X 1.25
NO. PLACES ON TWO PLACES	X 1.04 X 1.18	IN. MILLIMETERS	X 1 X 1.008	IN. MILLIMETERS	X .875 X .875								
THREE PLACES AND FOUR PLACES	X 1.57 X 1.71		X 1.125 X 1.25		X 1.125 X 1.25								
MICROSWITCH[®] a Honeywell Division	SWITCH, ENCLOSED GL SERIES CHART 2 <table style="width: 100%; font-size: x-small;"> <tr> <td style="width: 33%;">DESIGN UNITS</td> <td style="width: 33%;">SI METRIC ☒</td> <td style="width: 33%;">US CUSTOMARY ☐</td> </tr> </table>	DESIGN UNITS	SI METRIC ☒	US CUSTOMARY ☐									
DESIGN UNITS	SI METRIC ☒	US CUSTOMARY ☐											

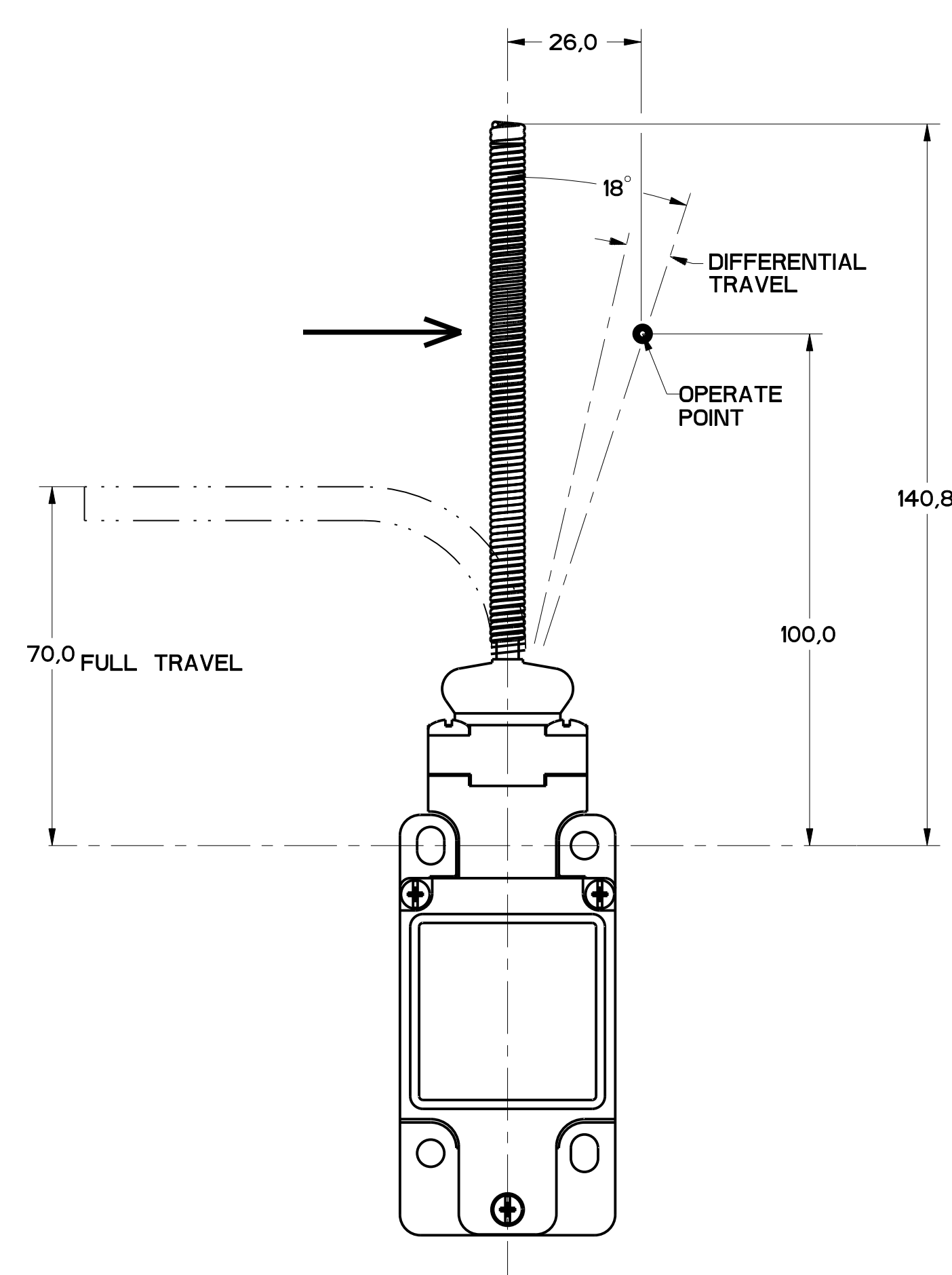


FIGURE 15

FIGURE 15, CAT WISKER HEAD, ANGULAR ACTUATION						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, DIFFERENTIAL TRAVEL	MAXIMUM OPERATING TORQUE LB-IN	MAXIMUM DISCONNECT TORQUE LB-IN	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S
GL**02K	SNAP - ACTION CONTACTS SINGLE POLE 	 21-22 13-14 18° 8° DIFFERENTIAL TRAVEL	0.1 .9	N/A	360	8

FIGURE 15, CAT WISKER HEAD, SIDE ACTUATION AT 100mm						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, DIFFERENTIAL TRAVEL	MAXIMUM OPERATING FORCE LB	MAXIMUM DISCONNECT FORCE LB	MAX OPERATE VEL IN/S	MIN OPERATE VEL IN/S
GL**02K	SNAP - ACTION CONTACTS SINGLE POLE 	 21-22 13-14 26 12 DIFFERENTIAL TRAVEL	1.3 .3	N/A	.5 19.7	.11 .43