

SIDE ROTARY

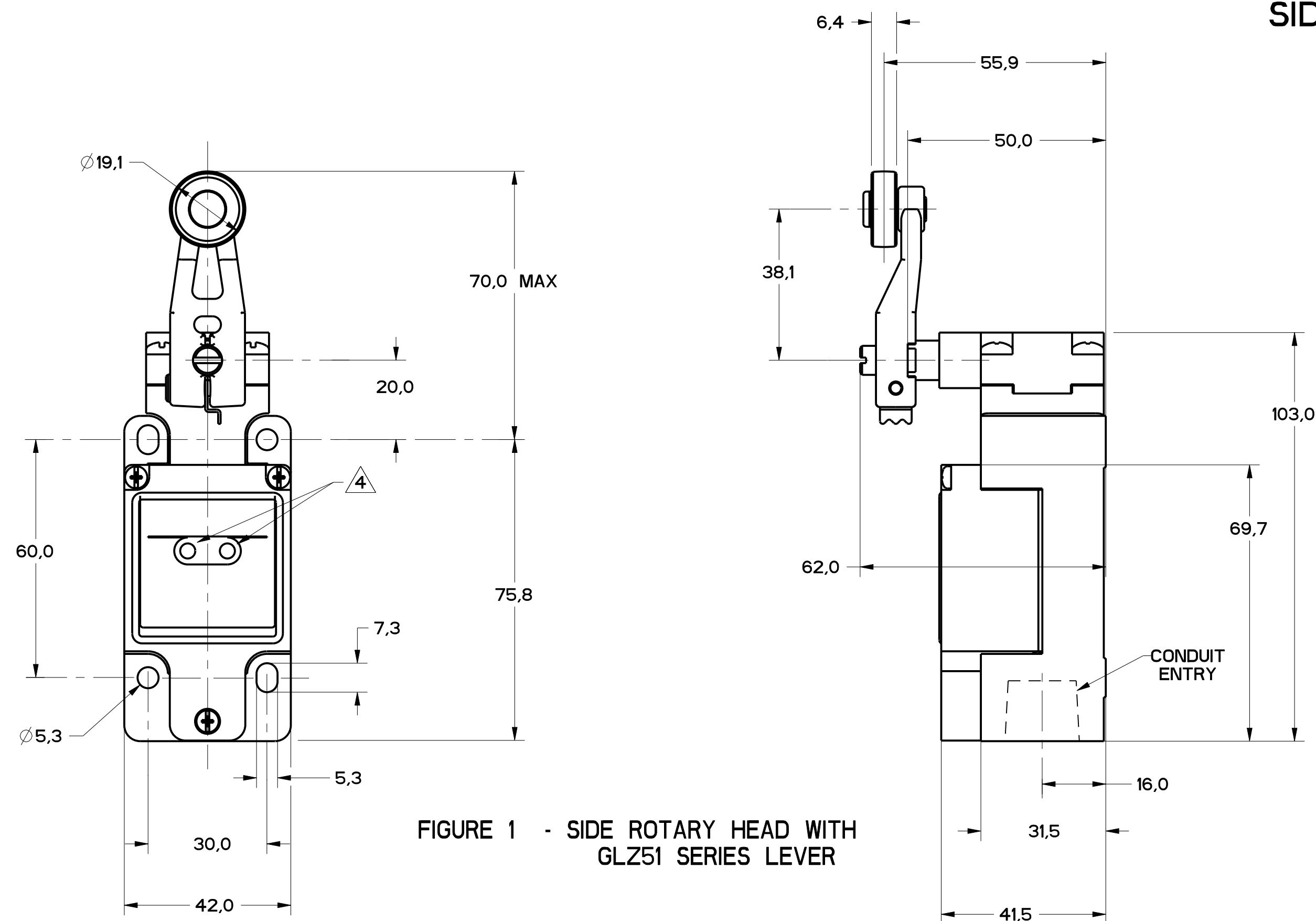


FIGURE 1 - SIDE ROTARY HEAD WITH GLZ51 SERIES LEVER

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

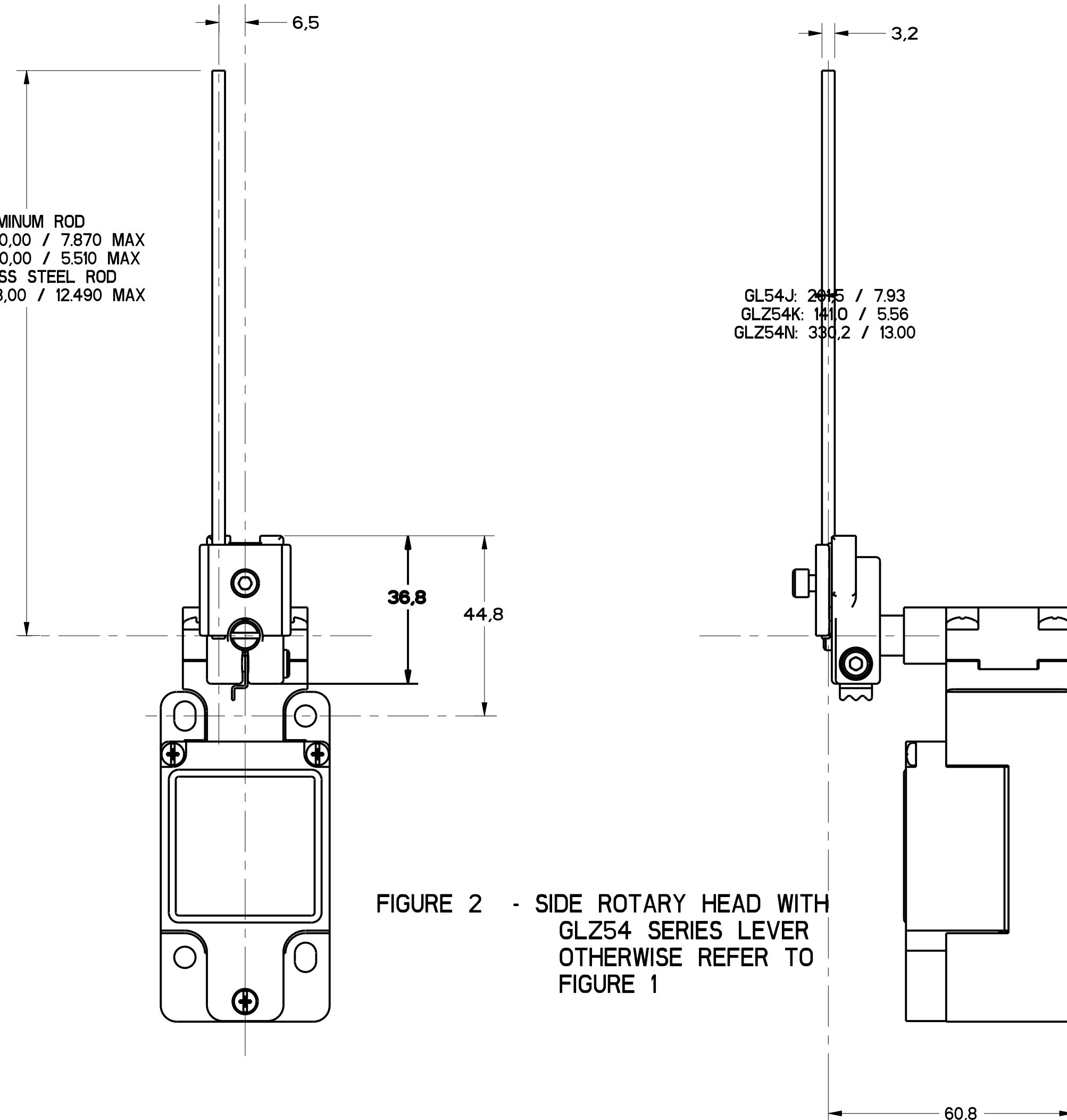


FIGURE 2 - SIDE ROTARY HEAD WITH GLZ54 SERIES LEVER OTHERWISE REFER TO FIGURE 1

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	
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

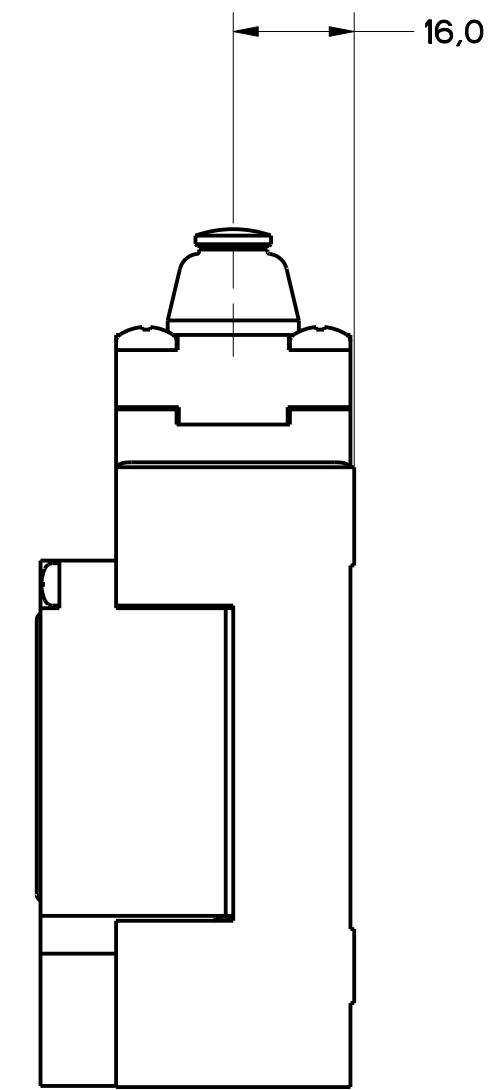
NOTES

- 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

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
GLA***	1A	N/A	N/A
GLB***	1B	N/A	N/A
GLC***	1C	N/A	N/A
GLD***	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

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

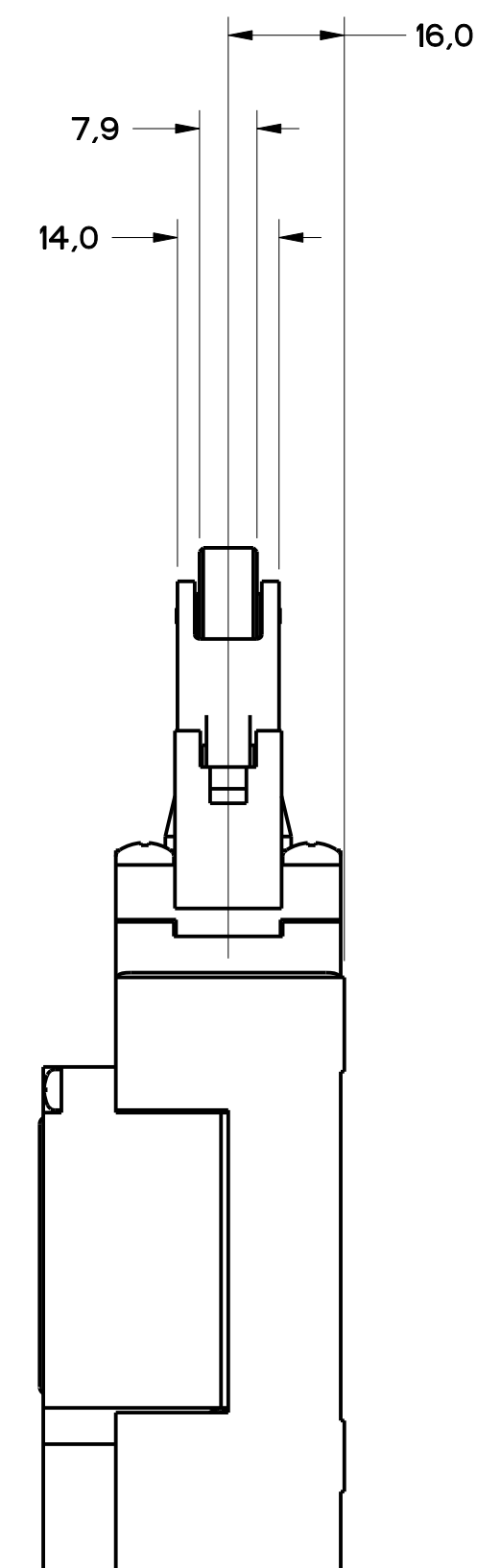


STEEL ROLLER

Ø 12,4

50,5

Technical drawing of a lamp head (Lampenkopf) showing dimensions. The drawing includes a side view and a top view. The side view shows a cylindrical base with a flange and a mounting bracket. The top view shows a circular base with a central mounting point. Dimensions are indicated: 4,7 for the height of the mounting bracket and 16,0 for the diameter of the base.



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>INCHES</td> <td>FRACTIONS</td> <td>INCHES</td> <td>FRACTIONS</td> </tr> <tr> <td>NO PLACES</td> <td>0</td> <td>1</td> <td>0.001/0.01</td> </tr> <tr> <td>ONE PLACE</td> <td>0.4/0.016</td> <td>2</td> <td>0.001/0.01</td> </tr> <tr> <td>TWO PLACES</td> <td>0.15/0.008</td> <td>3</td> <td>0.001/0.01</td> </tr> <tr> <td>THREE PLACES</td> <td></td> <td>4</td> <td>0.15/0.008</td> </tr> <tr> <td>ANGLES</td> <td>± 2</td> <td></td> <td></td> </tr> </table>		DIM	TOL	DIM	TOL	INCHES	FRACTIONS	INCHES	FRACTIONS	NO PLACES	0	1	0.001/0.01	ONE PLACE	0.4/0.016	2	0.001/0.01	TWO PLACES	0.15/0.008	3	0.001/0.01	THREE PLACES		4	0.15/0.008	ANGLES	± 2		
DIM	TOL	DIM	TOL																												
INCHES	FRACTIONS	INCHES	FRACTIONS																												
NO PLACES	0	1	0.001/0.01																												
ONE PLACE	0.4/0.016	2	0.001/0.01																												
TWO PLACES	0.15/0.008	3	0.001/0.01																												
THREE PLACES		4	0.15/0.008																												
ANGLES	± 2																														
FED. MFG. CODE 91929	CATALOG LISTING																														
MICRO SWITCH a Honeywell Division	SWITCH, ENCLOSED		GL SERIES CHART 2																												
			DESIGN UNITS ☒ SI METRIC ☐ US CUSTOMARY ☐																												
			WEIGHT																												

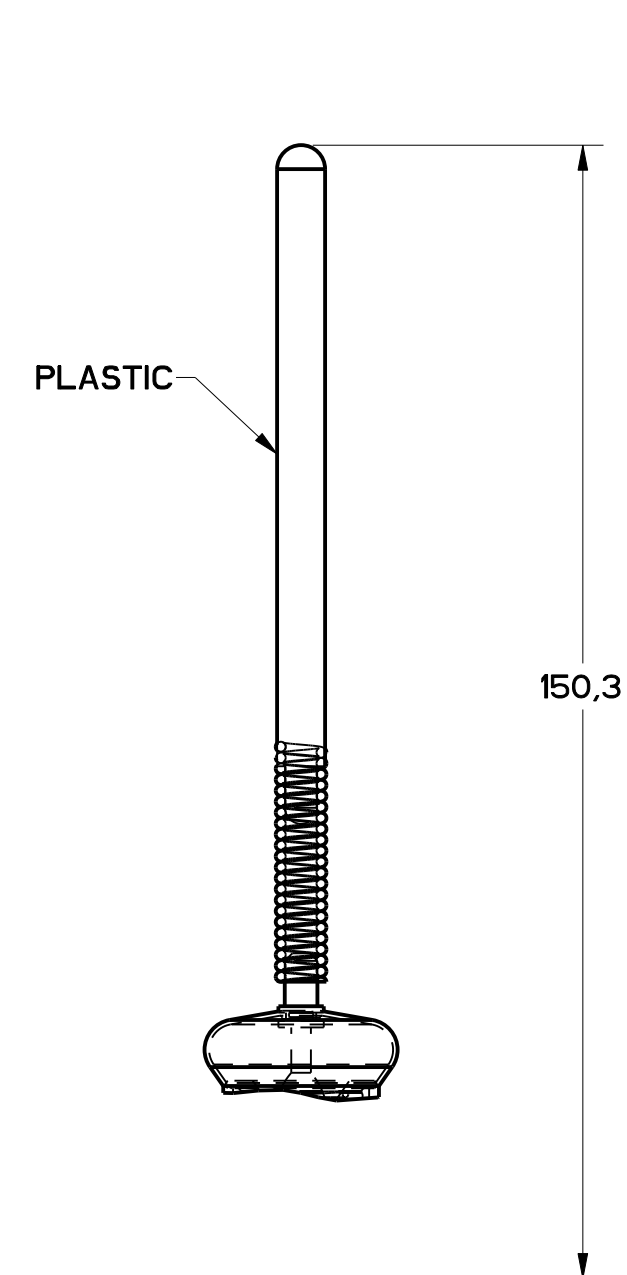
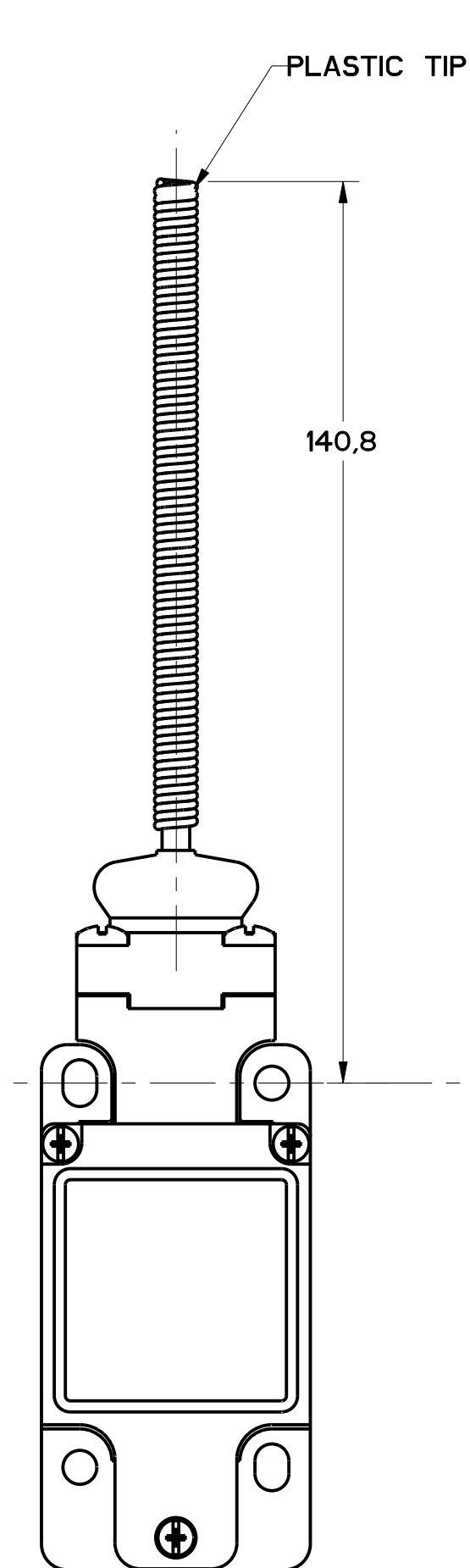


FIGURE 7A -
WOBBLE HEAD,
PLASTIC ACTUATOR,
OTHERWISE SAME AS FIGURE 7

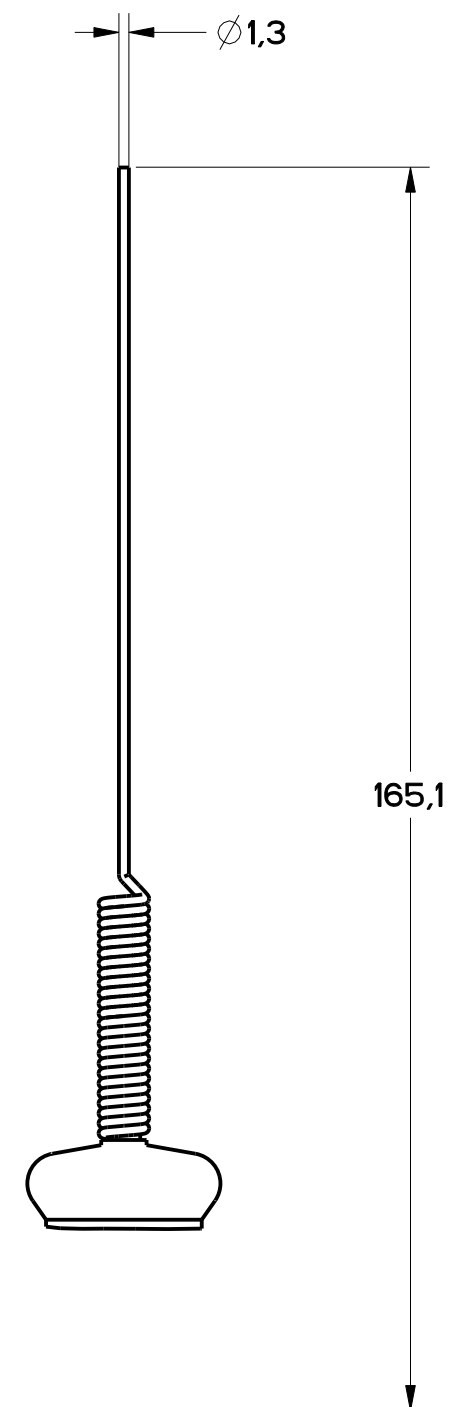


FIGURE 7B -
WOBBLE HEAD
STAINLESS STEEL SPRING
ACTUATOR, OTHERWISE
SAME AS FIGURE 7

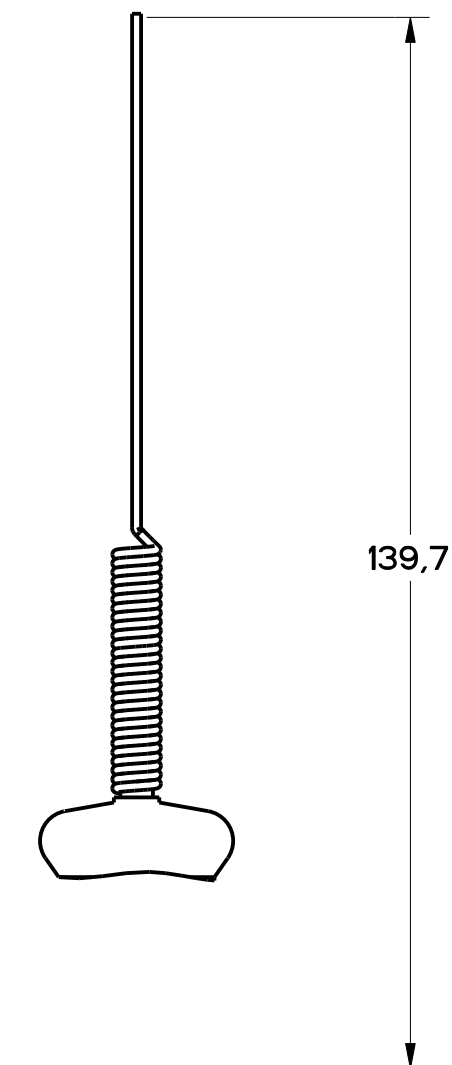


FIGURE 7C -
CAT WHISKER
ACTUATOR STAINLESS
STEEL SPRING
OTHERWISE SAME AS
FIGURE 7

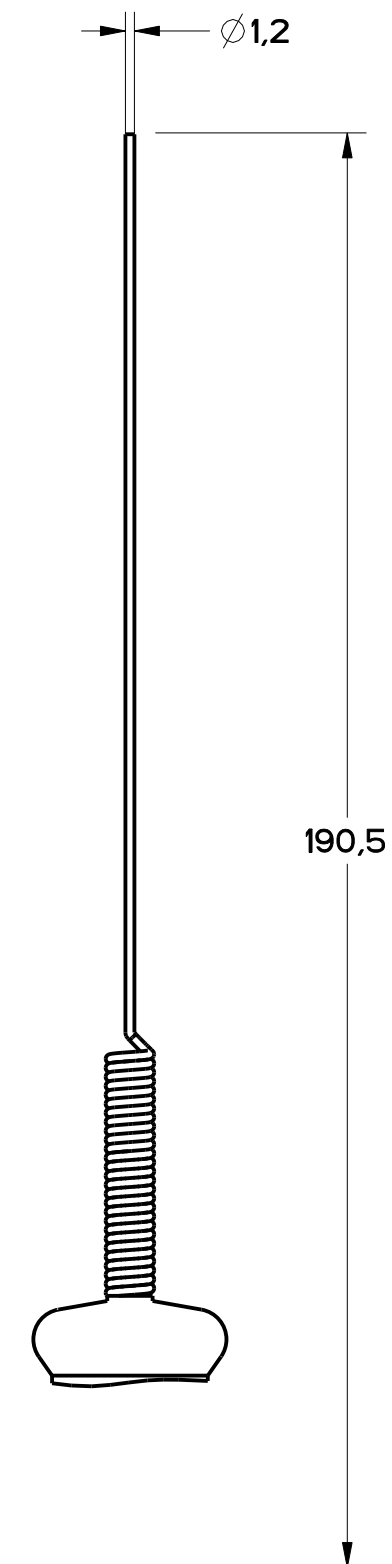


FIGURE 7D -
CAT WHISKER
ACTUATOR, STAINLESS
STEEL SPRING,
OTHERWISE SAME
AS FIGURE 7

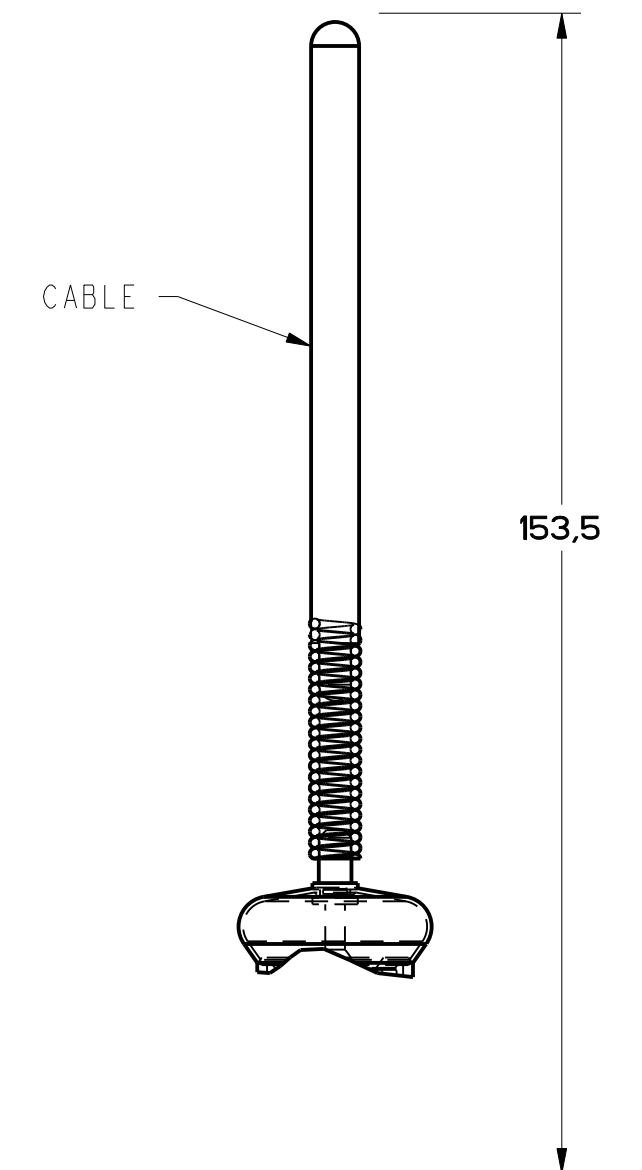


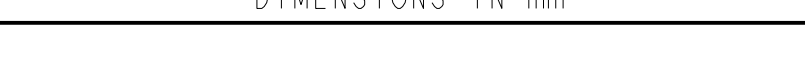
FIGURE 7E -
CABLE WOBBLE
ACTUATOR
OTHERWISE SAME
AS FIGURE 7

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:			
NO PLACES	INCH	TOL.	INCH
ONE PLACE	INCH	±.04	±.04
TWO PLACES	INCH	±.01	±.01
THREE PLACES	INCH	±.005	±.005
ANGLES	DEGREES	±2°	±2°
DESIGN UNITS		SI METRIC	US CUSTOMARY
		☒	☐
WEIGHT			

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.		CATALOG LISTING	
FED. MFG. CODE 91929		SWITCH, ENCLOSED	
MICRO SWITCH a Honeywell Division		GL SERIES CHART 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 		$\frac{9.7}{2.2}$	$\frac{11.4}{2.6}$	$\frac{.85}{33.5}$	$\frac{8.5}{.33}$	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>DIM</td><td>TOL</td><td>DIM</td><td>TOL</td></tr><tr><td>mm</td><td>mm (.01")</td><td>mm</td><td>mm (.01")</td></tr></table>		DIM	TOL	DIM	TOL	mm	mm (.01")	mm	mm (.01")																				
DIM	TOL	DIM	TOL																														
mm	mm (.01")	mm	mm (.01")																														
FED. MFG. CODE 91929		CATALOG LISTING																															
 MICRO SWITCH a Honeywell Division		SWITCH, ENCLOSED		GL SERIES CHART 2																													
		<table><tr><th>NO PLACES</th><th>X</th><th>1/2" (24)</th><th>1.4</th><th>0.85 (.015)</th></tr><tr><th>ONE PLACE</th><th>X X</th><th>0.47 (.016)</th><th>1.1X</th><th>0.50 (.015)</th></tr><tr><th>TWO PLACES</th><th>X X X</th><th>0.15 (.006)</th><th>1.1X</th><th>0.15 (.006)</th></tr><tr><th>THREE PLACES</th><th></th><th></th><th></th><th></th></tr><tr><th>ANGLES</th><th></th><th>±</th><th></th><th></th></tr></table>		NO PLACES	X	1/2" (24)	1.4	0.85 (.015)	ONE PLACE	X X	0.47 (.016)	1.1X	0.50 (.015)	TWO PLACES	X X X	0.15 (.006)	1.1X	0.15 (.006)	THREE PLACES					ANGLES		±			<table><tr><th>SI METRIC</th><th>US CUSTOMARY</th></tr><tr><td>☒</td><td>☐</td></tr></table>	SI METRIC	US CUSTOMARY	☒	☐
NO PLACES	X	1/2" (24)	1.4	0.85 (.015)																													
ONE PLACE	X X	0.47 (.016)	1.1X	0.50 (.015)																													
TWO PLACES	X X X	0.15 (.006)	1.1X	0.15 (.006)																													
THREE PLACES																																	
ANGLES		±																															
SI METRIC	US CUSTOMARY																																
☒	☐																																
		DESIGN UNITS		WEIGHT																													



26,0

18°

DIFFERENTIAL TRAVEL

OPERATE POINT

140,8

100,0

70,0 FULL TRAVEL

FIGURE 12

FIGURES 11, PIN PLUNGER HEAD, LINEAR 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 mm/s in/s	MAX OPERATE FREQUENCY OPS/MIN
GL**02B	SNAP - ACTION CONTACTS SINGLE POLE 	 37.5 35 33** 30.5 21-22 13-14 13-14 13-14 > < 0.9 DIFFERENTIAL TRAVEL	$\frac{16}{3.6}$	$\frac{27}{6.0}$	$\frac{0.1}{3.9}$	$\frac{1.0}{.04}$	250

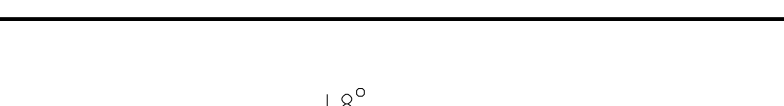
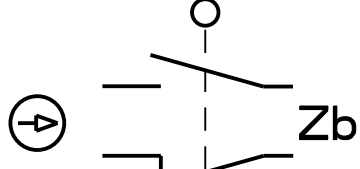
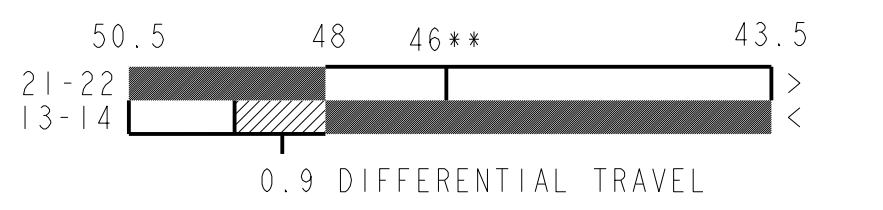
FIGURE 12, WOBBLE HEAD, ANGULAR ACTUATION								
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED,  CONTACT OPEN  - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING TORQUE $\frac{\text{N}\cdot\text{m}}{\text{LB}\cdot\text{in}}$	MAXIMUM DISCONNECT TORQUE $\frac{\text{N}\cdot\text{m}}{\text{LB}\cdot\text{in}}$	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S	MAX OPERATE RATE CYCLES/MIN	
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 	 18° 21-22 13-14 8° DIFFERENTIAL TRAVEL	$\frac{0.2}{1.8}$	N/A	360	8	100	

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

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> <th>DIM</th> <th>TOL</th> <th>DIM</th> <th>TOL</th> </tr> <tr> <td>mm</td> <td>(mil)</td> <td>mm</td> <td>(mil)</td> </tr> <tr> <td>NO PLACES</td> <td>± 1</td> <td>1.754</td> <td>± 0.0010</td> </tr> <tr> <td>TWO PLACES</td> <td>± 0.40</td> <td>0.0016</td> <td>± 0.0003</td> </tr> <tr> <td>THREE PLACES</td> <td>± 0.15</td> <td>0.006</td> <td>± 0.0005</td> </tr> <tr> <td>ANGLES</td> <td colspan="3">± 2</td> </tr> </table>		DIM	TOL	DIM	TOL	mm	(mil)	mm	(mil)	NO PLACES	± 1	1.754	± 0.0010	TWO PLACES	± 0.40	0.0016	± 0.0003	THREE PLACES	± 0.15	0.006	± 0.0005	ANGLES	± 2		
DIM	TOL	DIM	TOL																								
mm	(mil)	mm	(mil)																								
NO PLACES	± 1	1.754	± 0.0010																								
TWO PLACES	± 0.40	0.0016	± 0.0003																								
THREE PLACES	± 0.15	0.006	± 0.0005																								
ANGLES	± 2																										
FED. MFG. CODE 91929	CATALOG LISTING	<table border="1"> <tr> <td>SI METRIC</td> <td>US CUSTOMARY</td> </tr> <tr> <td>☒</td> <td>☐</td> </tr> </table>		SI METRIC	US CUSTOMARY	☒	☐																				
SI METRIC	US CUSTOMARY																										
☒	☐																										
MICRO SWITCH a Honeywell Division	SWITCH, ENCLOSED	GL SERIES CHART 2																									
DESIGN UNITS		<table border="1"> <tr> <td>mm</td> <td>(mil)</td> </tr> <tr> <td>mm</td> <td>(mil)</td> </tr> </table>		mm	(mil)	mm	(mil)																				
mm	(mil)																										
mm	(mil)																										

REVISIONS		
A	CO	78529
B	CS	81101
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
P	CO	93188
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, 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

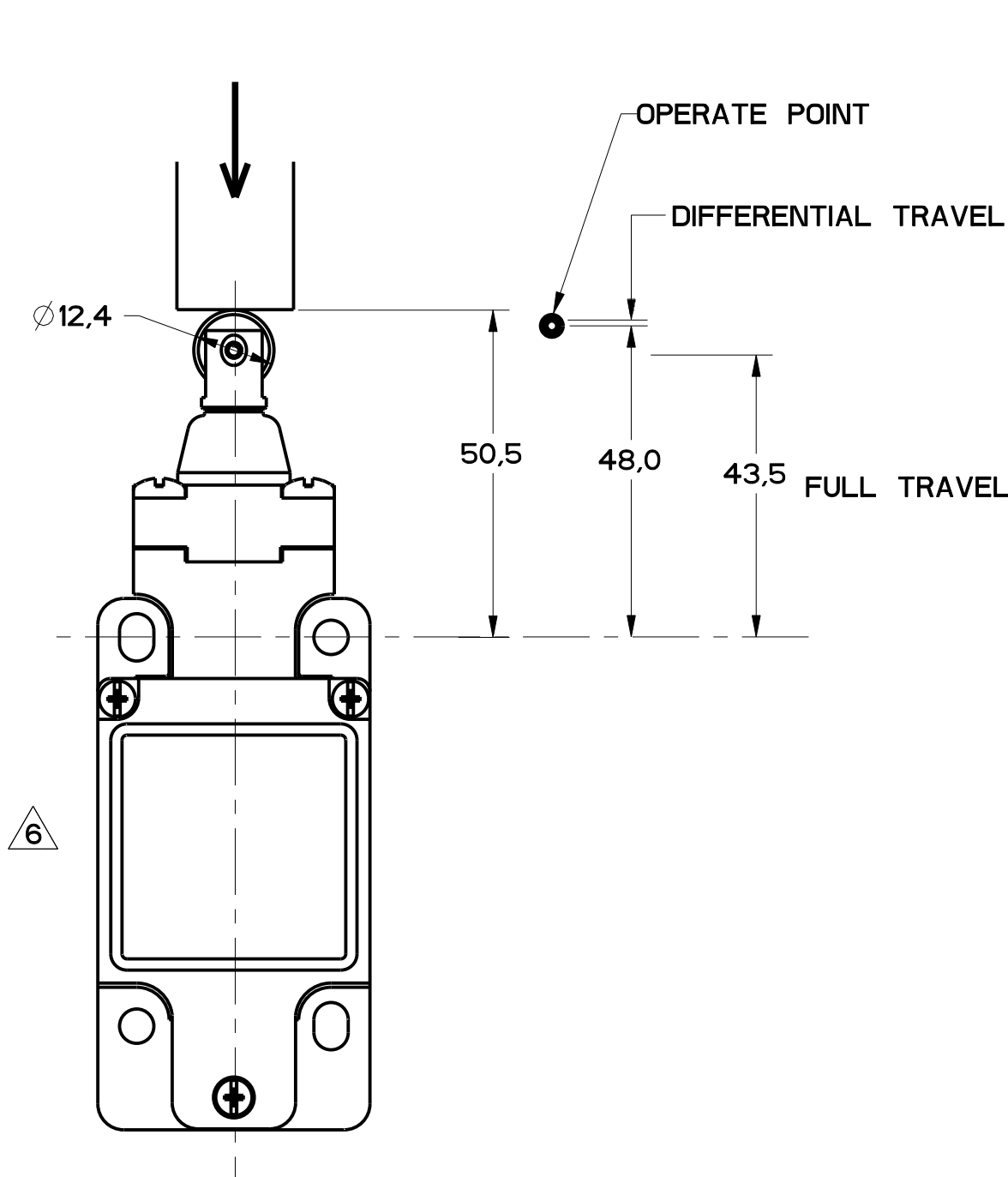


FIGURE 13A

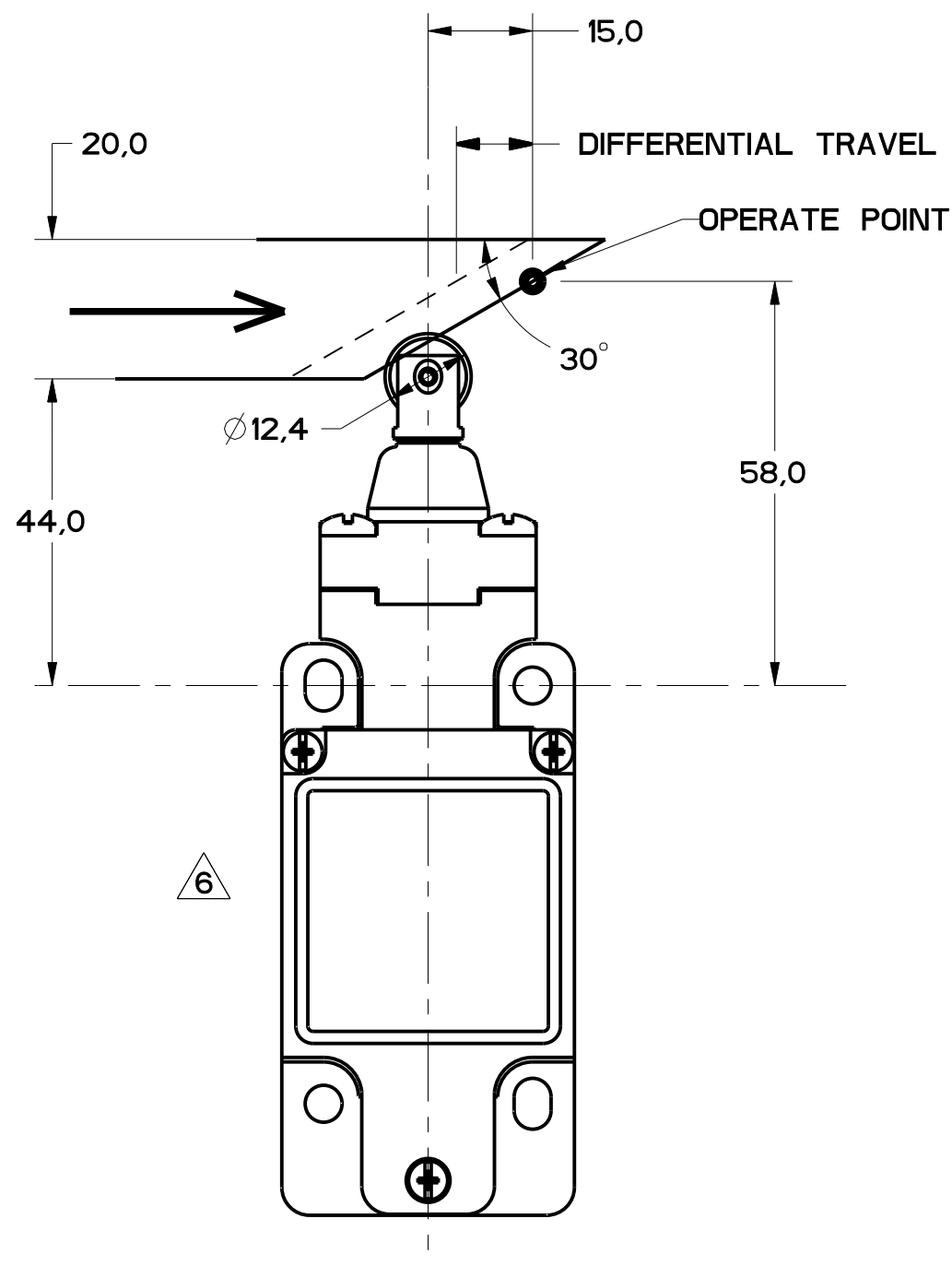
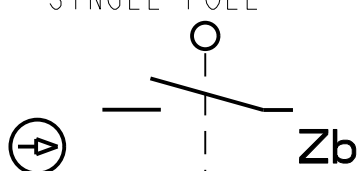
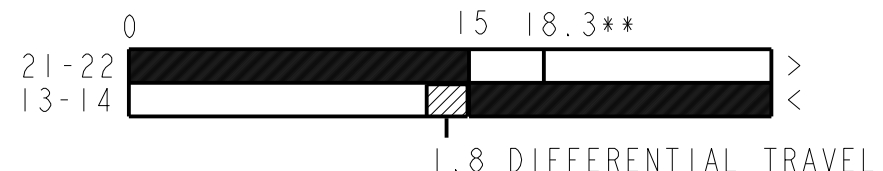
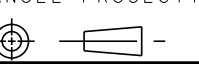


FIGURE 13B

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:			
NO PLACES	1/16	1/32	1/64
ONE PLACE	1/16	1/32	1/64
TWO PLACES	1/16	1/32	1/64
THREE PLACES	1/16	1/32	1/64
ANGLES	1/16	1/32	1/64
DESIGN UNITS	SI METRIC	US CUSTOMARY	
WEIGHT			

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

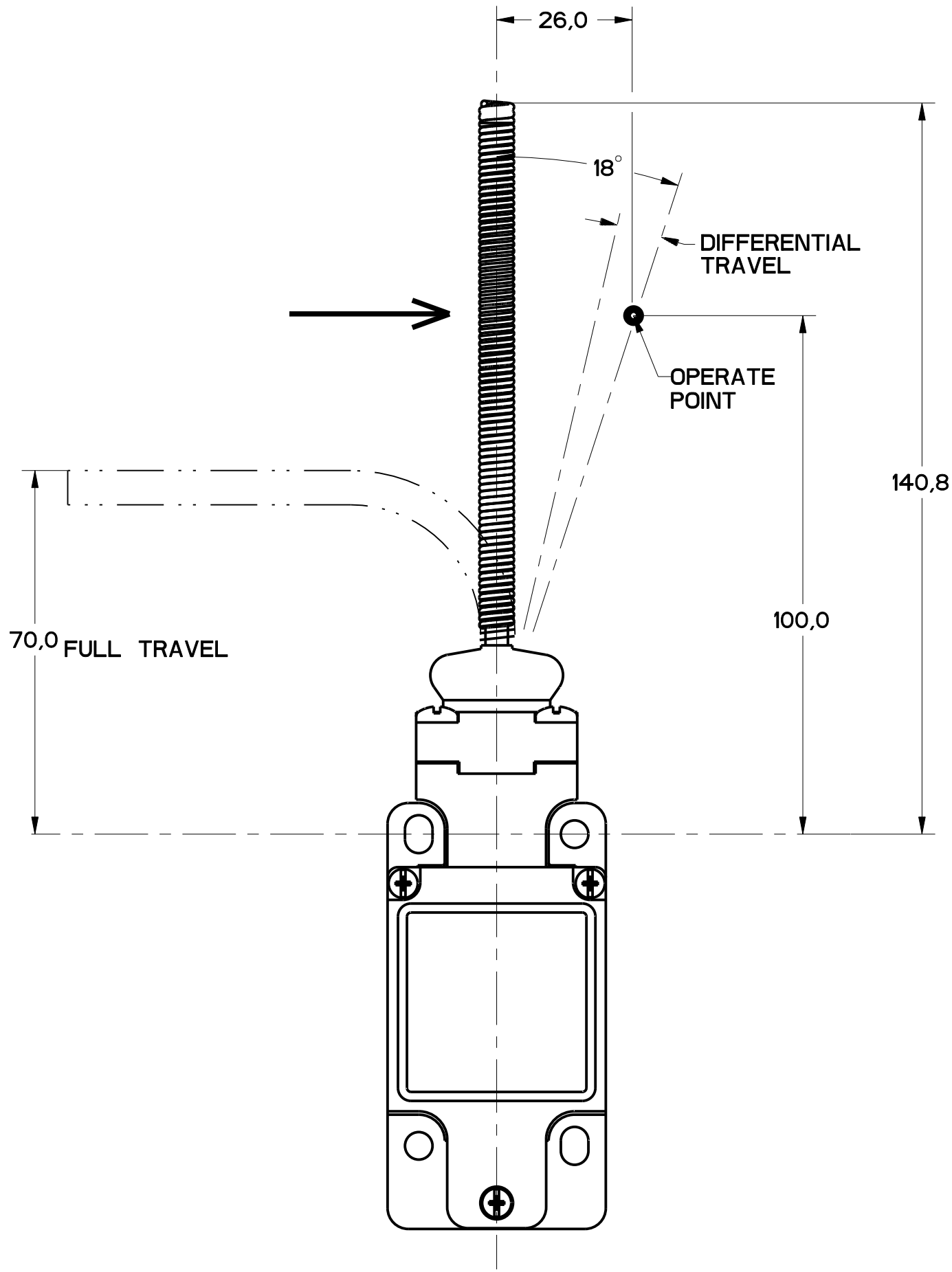


FIGURE 15

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

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А