

## SIDE ROTARY

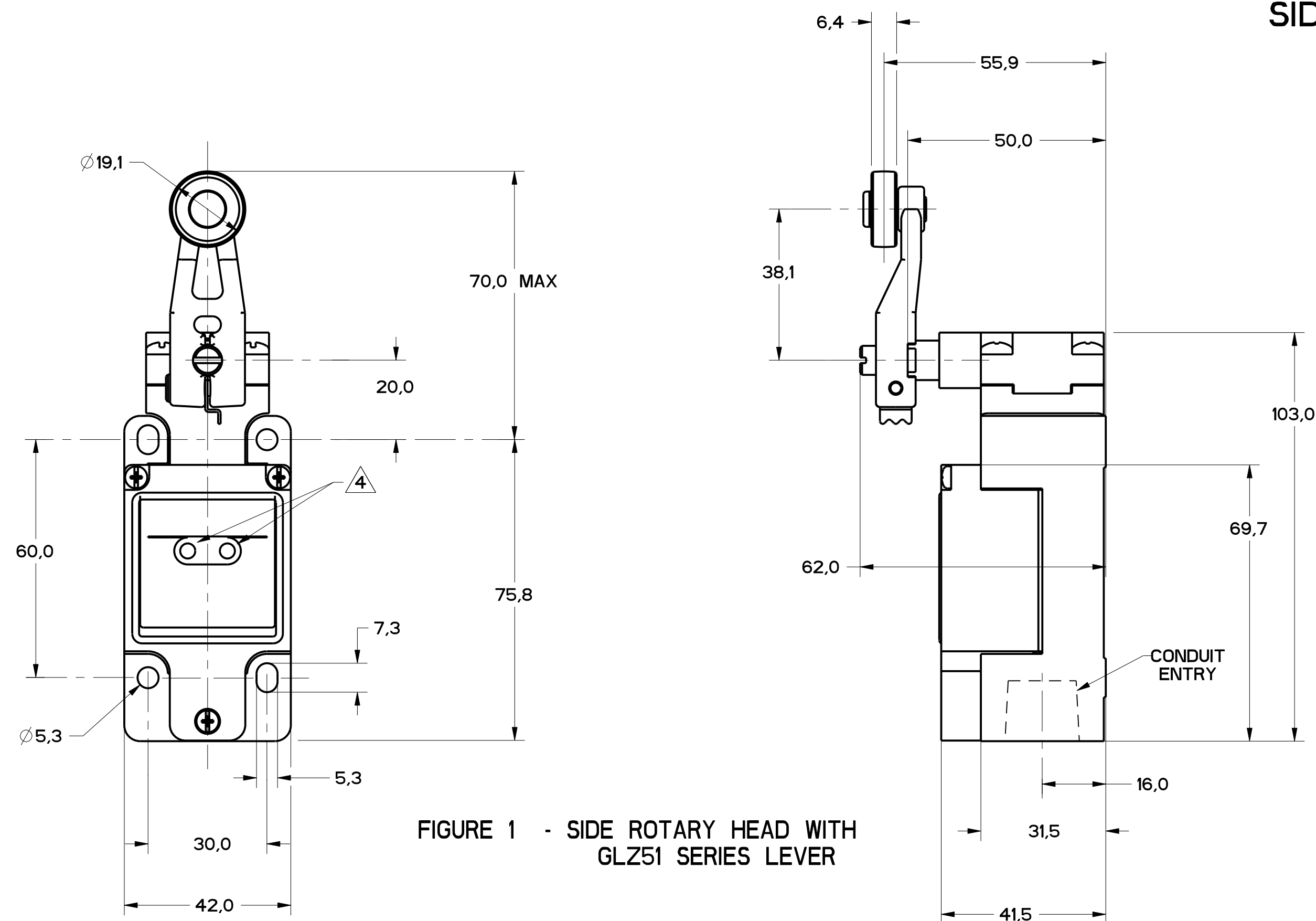


FIGURE 1 - SIDE ROTARY HEAD WITH GLZ51 SERIES LEVER

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

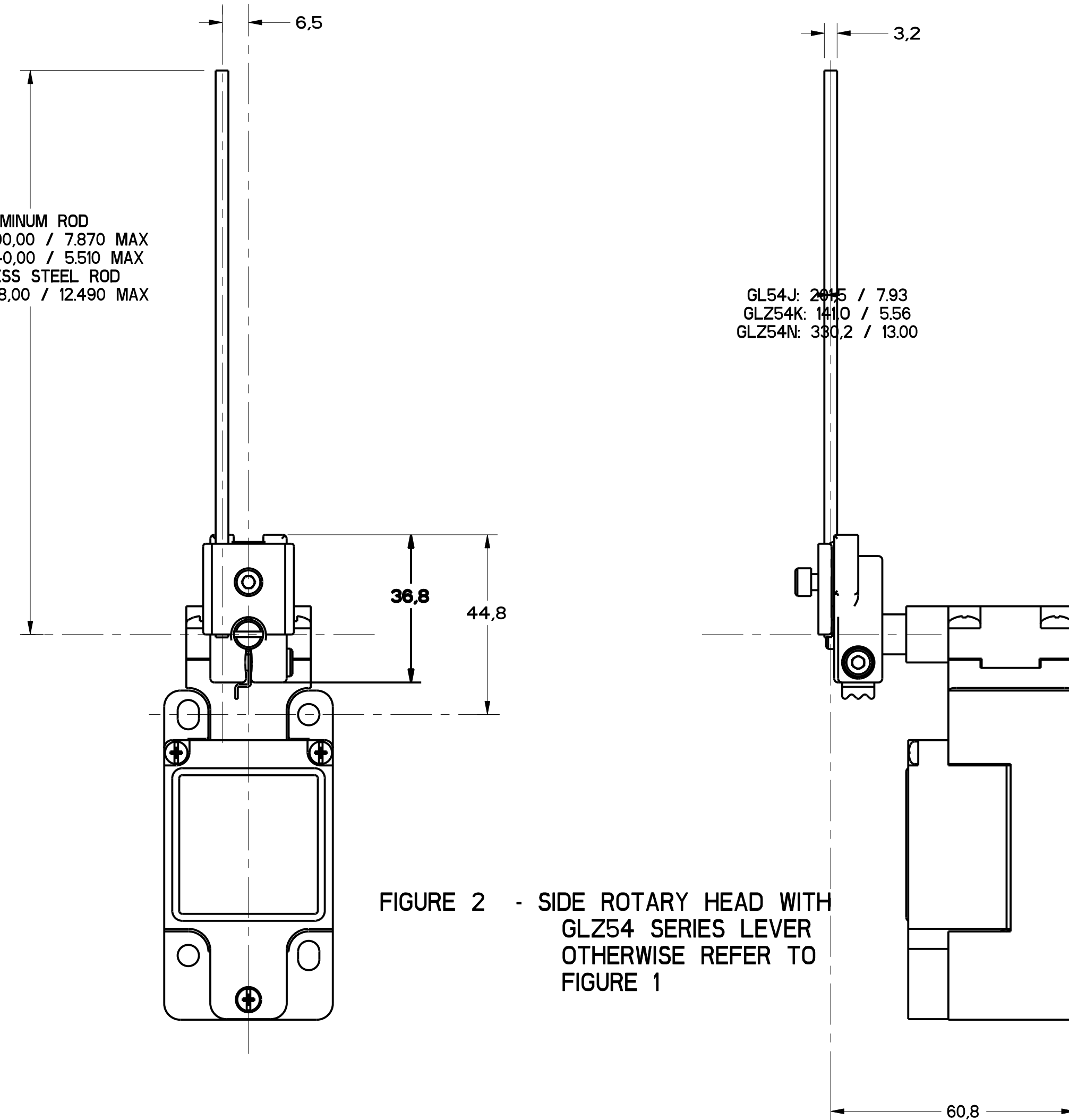


FIGURE 2 - SIDE ROTARY HEAD WITH GLZ54 SERIES LEVER OTHERWISE REFER TO FIGURE 1

| 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<br>Ue                   | AC15<br>Ie | Q300<br>Ue | DC13<br>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

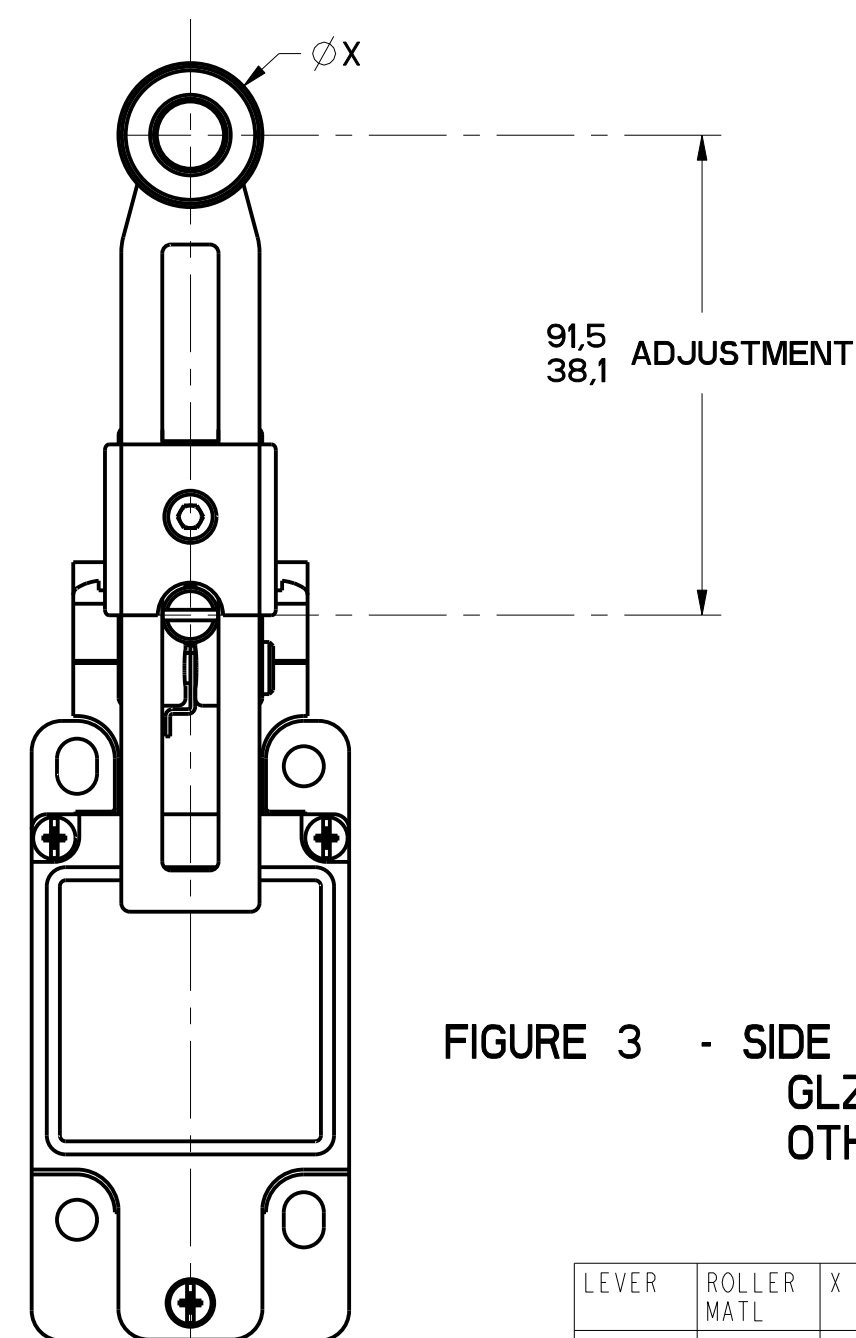


FIGURE 3 - SIDE ROTARY HEAD WITH GLZ52 SERIES LEVERS OTHERWISE REFER TO FIGURE 1

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

|                                                                                                                                                                                     |  |                   |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|
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| FED. MFG. CODE 91929                                                                                                                                                                |  | SWITCH, ENCLOSED  |  |
| MICRO SWITCH<br>a Honeywell Division                                                                                                                                                |  | 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 |
| SI METRIC                                                                                |      | US CUSTOMARY |      |
| DESIGN UNITS                                                                             |      | WEIGHT       |      |



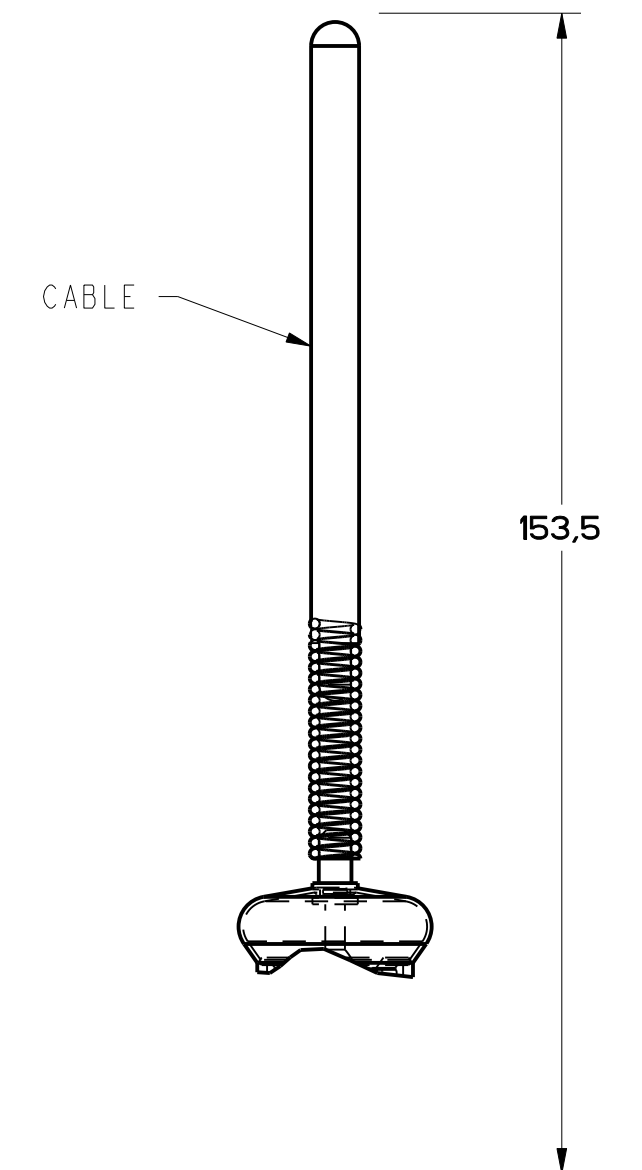
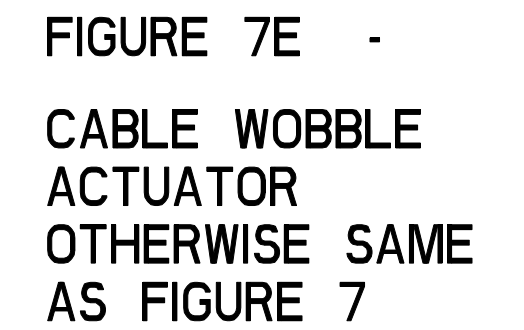
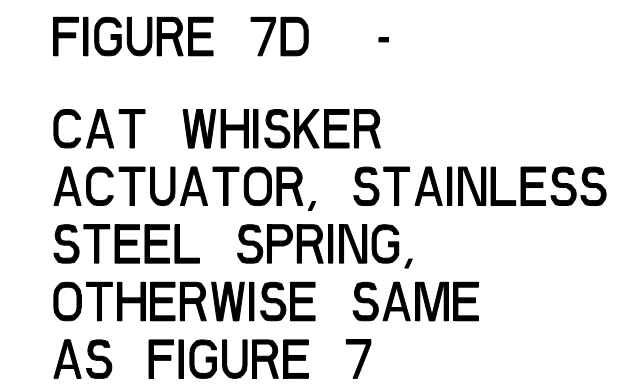
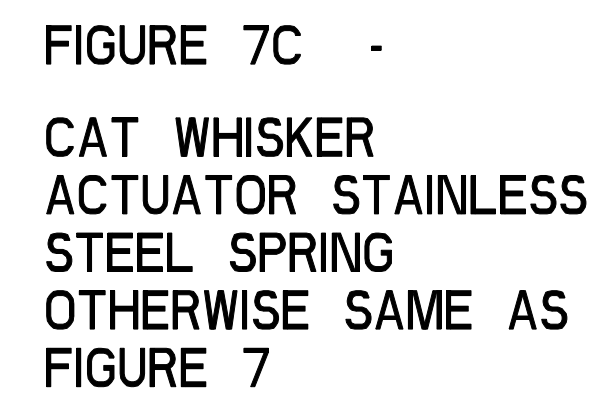
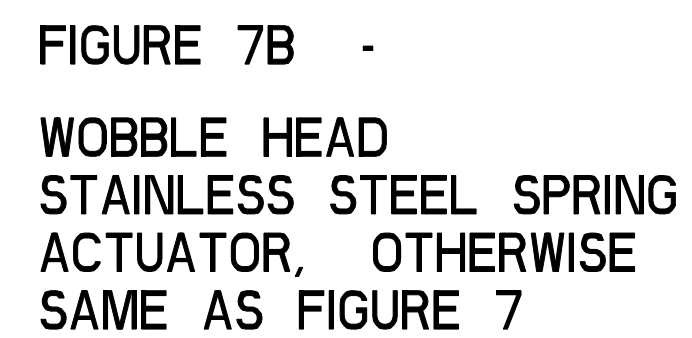
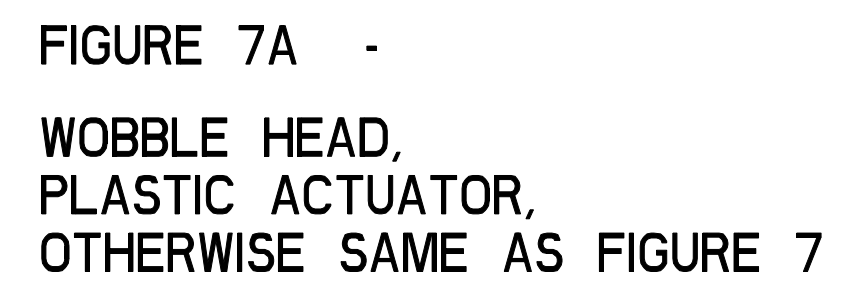
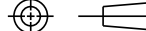


FIGURE 7 - WOBBLE HEAD, AND CAT WHISKER HEAD  
COIL ACTUATOR,  
OTHERWISE REFER TO  
FIGURE 1

|                                                                                                                                                                                     |                  |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|
| 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. |                  |                   |
| FED. MFG. CODE 91929                                                                                                                                                                | SWITCH, ENCLOSED | CATALOG LISTING   |
| <b>MICRO SWITCH</b><br>a Honeywell Division                                                                                                                                         |                  | HL SERIES CHART 2 |

|                                                                                              |            |                                       |                       |
|----------------------------------------------------------------------------------------------|------------|---------------------------------------|-----------------------|
| THIRD ANGLE PROJECTION                                                                       |            |                                       |                       |
|         |            |                                       |                       |
| SCALE <span style="font-size: 1.5em; font-weight: bold;">FULL</span>                         |            |                                       |                       |
| DO NOT SCALE PRINT                                                                           |            |                                       |                       |
| TOLERANCES                                                                                   |            |                                       |                       |
| APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR<br>REFERENCE. UNLESS NOTED, TOLERANCES ARE : |            |                                       |                       |
|                                                                                              | DIM.<br>mm | TOL.<br>mm (in)                       |                       |
| NO PLACES<br>ONE PLACE                                                                       | X X        | 1 / 64<br>0.4 / 0.016                 | X X<br>0.8 / 0.3      |
| TWO PLACES                                                                                   | X.X        | 0.15 / 0.006                          | X.XX<br>0.38 / 0.015  |
| THREE PLACES                                                                                 |            |                                       | X.XXX<br>0.12 / 0.005 |
| ± $\frac{1}{16}$ "<br>SI METRIC                                                              |            |                                       |                       |
| DESIGN UNITS <input checked="" type="checkbox"/>                                             |            | US CUSTOMARY <input type="checkbox"/> |                       |

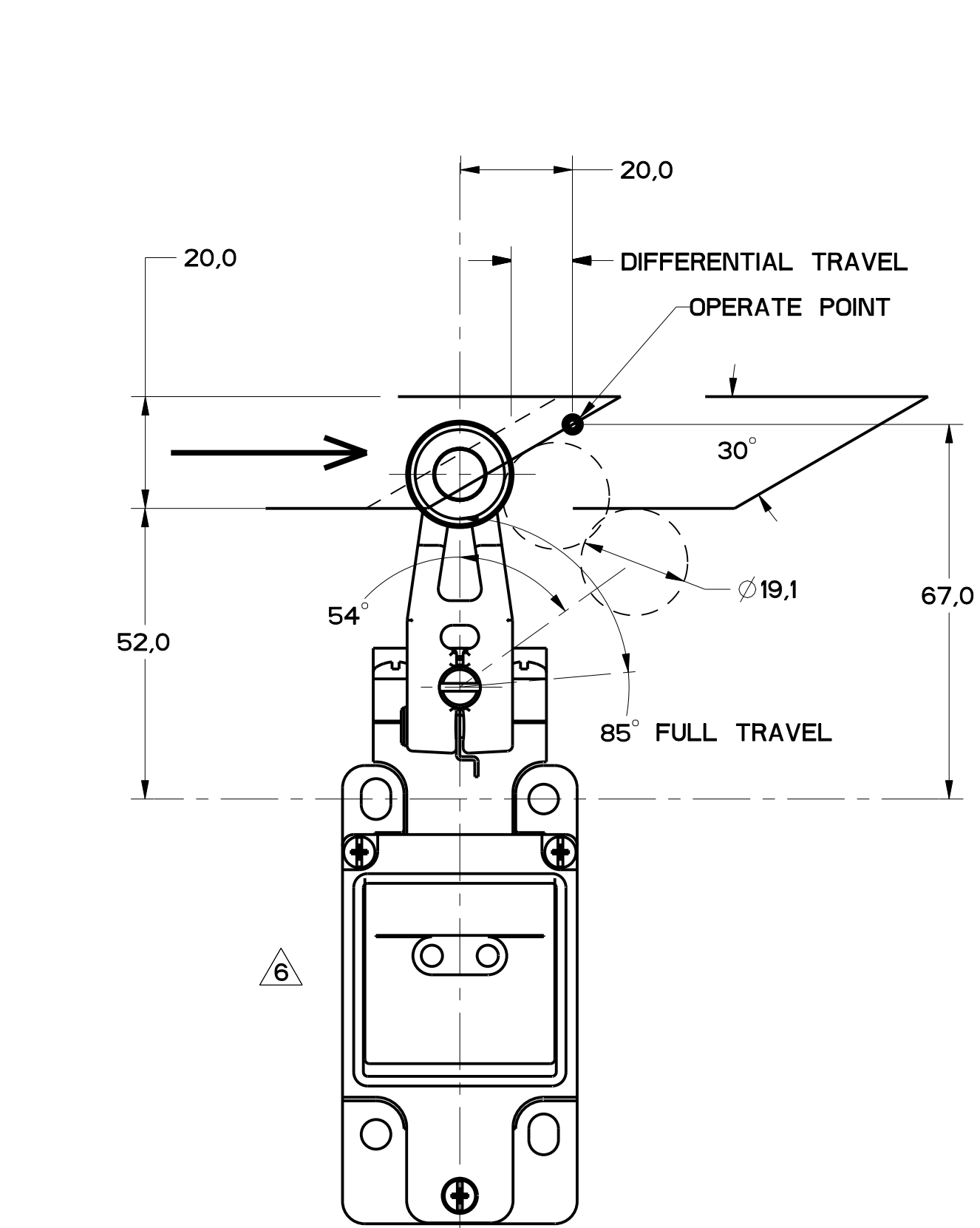


FIGURE 8

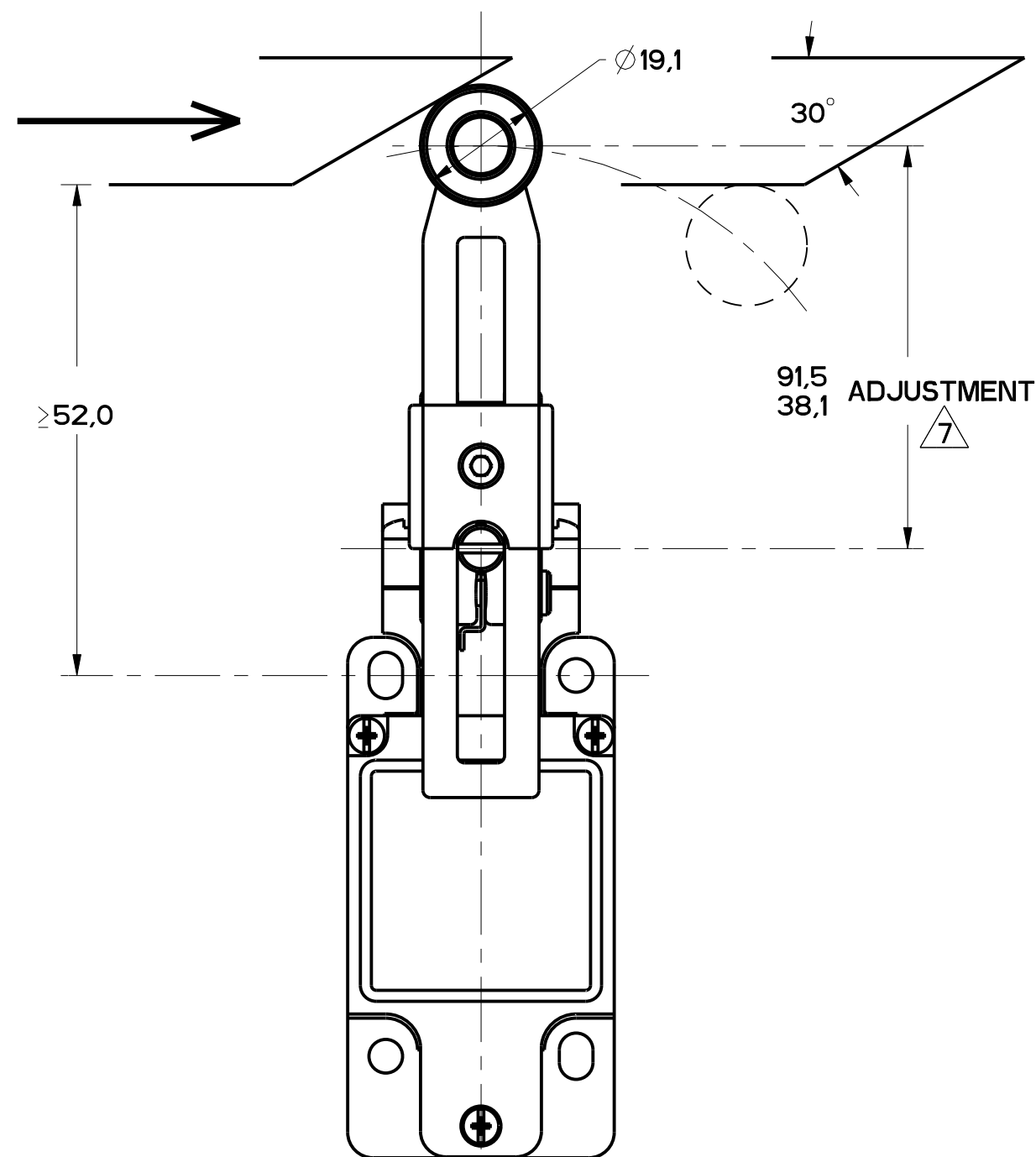


FIGURE 9

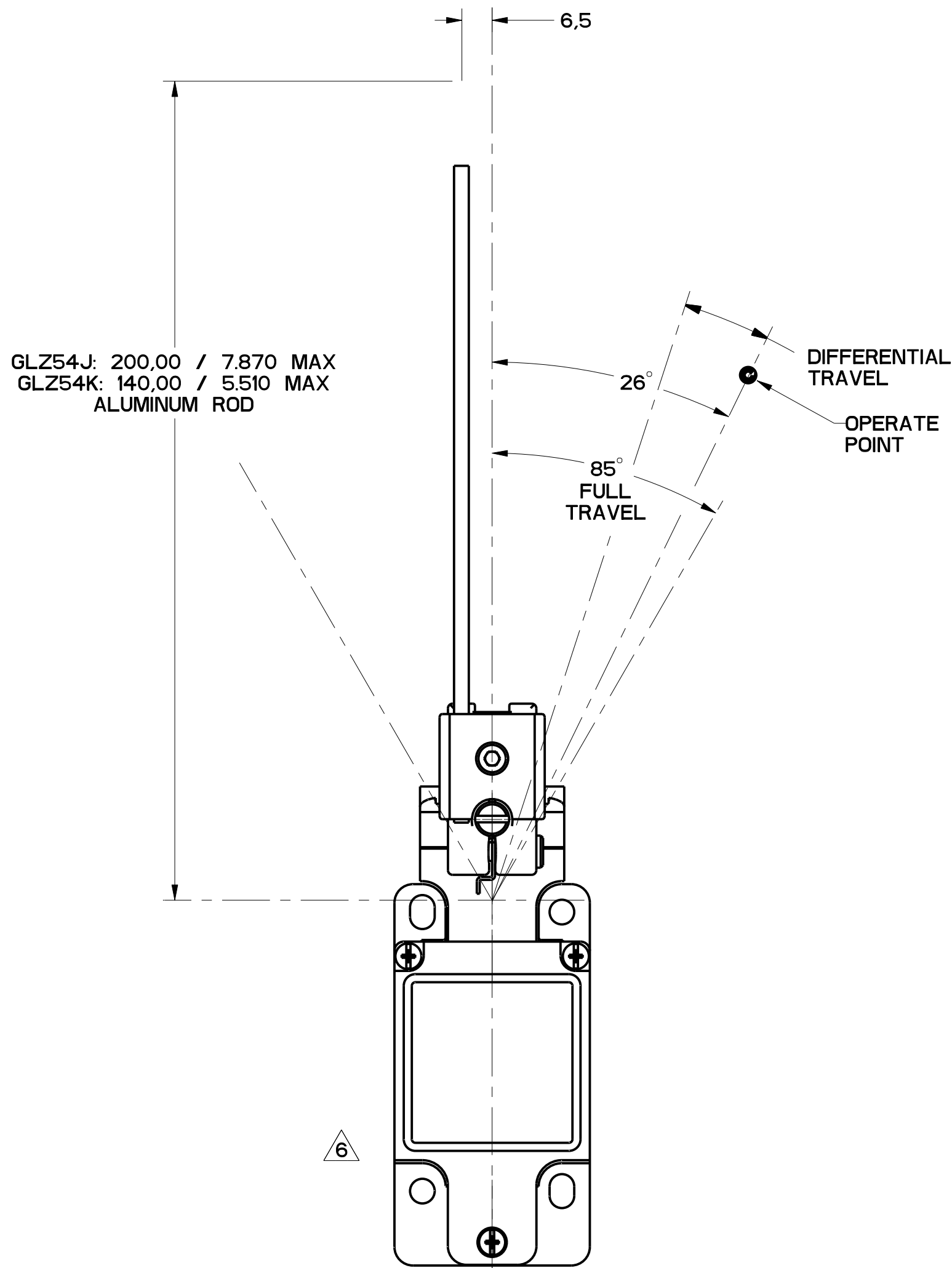


FIGURE 10

FIGURES 8, 9, 10 ANGULAR ACTUATION

| CATALOG LISTING | CONTACT BLOCK DIAGRAM                     | NOMINAL TRAVELS AND RELATED TERMINALS<br>CONTACT CLOSED,  CONTACT OPEN,  - CONTACT CLOSED<br>DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5 | MAXIMUM OPERATING TORQUE $\frac{N}{LB-IN}$ | MAXIMUM DISCONNECT TORQUE $\frac{N}{LB-IN}$ | MAX OPERATE DEGREE/S | MIN OPERATE DEGREE/S | MAX OPERATE FREQUENCY OPS/MIN |
|-----------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------|----------------------|-------------------------------|
| GL**02A*        | SNAP - ACTION CONTACTS<br>SINGLE POLE<br> | 21-22 13-14  12° DIFFERENTIAL TRAVEL                                                                                                               | $\frac{.330}{2.9}$                         | $\frac{.385}{3.4}$                          | 1290                 | 13                   | 250                           |

CAM ACTUATION PER EN50041, FIGURES 8 AND 9

| CATALOG LISTING | CONTACT BLOCK DIAGRAM                     | NOMINAL TRAVELS AND RELATED TERMINALS<br>CONTACT CLOSED,  CONTACT OPEN,  - CONTACT CLOSED<br>DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5<br>DIMENSIONS IN mm | MAXIMUM OPERATING FORCE $\frac{N}{LB}$ | MAXIMUM DISCONNECT FORCE $\frac{N}{LB}$ | MAX OPERATE VEL $\frac{M/S}{IN/S}$ | MIN OPERATE VEL $\frac{M/S}{IN/S}$ | MAX OPERATE FREQUENCY OPS/MIN |
|-----------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|------------------------------------|------------------------------------|-------------------------------|
| GL**02A*        | SNAP - ACTION CONTACTS<br>SINGLE POLE<br> | 21-22 13-14  12 DIFFERENTIAL TRAVEL                                                                                                                                    | $\frac{9.7}{2.2}$                      | $\frac{11.4}{2.6}$                      | $\frac{.85}{33.5}$                 | $\frac{8.5}{.33}$                  | 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   | 0.05   |
| ONE PLACE    | X.X   | 0.0156   | 0.4   | 0.01   |
| TWO PLACES   | X.XX  | 0.00156  | 0.05  | 0.005  |
| THREE PLACES | X.XXX | 0.000156 | 0.005 | 0.0005 |

DESIGN UNITS ☒ SI METRIC ☐ US CUSTOMARY

WEIGHT



FIGURE 12



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

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----|----|----|----|-----------|---|----------|------|------|-----------|---|-----------|-------|-------|------------|-------|------------|-------|-------|--------------|--|--------|--------|--------|--------|--|
|                                                                                                                                                                                                                                                                            |                                              |                                                        | <p>SCALE FULL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |    |    |    |    |           |   |          |      |      |           |   |           |       |       |            |       |            |       |       |              |  |        |        |        |        |  |
|                                                                                                                                                                                                                                                                            |                                              |                                                        | <p>DO NOT SCALE PRINT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |    |    |    |    |           |   |          |      |      |           |   |           |       |       |            |       |            |       |       |              |  |        |        |        |        |  |
|                                                                                                                                                                                                                                                                            |                                              |                                                        | <p>TOLERANCES</p> <p>APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE :</p> <table> <tr> <th></th> <th>IN</th> <th>MM</th> <th>IN</th> <th>MM</th> </tr> <tr> <td>NO PLACES</td> <td>X</td> <td>1/16, 01</td> <td>0.01</td> <td>0.01</td> </tr> <tr> <td>ONE PLACE</td> <td>X</td> <td>1/32, 015</td> <td>0.015</td> <td>0.015</td> </tr> <tr> <td>TWO PLACES</td> <td>X, XX</td> <td>0.001, 005</td> <td>0.001</td> <td>0.005</td> </tr> <tr> <td>THREE PLACES</td> <td></td> <td>0.0001</td> <td>0.0001</td> <td>0.0005</td> </tr> <tr> <td>ANGLES</td> <td></td> <td>1/2</td> <td>1/2</td> <td>1/2</td> </tr> </table> |        | IN | MM | IN | MM | NO PLACES | X | 1/16, 01 | 0.01 | 0.01 | ONE PLACE | X | 1/32, 015 | 0.015 | 0.015 | TWO PLACES | X, XX | 0.001, 005 | 0.001 | 0.005 | THREE PLACES |  | 0.0001 | 0.0001 | 0.0005 | ANGLES |  |
|                                                                                                                                                                                                                                                                            | IN                                           | MM                                                     | IN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MM     |    |    |    |    |           |   |          |      |      |           |   |           |       |       |            |       |            |       |       |              |  |        |        |        |        |  |
| NO PLACES                                                                                                                                                                                                                                                                  | X                                            | 1/16, 01                                               | 0.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.01   |    |    |    |    |           |   |          |      |      |           |   |           |       |       |            |       |            |       |       |              |  |        |        |        |        |  |
| ONE PLACE                                                                                                                                                                                                                                                                  | X                                            | 1/32, 015                                              | 0.015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.015  |    |    |    |    |           |   |          |      |      |           |   |           |       |       |            |       |            |       |       |              |  |        |        |        |        |  |
| TWO PLACES                                                                                                                                                                                                                                                                 | X, XX                                        | 0.001, 005                                             | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.005  |    |    |    |    |           |   |          |      |      |           |   |           |       |       |            |       |            |       |       |              |  |        |        |        |        |  |
| THREE PLACES                                                                                                                                                                                                                                                               |                                              | 0.0001                                                 | 0.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.0005 |    |    |    |    |           |   |          |      |      |           |   |           |       |       |            |       |            |       |       |              |  |        |        |        |        |  |
| ANGLES                                                                                                                                                                                                                                                                     |                                              | 1/2                                                    | 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1/2    |    |    |    |    |           |   |          |      |      |           |   |           |       |       |            |       |            |       |       |              |  |        |        |        |        |  |
| <p>DESIGN UNITS <input checked="" type="checkbox"/> SI METRIC <input type="checkbox"/></p>                                                                                                                                                                                 | <p>US CUSTOMARY <input type="checkbox"/></p> |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |    |    |    |    |           |   |          |      |      |           |   |           |       |       |            |       |            |       |       |              |  |        |        |        |        |  |

| 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<br>CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED<br>DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 | MAXIMUM OPERATING FORCE<br>N<br>LB | MAXIMUM DISCONNECT FORCE<br>N<br>LB | MAX OPERATE VEL<br>M/S<br>in/s | MIN OPERATE VEL<br>M/S<br>in/s | MAX OPERATE FREQUENCY<br>OPS/MIN |
|-----------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------|--------------------------------|--------------------------------|----------------------------------|
| GL**02C         | SNAP - ACTION CONTACTS<br>SINGLE POLE<br> | <p>50.5 48 46** 43.5<br/>21-22 13-14<br/>0.9 DIFFERENTIAL TRAVEL</p>                                                                             | 16<br>3.6                          | 27<br>6.0                           | 0.1<br>3.9                     | 1.0<br>.04                     | 250                              |

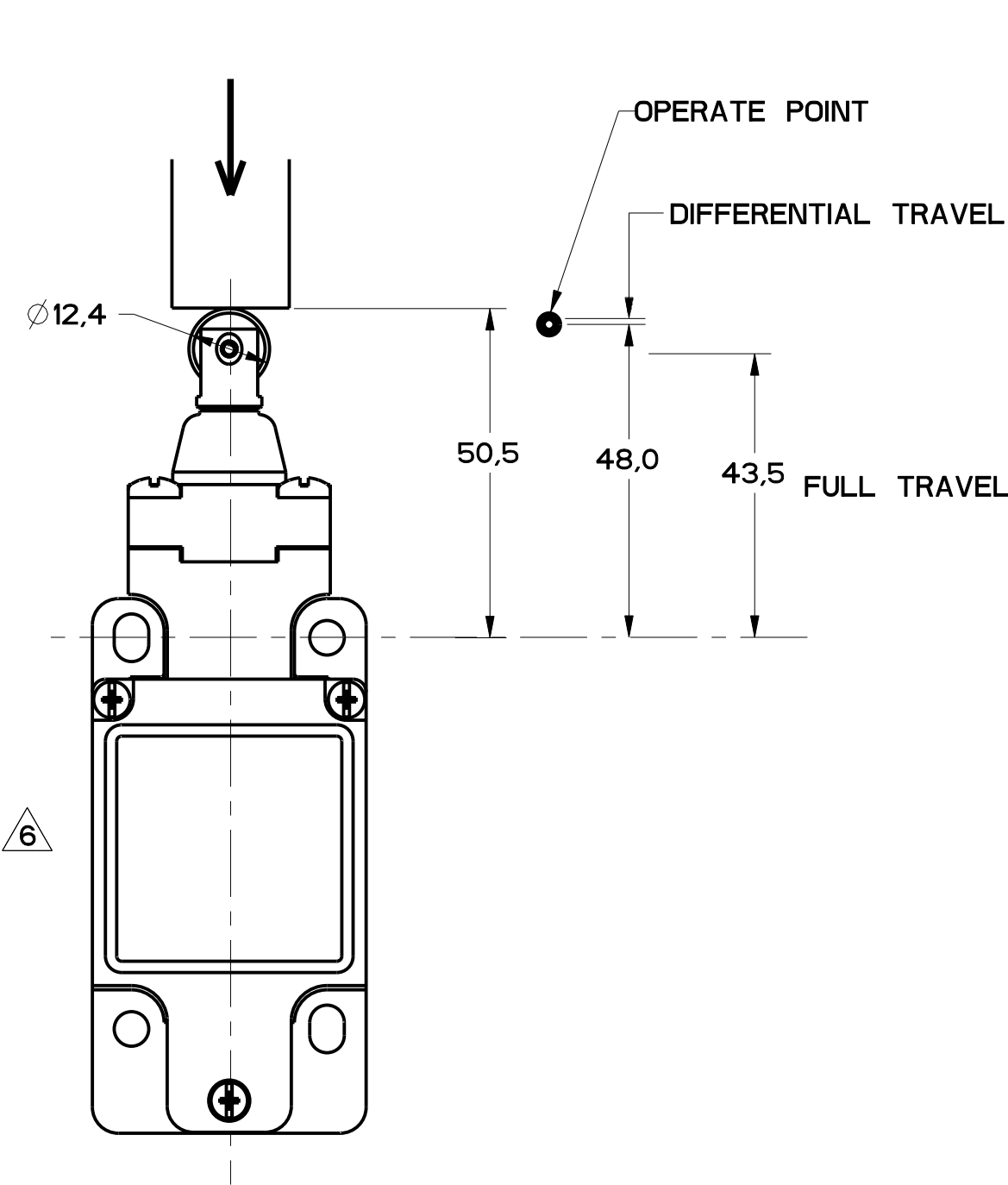


FIGURE 13A

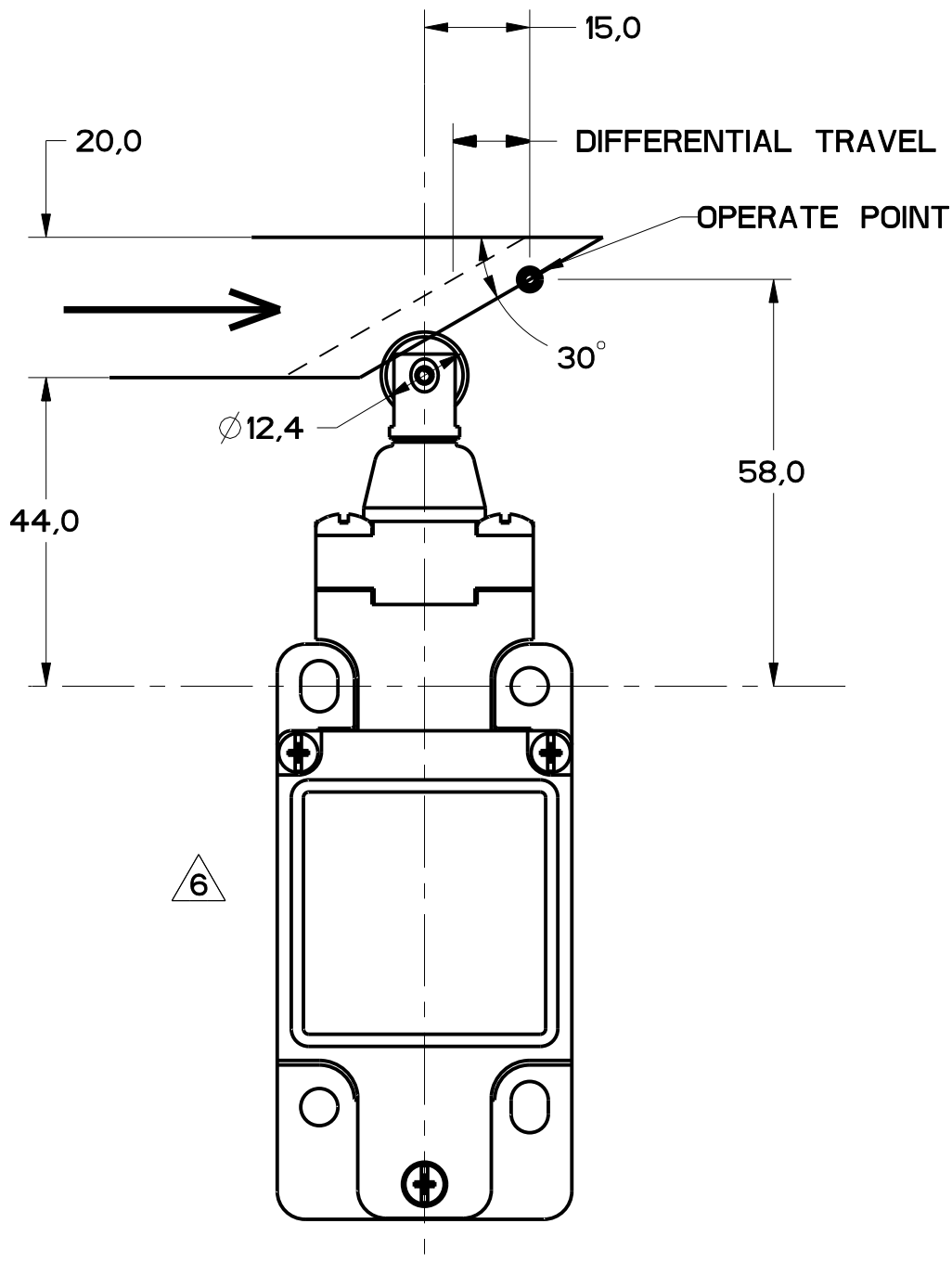


FIGURE 13B

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

| CATALOG LISTING | CONTACT BLOCK DIAGRAM                     | NOMINAL TRAVELS AND RELATED TERMINALS<br>CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED<br>DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 | MAXIMUM OPERATING FORCE<br>N<br>LB | MAXIMUM DISCONNECT FORCE<br>N<br>LB | MAX OPERATE VEL<br>M/S<br>in/s | MIN OPERATE VEL<br>M/S<br>in/s | MAX OPERATE FREQUENCY<br>OPS/MIN |
|-----------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------|--------------------------------|--------------------------------|----------------------------------|
| GL**02C         | SNAP - ACTION CONTACTS<br>SINGLE POLE<br> | <p>20 15 15 18.3**<br/>21-22 13-14<br/>1.8 DIFFERENTIAL TRAVEL</p>                                                                               | 9.3<br>2.1                         | 15.6<br>3.5                         | 0.17<br>6.7                    | 1.7<br>.067                    | 250                              |

| THIRD ANGLE PROJECTION                                                                                 |           |              |      |
|--------------------------------------------------------------------------------------------------------|-----------|--------------|------|
|                                                                                                        |           |              |      |
| SCALE FULL                                                                                             |           |              |      |
| DO NOT SCALE PRINT                                                                                     |           |              |      |
| TOLERANCES<br>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<br>a Honeywell Division                                                                                                                                                |  | SWITCH, ENCLOSED  |  |
|                                                                                                                                                                                     |  |                   |  |

| REVISIONS |         |          |
|-----------|---------|----------|
| A         | 1       | 180292   |
| 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 |          |

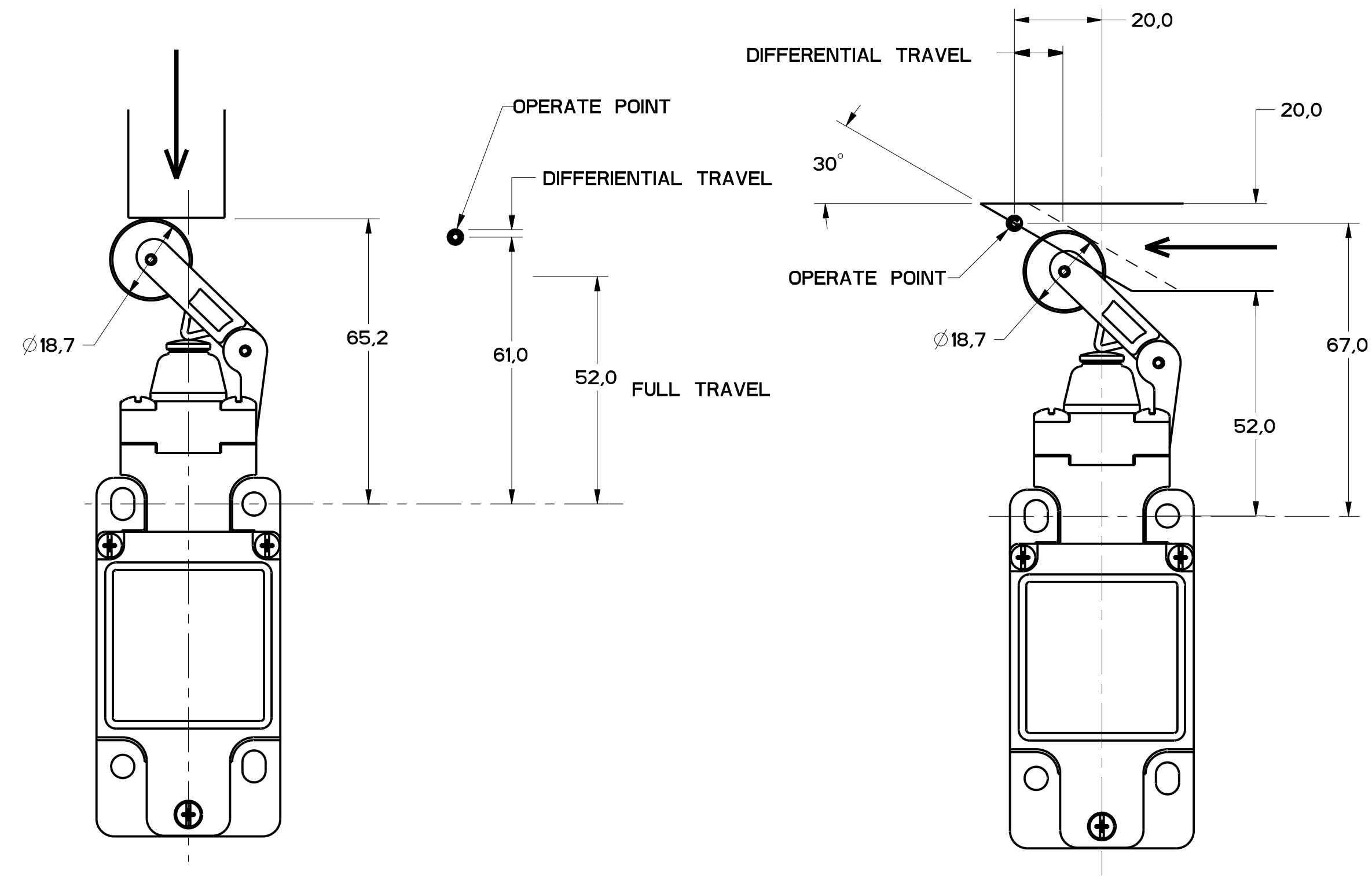


FIGURE 14A

FIGURE 14B

| FIGURE 14A, TOP ROLLER LEVER HEAD WITH PIN ACTUATION |                                           |                                                                                                                                                  |                                    |                                     |                                |                                |
|------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------|--------------------------------|--------------------------------|
| CATALOG LISTING                                      | CONTACT BLOCK DIAGRAM                     | NOMINAL TRAVELS AND RELATED TERMINALS<br>CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED<br>DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 | MAXIMUM OPERATING FORCE<br>N<br>LB | MAXIMUM DISCONNECT FORCE<br>N<br>LB | MAX OPERATE VEL<br>M/S<br>in/S | MIN OPERATE VEL<br>M/S<br>in/S |
| GL**02D                                              | SNAP - ACTION CONTACTS<br>SINGLE POLE<br> | <br>1.7 DIFFERENTIAL TRAVEL                                                                                                                      | 9.5<br>2.1                         | 12<br>2.7                           | 0.17<br>6.7                    | 1.7<br>.067                    |

| FIGURE 14B, TOP ROLLER LEVER HEAD WITH CAM ACTUATION |                                           |                                                                                                                                                  |                                    |                                     |                                |                                |
|------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------|--------------------------------|--------------------------------|
| CATALOG LISTING                                      | CONTACT BLOCK DIAGRAM                     | NOMINAL TRAVELS AND RELATED TERMINALS<br>CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED<br>DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 | MAXIMUM OPERATING FORCE<br>N<br>LB | MAXIMUM DISCONNECT FORCE<br>N<br>LB | MAX OPERATE VEL<br>M/S<br>in/S | MIN OPERATE VEL<br>M/S<br>in/S |
| GL**02D                                              | SNAP - ACTION CONTACTS<br>SINGLE POLE<br> | <br>4.1 DIFFERENTIAL TRAVEL                                                                                                                      | 5.5<br>1.2                         | 7.0<br>1.6                          | 0.29<br>11.4                   | 2.9<br>.11                     |

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     |
|--------------|-------|---------|-------|---------|
| NO PLACES    | X     | 1/16    | 2.X   | 0.015   |
| ONE PLACE    | X.X   | 0.015   | 2.XX  | 0.0015  |
| TWO PLACES   | X.XX  | 0.0015  | 2.XXX | 0.00015 |
| THREE PLACES | X.XXX | 0.00015 |       |         |

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

WEIGHT

| REVISIONS |          |
|-----------|----------|
| A         | CO 78809 |
| B         | CO 80101 |
| C         | CO 80101 |
| D         | CO 80101 |
| E         | CO 80101 |
| F         | CO 80101 |
| G         | CO 80101 |
| H         | CO 80101 |
| I         | CO 80101 |
| J         | CO 80101 |
| K         | CO 80101 |
| L         | CO 80101 |
| M         | CO 80101 |
| N         | CO 80101 |
| O         | CO 80101 |
| P         | CO 80101 |
| Q         | CO 80101 |
| R         | CO 80101 |
| S         | CO 80101 |
| T         | CO 80101 |
| U         | CO 80101 |
| V         | CO 80101 |
| W         | CO 80101 |
| X         | CO 80101 |
| Y         | CO 80101 |
| Z         | CO 80101 |

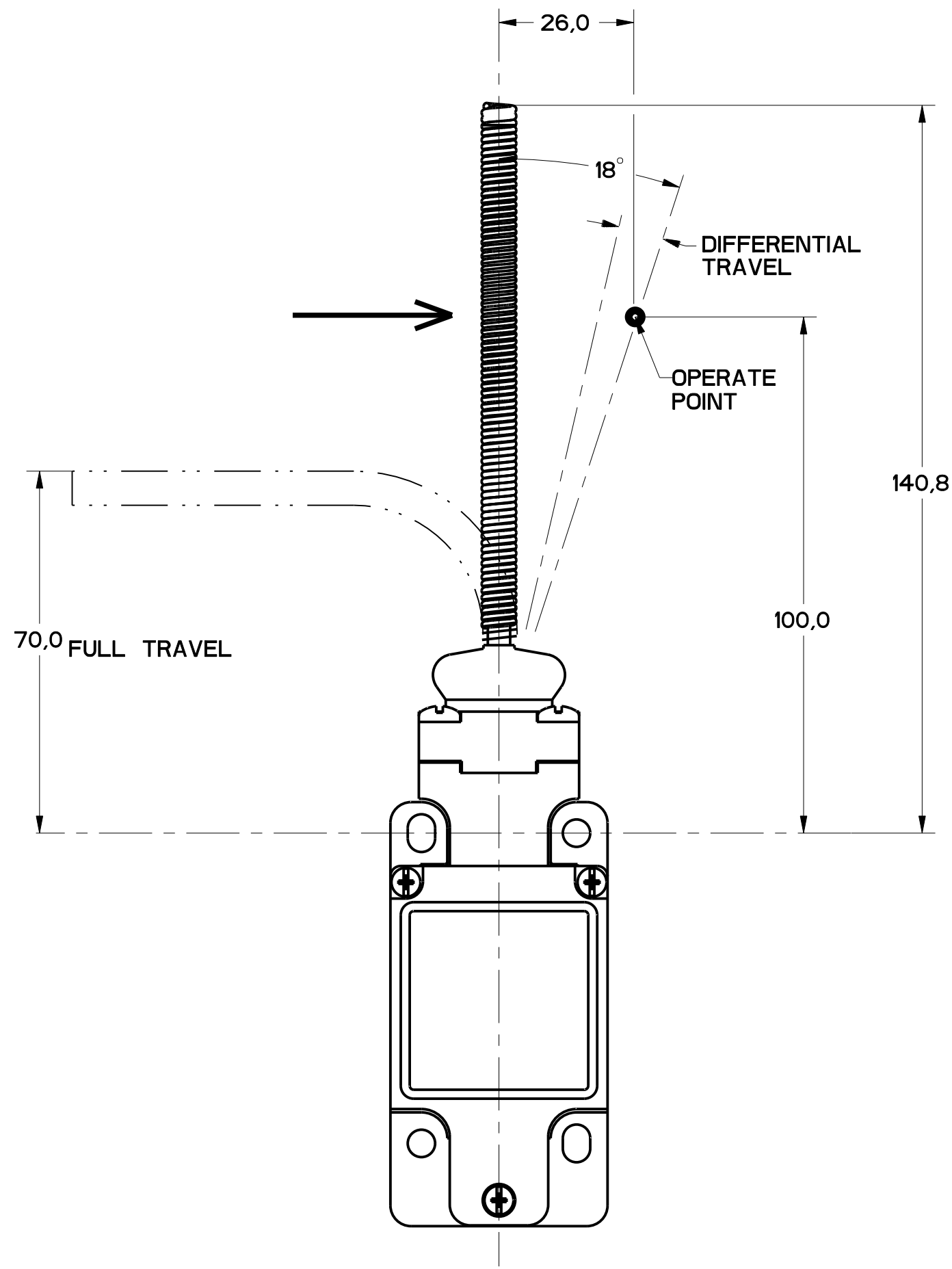


FIGURE 15

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

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

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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[www.lifeelectronics.ru](http://www.lifeelectronics.ru)