# SIDE ROTARY

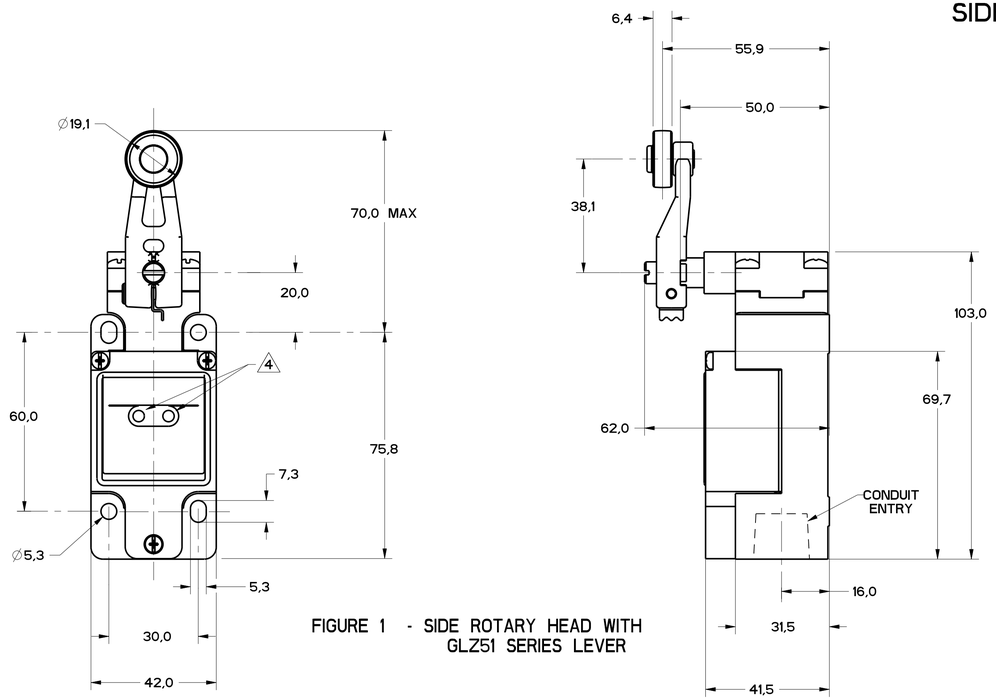
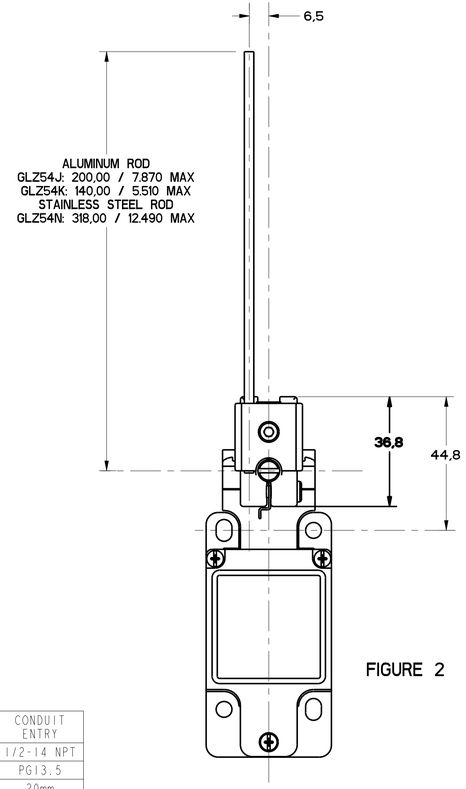



FIGURE 1 - SIDE ROTARY HEAD WITH GLZ51 SERIES LEVER



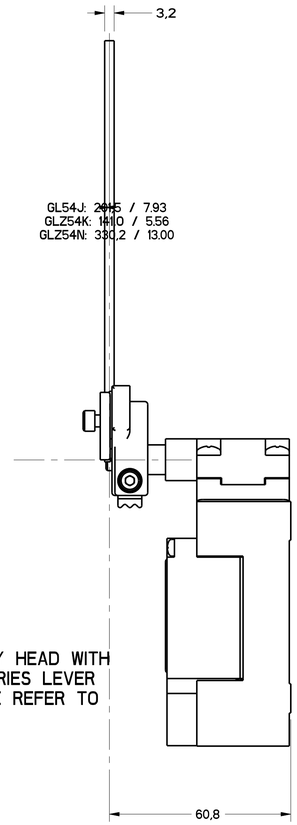




FIGURE 2 - SIDE ROTARY HEAD WITH GLZ54 SERIES LEVER OTHERWISE REFER TO FIGURE 1

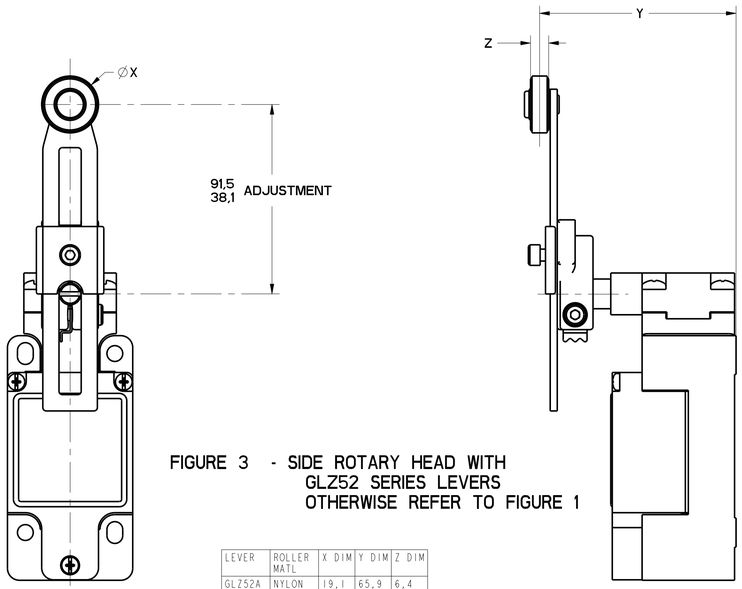



FIGURE 3 - SIDE ROTARY HEAD WITH GLZ52 SERIES LEVERS OTHERWISE REFER TO FIGURE 1

| 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 |

| 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 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<br>NEMA/UL TYPES 1, 4, 12, 13 |

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

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 GLZ5
4 THE RIGHT INDICATOR IS YELLOW AND INDICATES "OUTPUT STATUS" IT IS ON GLG SERIES PRODUCTS ONLY.
5 THE MAXIMUM VOLTAGE, Ve OF GLG SERIES PRODUCTS IS THE MAXIMUM RATED VOLTAGE OF INDICATION LIGHTS
6 FREE POSITION, OPERATE POINT, OVERTRAVEL AND PRETRAVEL ALL TO EN50041
7 CAM TRAVEL FOR FIG 9 ONLY APPLIES WHEN LEVER IS ADJUSTED TO 38,1 / 1.50
8 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

ANSI Y14.5M-1982 APPLIES

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SWITCH, ENCLOSED

CATALOG LISTING
GL SERIES CHART 2

THIRD ANGLE PROJECTION
SCALE FULL
DO NOT SCALE PRINT
TOLERANCES
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE ±

| | DIM. mm | TOL. mm/± | DIM. in | TOL. in/± |
|---|---|---|---|---|
| NO PLACES | X | 1/.04 | X.X | 0.8/.03 |
| ONE PLACE | X.X | 0.4/.016 | X.XX | 0.38/.015 |
| TWO PLACES | X.XX | 0.15/.006 | X.XXX | 0.13/.005 |
| THREE PLACES | | | | |
| ANGLES | | ±2° | | |

SI METRIC ☒ US CUSTOMARY ☐
DESIGN UNITS
WEIGHT

PTC/CAD
DRAWN S A V 28MAR96
CHECK RJ
APPD
MFG
CHECK
M GL SERIES CHART 2 PAGE 1 OF 8 RELEASE NO. PR-20182 REPLACES
DRAWING NUMBER 11
ISSUE MDM
CHECK
REVISIONS
A PR-21603 1 FEB 28 MARCH 96
B PR-21578 2 APR11 96
C PR-21557 SKV 1 MAY 96
D PR-22833 GLW 5 JUN 97
E CO-93789 KED 6 JUN98
F 0000401 GLW 7 JUN03
G 0002986 AC 20JAN04
H 0017532 RJ 02DEC05

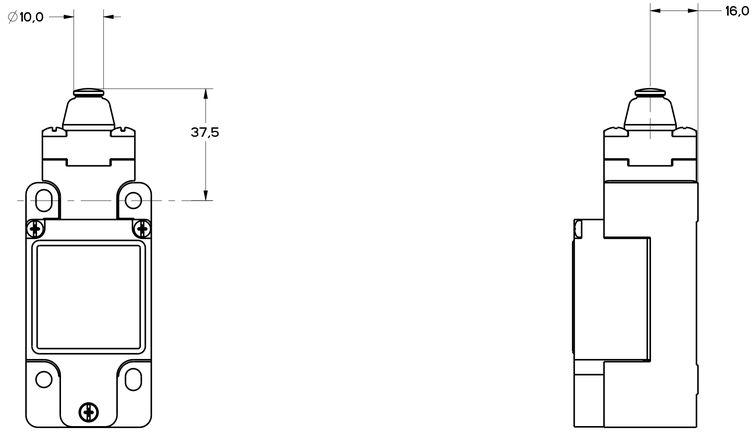


FIGURE 4 - TOP PIN PLUNGER HEAD OTHERWISE REFER TO FIGURE 1

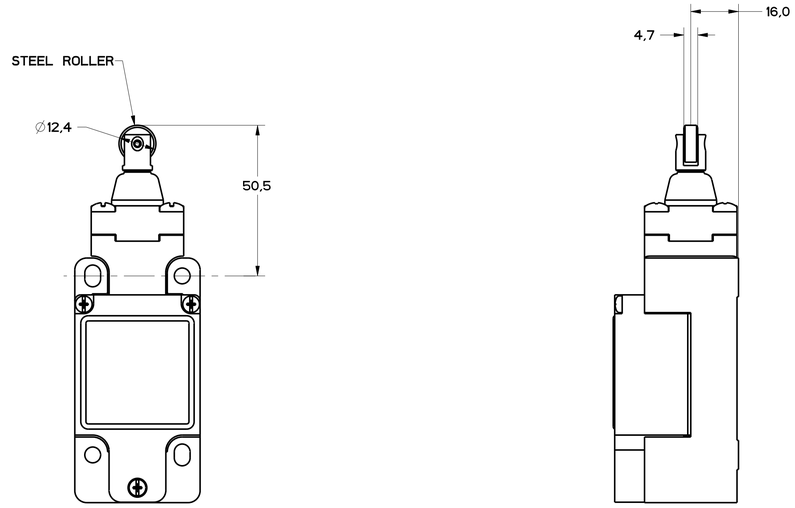


FIGURE 5 - TOP ROLLER PLUNGER HEAD OTHERWISE REFER TO FIGURE 1

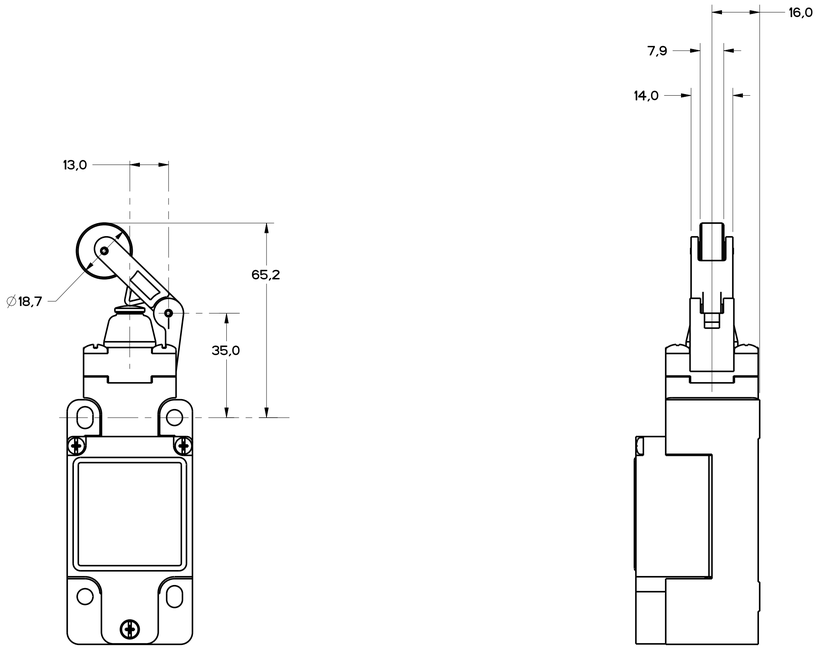


FIGURE 6 - TOP LEVER HEAD, OTHERWISE REFER TO FIGURE 1

| | | | | | | |
|---|---|---|---|---|---|---|
| PTC/CAD | | | | | | |
| DRAWN | WLS | 10DEC93 | GLH | 10DEC93 | CHECK | |
| ISSUE | 11 | | | | | |
| DRAWING NUMBER | GL SERIES CHART 2 | | | | | |
| PAGE | 1 OF 8 | | | | | |
| RELEASE NO. | PR-20782 | | | | | |
| REPLACES | | | | | | |

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| A | CO-93389 | KED 6NOV94 | | | |
| B | 0008401 | GLH 4JUN03 | 02DEC05 | MDM | CHECK |
| C | 0002986 | RG 10JAN14 | RJ | | |
| D | 0017532 | TDG 02DEC05 | CHECK | | |

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SWITCH, ENCLOSED

CATALOG LISTING

GL SERIES CHART 2

ANSI Y14.5M-1982 APPLIES

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

TOLERANCES

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

| | DIM mm | TOL mm | DIM in | TOL in |
|---|---|---|---|---|
| NO PLACES | X | 0,4 | X | 0,01/.03 |
| ONE PLACE | X,X | 0,1/.004 | X,X | 0,01/.005 |
| TWO PLACES | X,XX | 0,13/.005 | X,XXX | 0,13/.005 |
| THREE PLACES | | | | |
| ANGLES | | ±2° | | |

SI METRIC [X] US CUSTOMARY [ ]

DESIGN UNITS

WEIGHT

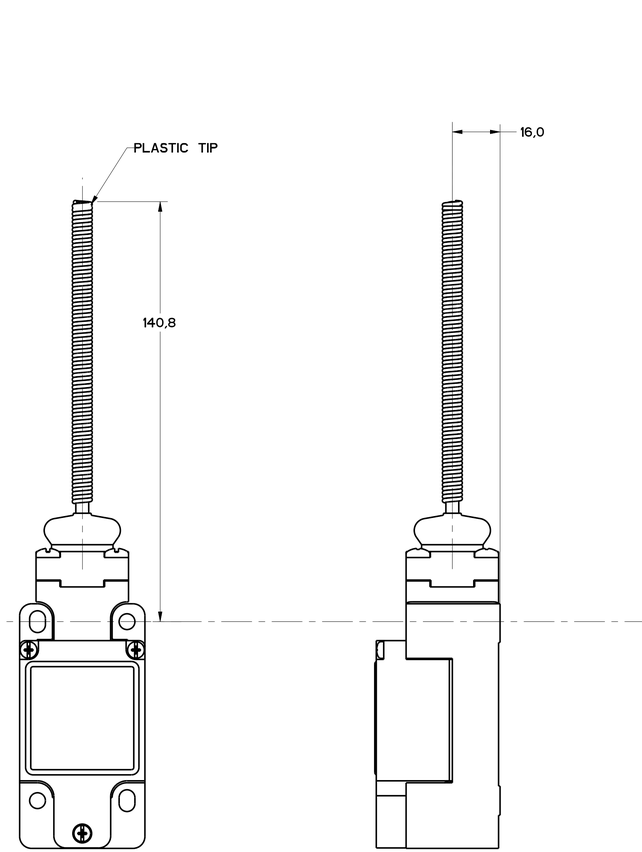





FIGURE 7 - WOBBLE HEAD, AND CAT WHISKER HEAD COIL ACTUATOR, OTHERWISE REFER TO FIGURE 1

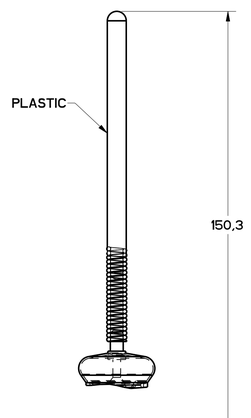


FIGURE 7A - WOBBLE HEAD, PLASTIC ACTUATOR, OTHERWISE SAME AS FIGURE 7

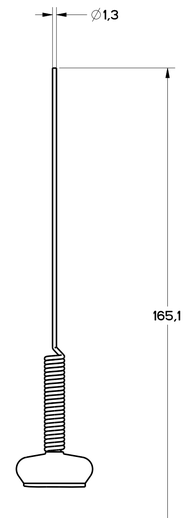


FIGURE 7B - WOBBLE HEAD STAINLESS STEEL SPRING ACTUATOR, OTHERWISE SAME AS FIGURE 7

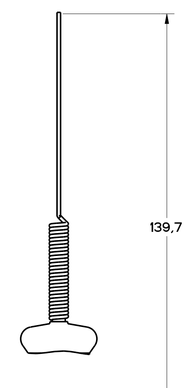


FIGURE 7C - CAT WHISKER ACTUATOR STAINLESS STEEL SPRING OTHERWISE SAME AS FIGURE 7

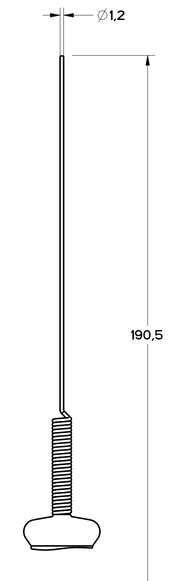


FIGURE 7D - CAT WHISKER ACTUATOR, STAINLESS STEEL SPRING, OTHERWISE SAME AS FIGURE 7

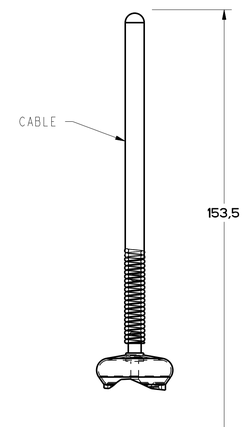


FIGURE 7E - CABLE WOBBLE ACTUATOR OTHERWISE SAME AS FIGURE 7



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CATALOG LISTING
GL SERIES CHART 2

THIRD ANGLE PROJECTION
SCALE FULL
DO NOT SCALE PRINT
TOLERANCES
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE ±

| | DIM mm | TOL mm± | DIM in | TOL in± |
|---|---|---|---|---|
| NO PLACES | X | 0,4 | X | 0,01/.03 |
| ONE PLACE | X,X | 0,13/.016 | X,XX | 0,01/.015 |
| TWO PLACES | X,XX | 0,13/.006 | X,XXX | 0,13/.005 |
| THREE PLACES | | | | |
| ANGLES | | ±2° | | |

DESIGN UNITS SI METRIC ☒ US CUSTOMARY ☐
WEIGHT

ANSI Y14.5M-1982 APPLIES

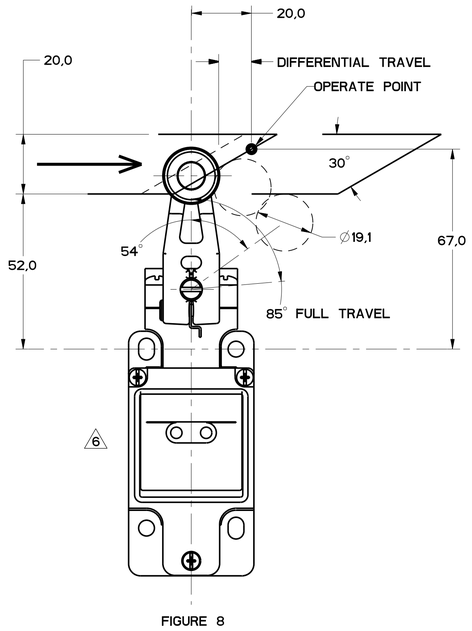


FIGURE 8

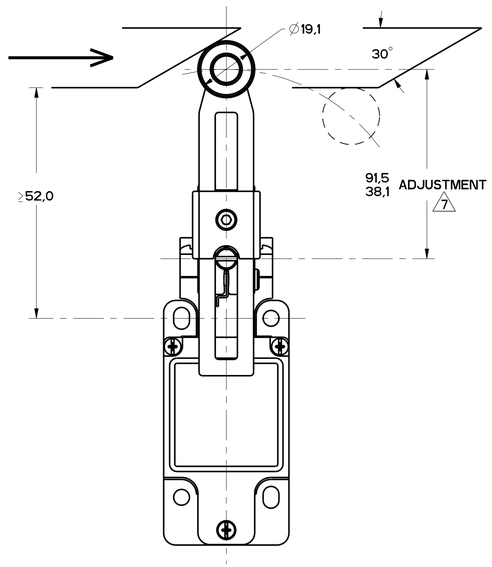


FIGURE 9

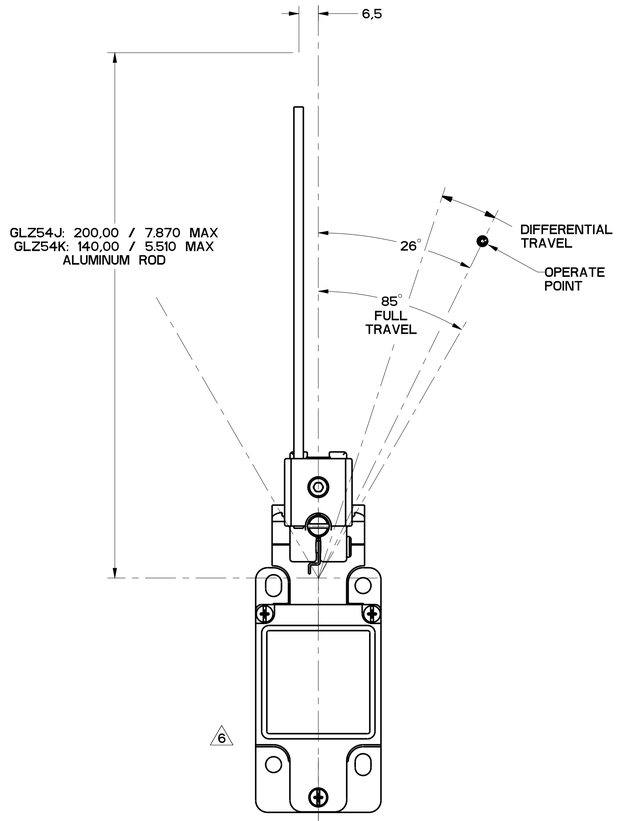


FIGURE 10

## FIGURES 8, 9, 10 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 N·m / LB-IN | MAXIMUM DISCONNECT TORQUE N·m / LB-IN | MAX OPERATE DEGREE/S | MIN OPERATE DEGREE/S | MAX OPERATE FREQUENCY OPS/MIN |
|---|---|---|---|---|---|---|---|
| GL**02A* | SNAP - ACTION CONTACTS SINGLE POLE Zb | 21-22 / 13-14: 26° 55**° 85°; 12° DIFFERENTIAL TRAVEL | .330 / 2.9 | .385 / 3.4 | 1290 | 13 | 250 |

## CAM ACTUATION PER EN50041, FIGURES 8 AND 9 ⚠7

| 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 DIMENSIONS IN mm | 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**02A* | SNAP - ACTION CONTACTS SINGLE POLE Zb | 21-22 / 13-14: 0 20 56**; 12 DIFFERENTIAL TRAVEL | 9.7 / 2.2 | 11.4 / 2.6 | .85 / 33.5 | 8.5 / .33 | 250 |

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SWITCH, ENCLOSED

CATALOG LISTING
GL SERIES CHART 2

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 mm/s | DIM | TOL mm/s |
|---|---|---|---|
| NO PLACES | X /.06 | X | X .8/.03 |
| ONE PLACE | X.X .4/.016 | X.X | X.XX .38/.015 |
| TWO PLACES | X.XX .15/.006 | X.XXX | X.XXX .13/.005 |
| THREE PLACES | | | |
| ANGLES | ±2° | | |

SI METRIC ☒ DESIGN UNITS ☐ US CUSTOMARY

WEIGHT

PTC/CAD DRAWN S. A. V 28MAR96 CHECK RJ 02DEC05 CHECK

| REVISIONS | | | |
|---|---|---|---|
| A | PR-21403 | S. A. V. | 28MAR96 |
| B | CO-93769 | KED | ENG038 |
| C | 0000401 | GLW | 2JUN03 |
| D | 0002986 | RK | 29JAN04 |
| E | 0017532 | TPC | 02DEC05 |

ISSUE 11 CHECK MDM

M GL SERIES CHART 2 PAGE 4 OF 8 RELEASE NO. PR-20782 REPLACES

DRAWING NUMBER

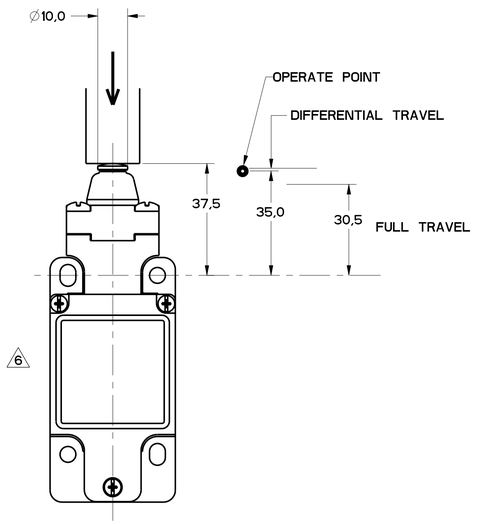


FIGURE 11

## FIGURES 11, PIN PLUNGER HEAD, LINEAR 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 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<br>SINGLE POLE<br>Zb | 37.5 35 33** 30.5<br>21-22 >, 13-14 <<br>0.9 DIFFERENTIAL TRAVEL | 16 / 3.6 | 27 / 6.0 | 0.1 / 3.9 | 1.0 / .04 | 250 |

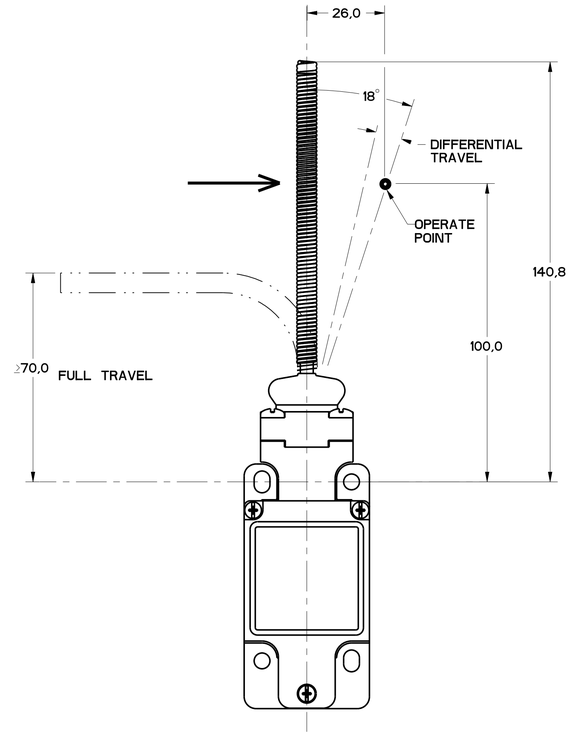


FIGURE 12

## FIGURE 12, WOBBLE HEAD, 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 947-5-1 | 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**02E | SNAP - ACTION CONTACTS<br>SINGLE POLE<br>Zb | 18°<br>21-22 >, 13-14 <<br>8° DIFFERENTIAL TRAVEL | 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<br>■ CONTACT CLOSED, □ CONTACT OPEN, ▨ CONTACT CLOSED<br>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**02E | SNAP - ACTION CONTACTS<br>SINGLE POLE<br>Zb | 26<br>21-22 >, 13-14 <<br>12 DIFFERENTIAL TRAVEL | 2.5 / 0.6 | N/A | .5 / 19.7 | 11 / .43 | 100 |

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SWITCH, ENCLOSED

CATALOG LISTING
GL SERIES CHART 2

THIRD ANGLE PROJECTION
SCALE FULL
DO NOT SCALE PRINT
TOLERANCES
APPLY TO DESIGN UNITS, CONVERSIONS ARE ONLY FOR REFERENCE, UNLESS NOTED, TOLERANCES ARE ±

| | DIM mm | TOL mm/± | DIM in | TOL inch/± |
|---|---|---|---|---|
| NO PLACES | X. | 1/2 | X.X | 0.5/.02 |
| ONE PLACE | X.X | 0.1 | X.XX | 0.25/.010 |
| TWO PLACES | X.XX | 0.13/.005 | X.XXX | 0.13/.005 |
| THREE PLACES | | | | |
| ANGLES | | ±2° | | |

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

ANSI Y14.5M-1982 APPLIES

M GL SERIES CHART 2 | 5 OF 8 | REPLACES | RELEASE NO. PR-20782 | DRAWING NUMBER 11 | ISSUE | M/M | CHECK
REVISIONS
A TCO 78092 GLH 20 SEP 94
B ECO-93789 RKO 4NOV98
C 0000401 GLH 9JUN03
D 0002986 RS 20JAN04
E 0017532 TCO 02DEC05
02DEC05 | RJ | CHECK
5JAN94 | MAM | CHECK
10DEC93 | WLS | DRAWN | PTC/CAD

## 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 N / LB | MAXIMUM DISCONNECT FORCE N / LB | MAX OPERATE VEL mm/S / in/S | MIN OPERATE VEL mm/S / in/S | MAX OPERATE FREQUENCY OPS/MIN |
|---|---|---|---|---|---|---|---|
| GL**02C | SNAP - ACTION CONTACTS<br>SINGLE POLE<br>Zb | 50.5 48 46** 43.5<br>21-22 >, 13-14 <<br>0.9 DIFFERENTIAL TRAVEL | 16 / 3.6 | 27 / 6.0 | 0.1 / 3.9 | 1.0 / .04 | 250 |

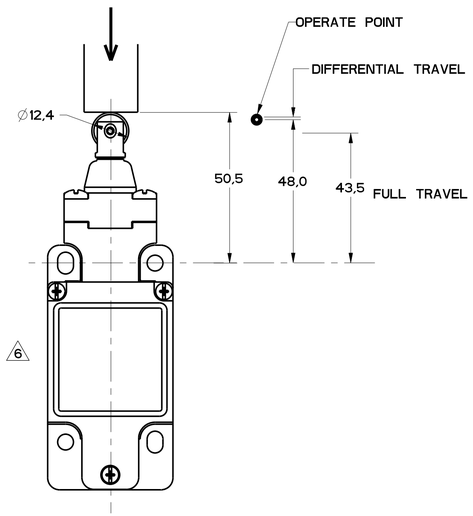


FIGURE 13A

## 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 N / LB | MAXIMUM DISCONNECT FORCE N / LB | MAX OPERATE VEL mm/S / in/S | MIN OPERATE VEL mm/S / in/S | MAX OPERATE FREQUENCY OPS/MIN |
|---|---|---|---|---|---|---|---|
| GL**02C | SNAP - ACTION CONTACTS<br>SINGLE POLE<br>Zb | 0 15 18.3**<br>21-22 >, 13-14 <<br>1.8 DIFFERENTIAL TRAVEL | 9.3 / 2.1 | 15.6 / 3.5 | 0.17 / 6.7 | 1.7 / .067 | 250 |

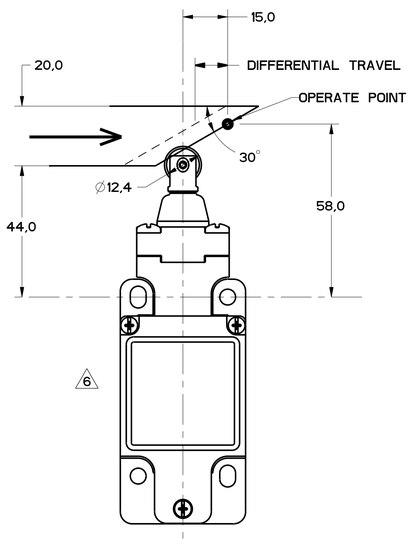


FIGURE 13B

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SWITCH, ENCLOSED

CATALOG LISTING: GL SERIES CHART 2

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

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

| DIM mm | TOL mm/± | DIM in | TOL in/± |
|---|---|---|---|
| NO PLACES | | | |
| ONE PLACE X.X | /.04 | X.X | 0.8/.03 |
| TWO PLACES X.XX | 0.4/.016 | X.XX | 0.38/.015 |
| THREE PLACES X.XXX | 0.15/.006 | X.XXX | 0.13/.005 |
| ANGLES | ±2 | | |

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

WEIGHT

ANSI Y14.5M-1982 APPLIES

PTC/CAD

| | | | |
|---|---|---|---|
| DRAWN | WLS | 10DEC93 | |
| CHECK | MAM | 5JAN94 | |
| CHECK | | 020EC05 | |
| CHECK | RJ | 2JUN03 | |
| CHECK | | 20JAN04 | |
| CHECK | MDM | 02DEC05 | |

REVISIONS

| | | |
|---|---|---|
| A | CO-78092 | GLH 20 SEP 94 |
| B | CO-93789 | KED 4NOV98 |
| C | 0000401 | GLH 2JUN03 |
| D | 0002986 | RK 20JAN04 |
| E | 0017532 | CO-020EC05 |

ISSUE 11

M GL SERIES CHART 2

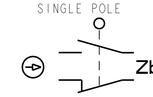
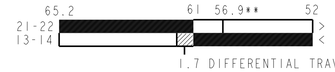
PAGE 6 OF 8

RELEASE NO. PR-20182

DRAWING NUMBER

REPLACES

## 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 mm/S / in/S | MAX OPERATE FREQUENCY OPS/MIN |
|---|---|---|---|---|---|---|---|
| GL**02D | SNAP - ACTION CONTACTS SINGLE POLE   |   | 9.5 / 2.1 | 12 / 2.7 | 0.17 / 6.7 | 1.7 / .067 | 250 |

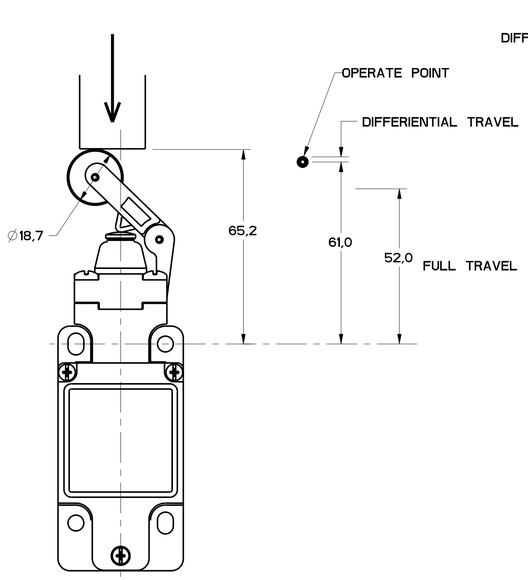



FIGURE 14A

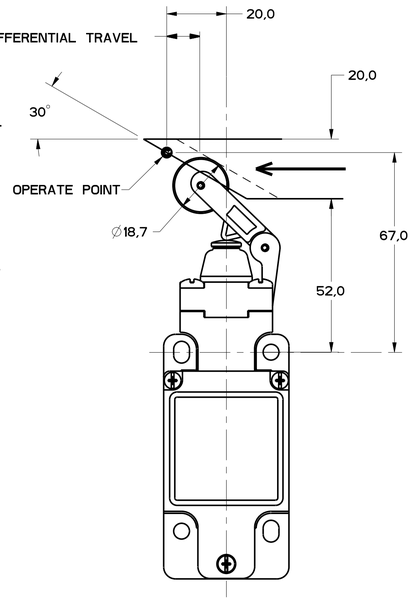
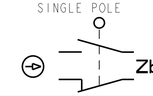
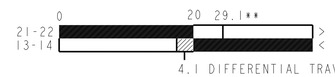



FIGURE 14B

## 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 mm/S / in/S | MAX OPERATE FREQUENCY OPS/MIN |
|---|---|---|---|---|---|---|---|
| GL**02D | SNAP - ACTION CONTACTS SINGLE POLE   |   | 5.5 / 1.2 | 7.0 / 1.6 | 0.29 / 11.4 | 2.9 / .11 | 250 |

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CATALOG LISTING: GL SERIES CHART 2

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

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

| | SI mm | SI TOL. mm/± | US in | US TOL. in/± |
|---|---|---|---|---|
| NO PLACES | X | 1/.04 | X.X | 0.8/.03 |
| ONE PLACE | X.X | 0.4/.016 | X.XX | 0.38/.015 |
| TWO PLACES | X.XX | 0.15/.006 | X.XXX | 0.13/.005 |
| THREE PLACES | | | | |
| ANGLES | | ±2° | | |

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

WEIGHT

ANSI Y14.5M-1982 APPLIES

M GL SERIES CHART 2 | PAGE 7 OF 8 | RELEASE NO. PR-20782 | REPLACES

DRAWING NUMBER 11 | ISSUE | MDM

REVISIONS

| | | | |
|---|---|---|---|
| A | TAO 78092 | | 02DEC05 |
| B | GLW 20 SEP 94 CO-93389 | | |
| C | KED 4NOV98 0000401 | | RJ |
| D | GLW 3JUN03 0002986 | | |
| E | RS 30JAN04 0017532 | CHECK | |
| | TAO 02DEC05 | | 5JAN94 |

PTC/CAD | DRAWN WLS | 10DEC93 | CHECK MAM

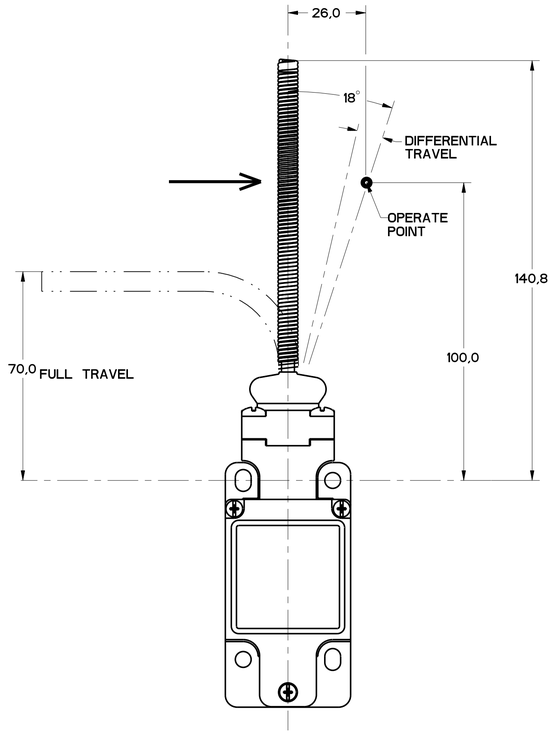
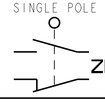
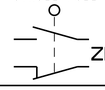
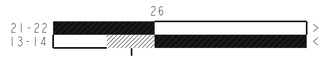



FIGURE 15

## 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 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 |

## 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 N / LB | MAXIMUM DISCONNECT FORCE N / LB | MAX OPERATE VEL mm/S / in/S | MIN OPERATE VEL mm/S / in/S | MAX OPERATE FREQUENCY OPS/MIN |
|---|---|---|---|---|---|---|---|
| GL**02K | SNAP - ACTION CONTACTS SINGLE POLE   |   | 1.3 / .3 | N/A | .5 / 19.7 | 11 / .43 | 100 |

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SWITCH, ENCLOSED

CATALOG LISTING
GL SERIES CHART 2

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

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

| | DIM mm | TOL mm/± | DIM in | TOL in/± |
|---|---|---|---|---|
| NO PLACES | X | 1/.04 | X.X | 0.4/.03 |
| ONE PLACE | X.X | 0.4/.016 | X.XX | 0.381/.015 |
| TWO PLACES | X.XX | 0.13/.005 | X.XXX | 0.127/.005 |
| THREE PLACES | | | | |
| ANGLES | | ±2° | | |

SI METRIC [X] US CUSTOMARY [ ]

DESIGN UNITS

WEIGHT

PTC/CAD
DRAWN WLS 10 DEC 93
CHECK MAM 5JAN94
CHECK RJ 02DEC05
CHECK MDM
ISSUE 11
DRAWING NUMBER M GL SERIES CHART 2
RELEASE NO. PR-20782
PAGE 8 OF 8
REPLACES

REVISIONS
A TSO 78092 GLW 20 SEP 94
B CO-93789 WED ANDVAN
C 0000401 GLW 3JUN03
D 0002986 BS 30JAN04
E 0017532 TSO 02DEC05

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