

Honeywell Sensing and Control

GLAA01A1B



Global Limit Switches Series GLS: Side Rotary With Roller - Standard, 1NC 1NO SPDT Snap Action, 0.5 in - 14NPT conduit

Actual product appearance may vary.

Features

- Designed to IEC standard for worldwide applications
- . UL, CSA, and CE
- International conduit sizes
- Direct PLC interface compatible (two circuit)
- Modular construction reduces maintenance parts costs
- Designed for ease of installation
- Variety of basic switch versions
- · Wide choice of actuators

Potential Applications

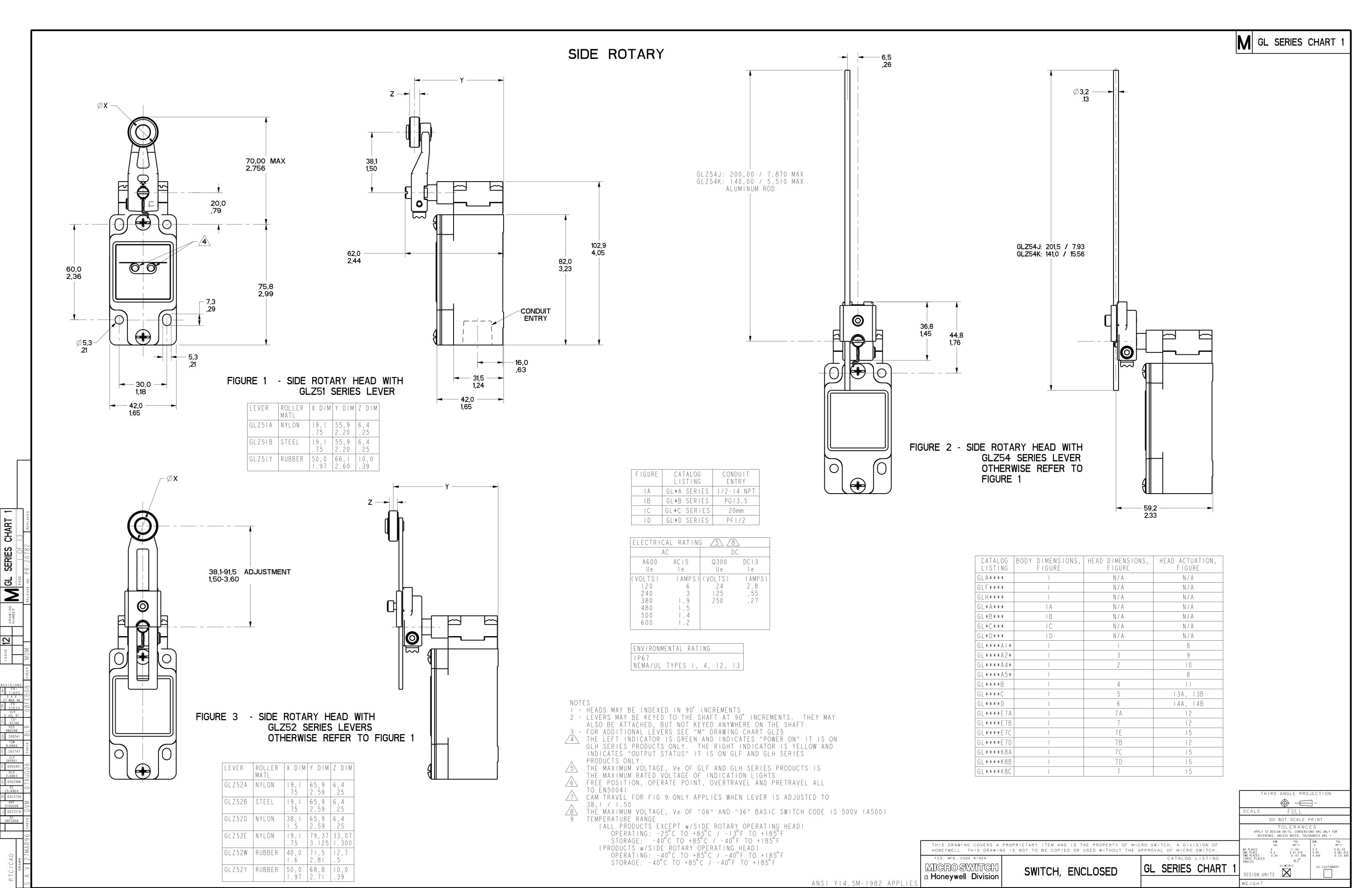
- Machine tools: metal fabrication equipment, presses, transfer lines and special machinery
- Material handling equipment: conveyors, elevators, cranes, and hoists
- Packaging machinery and process equipment
- Textile machinery
- Construction machinery and equipment, vehicles and lift trucks

Description

The GLS series limit switches are specifically designed for world-wide applications and are supported by Honeywell global resources for sale and after sale service.

Product Specifications					
Availability	Global				
Operating Force (O.F.)	0,330 N m [2.90 in lb]				
Pretravel (P.T.)	26°				
Overtravel (O.T.)	59°				
Differential Travel (D.T.)	12°				
Product Type	EN50041/47 Global Limit Switch				
Actuator	Side Rotary				
Lever Style	Roller - Standard				
Circuitry	1NC 1NO SPDT Snap Action				
Ampere Rating	10 A (Thermal)				
Supply Voltage	600 Vac and 250 Vdc max.				
Housing Material	Zinc Die-Cast				

Termination Type	0.5 in - 14NPT conduit
Housing Type	EN 50041
Series Name	GLS DIN
Shock	50 g per IEC 68-2-27c (w/o Actuator)
Vibration	10 g per IEC 68-2-6 (w/o Actuator)
Sealing	NEMA 1, 4, 12, 13 IP67
Approvals	UL, CSA, CE
CSA File #	LR94369-3
UL File #	E37138 & E157416
Mechanical Life	15 million
Operating Temperature Range	-25 °C to 85 °C [-13 °F to 185 °F)
Comment	Roller Material: Steel
Agency Approvals and Standards	IEC 947-5-1, EN60947-5-1, UL508
UNSPSC Code	302119
UNSPSC Commodity	302119 Switches and controls and relays
Sealed	Industrial
Operating Position (O.P.)	26°



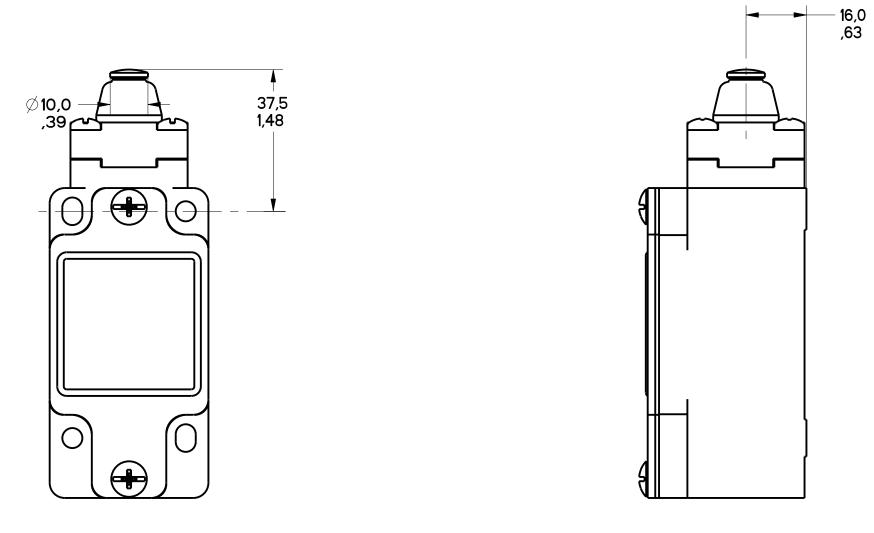
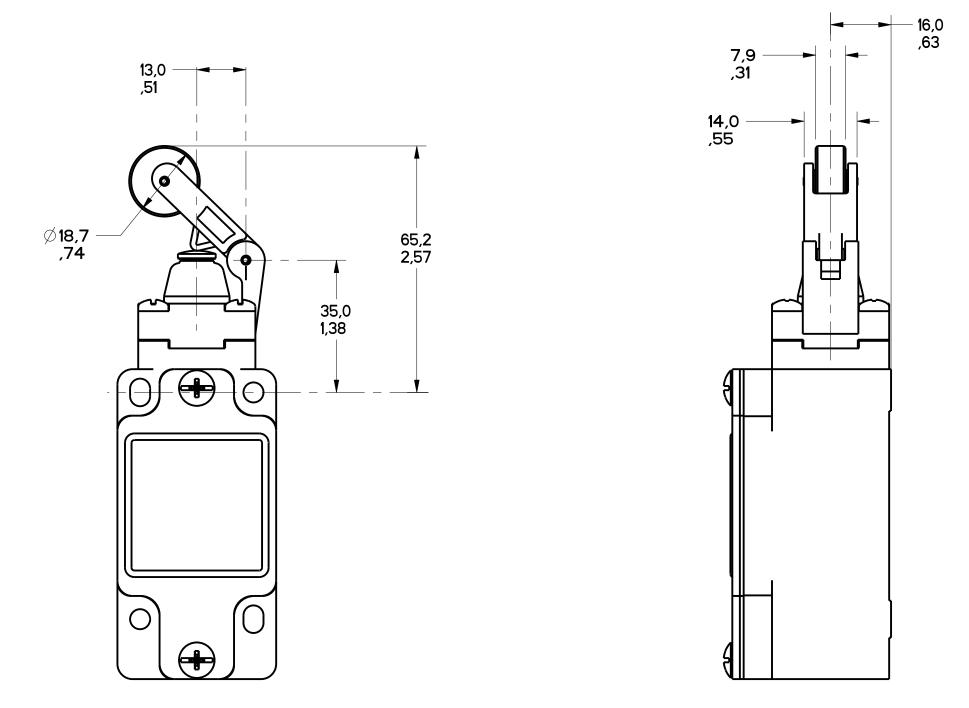


FIGURE 4 - TOP PIN PLUNGER HEAD OTHERWISE REFER TO FIGURE 1



GL SERIES CHART 1

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

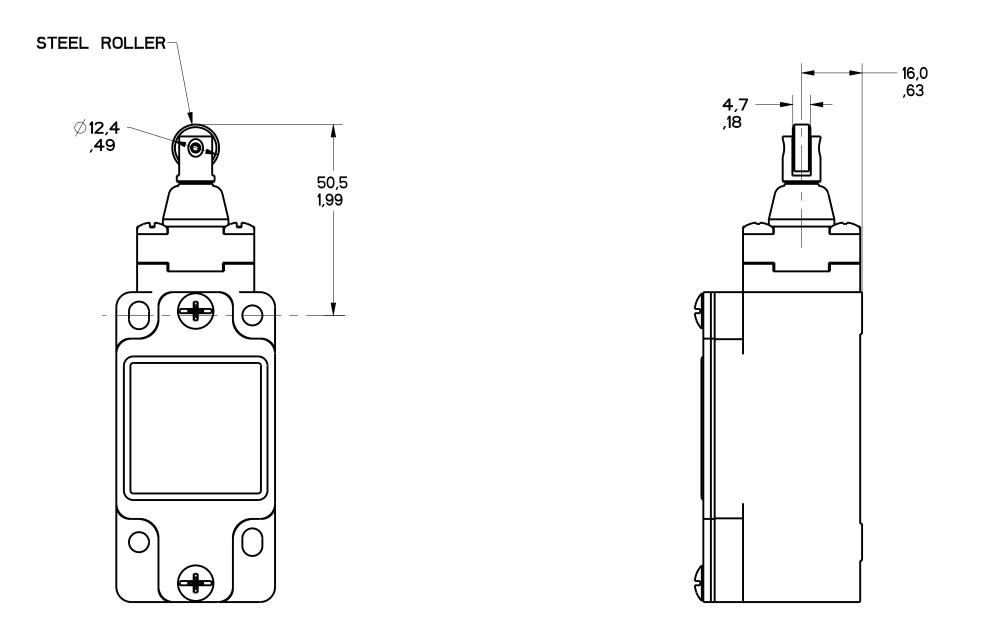


FIGURE 5 - TOP ROLLER PLUNGER HEAD OTHERWISE REFER TO FIGURE 1

ANSI YI4.<u>5M-1982 APPLIES</u>

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

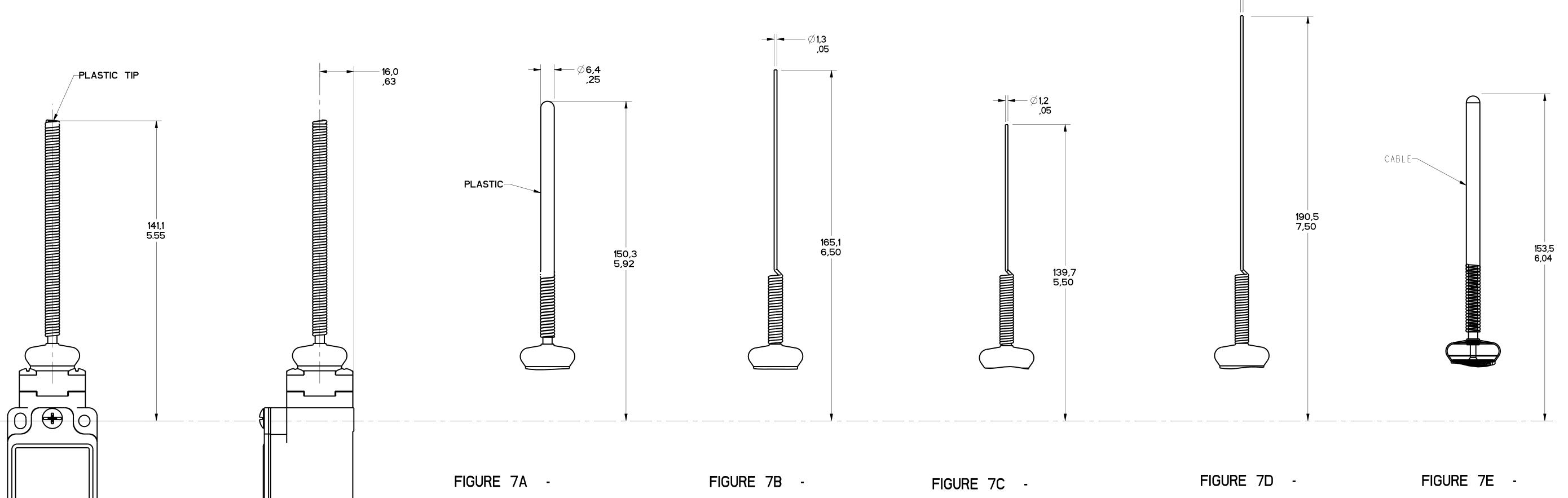
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WOBBLE HEAD

STAINLESS STEEL SPRING

ACTUATOR, OTHERWISE

SAME AS FIGURE 7

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

WOBBLE HEAD,

PLASTIC ACTUATOR,

OTHERWISE SAME AS FIGURE 7

GL SERIES CHART 1

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

CABLE WOBBLE ACTUATOR, OTHERWISE SAME AS FIGURE 7

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

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SWITCH, ENCLOSED

CATALOG LISTING

GL SERIES CHART 1

DESIGN UNITS

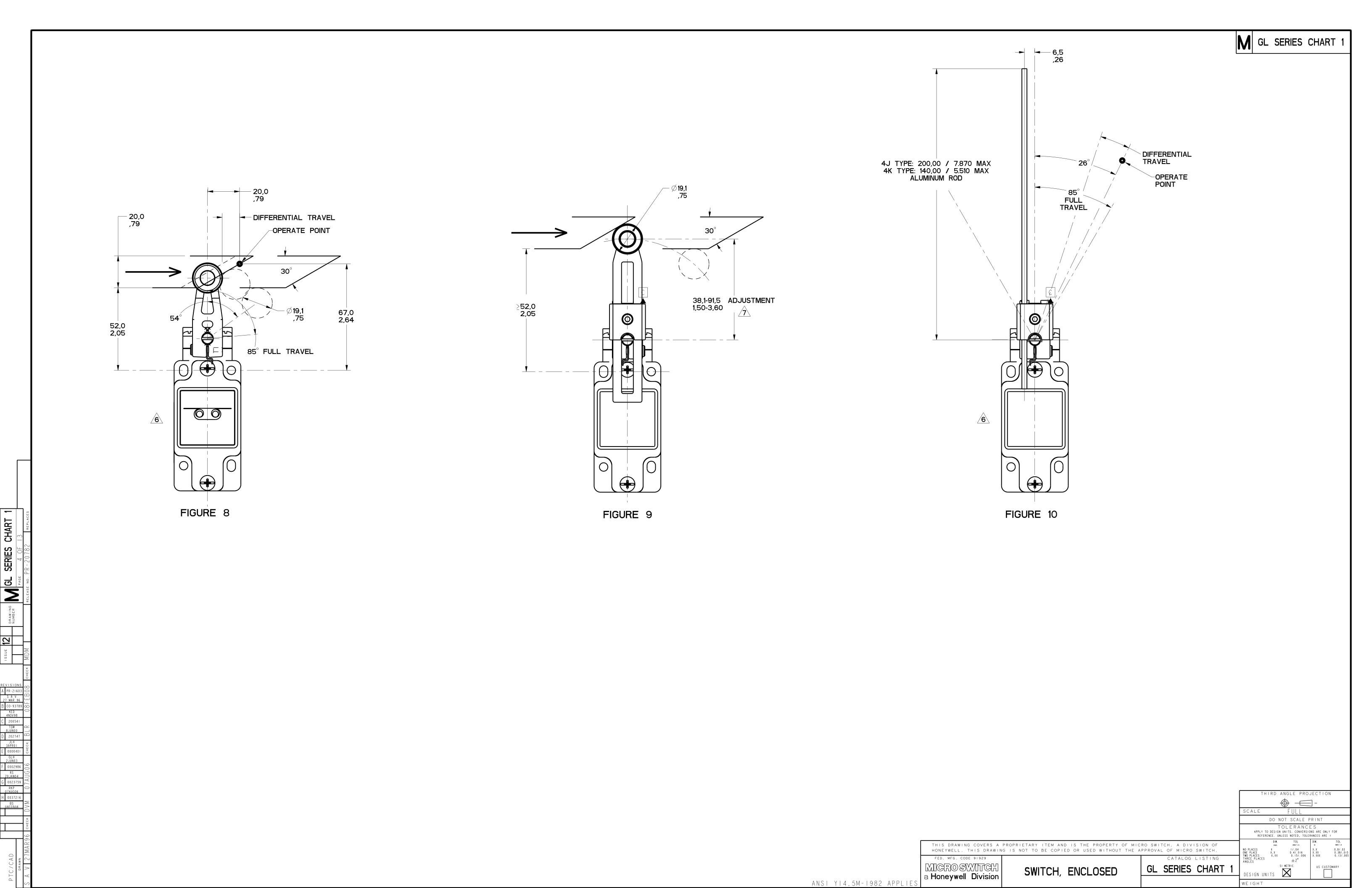
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ANSI YI4.5M-1982 APPLIES AHONEYWE

CAT WHISKER ACTUATOR,

STAINLESS STEEL SPRING,

OTHERWISE SAME AS FIGURE 7



FIGURES 8, 9, 10 SIDE ROTARY HEAD, ANGULAR ACTUATION									
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL - CONTACT CLOS DIFFERENTIAL TRAV	TRAVELS AND RELATED THE ED, ——————————————————————————————————	ERMINALS CONTACT CLOSED NG TO TEC 947-5	MAXIMUM OPERATING -T _I ORQUE <u>N-m</u> LB-IN	MAXIMUM DISCONNECT TORQUE <u>N-m</u> LB-IN	MAX OPERATE DEGREE/S	MIN OPERATE DEGREE/S	MAX OPERATE FREQUENCY OPS/MIN
GL**0 A GL**07A	SNAP - ACTION CONTACTS SINGLE POLE Zb	2 - 22	26° 55**° 12° DIFFERENTIAL TRA	85° > <	<u>. 330</u> 2.9	<u>. 385</u> 3. 4	1290	13	250
GL**03A GL**33A	SLOW ACTING BREAK BEFORE MAKE Zb	2 - 22 3 - 4	26**° 38°	85°	<u>. 330</u> 2.9	<u>. 385</u> 3. 4	1290	13	250
GL**04A GL**34A	SLOW ACTING MAKE BEFORE BREAK Zb	2 - 22	38**° 26°	85°	<u>. 330</u> 2 . 9	<u>. 400</u> 3.5	1290	13	250
GL**05A GL**35A	SLOW ACTING O ZX	3 - 4 23 - 24	38°	85°	<u>. 330</u> 2 . 9	<u>. 385</u> 3 . 4	1290	13	250
GL**06A GL**36A	SLOW ACTING O 2Y	- 2 2 - 22	26**°	85°	<u>. 330</u> 2.9	<u>. 385</u> 3.4	1290	13	250
GL**20A GL**22A GL**24A GL**32A	SNAP ACTION CONTACTS DOUBLE POLE	- 2, 2 -22 3- 4, 23-24	26° 55**° 12° DIFFERENTIAL TRA	85° > < AVEL	<u>. 330</u> 2. 9	<u>. 385</u> 3.4	1290	13	250
GL**2 A GL**25A GL**28A GL**3 A	STEP I SNAP ACTION CONTACTS DOUBLE POLE SEQUENCIAL	- 2 3 - 4 2 - 2 2 2 3 - 2 4	27 42 8 DIFFERENTI 8 DIFFERENTIAL TRAV	> < > < > < > < > < AL TRAVEL	<u>. 330</u> 2. 9	N / A	1290	13	250

DRAWING OL SERIES CHART 1

	CIDE DOTABY		044 5101	IDEC 0		SERIES C	CHART 1
C A T A L O G L I S T I N G	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 D OPERATING	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE	MAX OPERATE FREQUENCY OPS/MIN
GL**0 A GL**07A	SNAP - ACTION CONTACTS SINGLE POLE O Zb	0 20 56** 21-22 13-14 12 DIFFERENTIAL TRAVEL	9.72.2	11.42.6	<u>. 85</u> 33.5	8.5 .33	250
GL**03A GL**33A	SLOW ACTING BREAK BEFORE MAKE O Zb	0 20** 21-22 13-14 32	9.72.2	11.42.6	<u>. 85</u> 33 . 5	<u>8.5</u> .33	250
G L * * 0 4 A G L * * 3 4 A	SLOW ACTING MAKE BEFORE BREAK O Zb	0 32 21-22 13-14	9.72.2	11.42.6	<u>. 85</u> 33 . 5	<u>8.5</u> .33	250
GL**05A GL**35A	SLOW ACTING O 2X	0 32° 85° 13-14 23-24	9.72.2	11.42.6	<u>. 85</u> 33.5	<u>8.5</u> .33	250
GL**06A GL**36A	SLOW ACTING O 2Y	0 20** 11-12 21-22	9.72.2	11.42.6	<u>. 85</u> 33.5	<u>8.5</u> .33	250
GL**20A GL**22A GL**24A GL**32A	SNAP ACTION CONTACTS DOUBLE POLE	0 20 56** 11-12, 21-22 13-14, 23-24 12 DIFFERIENTIAL TRAVEL	9.72.2	<u>11.8</u> 2.7	<u>. 85</u> 33 . 5	<u>8.5</u> .33	250
GL**2 A GL**25A GL**28A GL**3 A	STEP SNAP ACTION CONTACTS DOUBLE POLE SEQUENCIAL	21-22	9.72.2	N / A	<u>. 85</u> 33.5	<u>8.5</u> .33	250
	0						

/ 8 DIFFERENTIAL TRAVEL 8 DIFFERENTIAL TRAVEL

SNAP ACTION CONTACTS DOUBLE POLE CENTER NEUTRAL

ANSI YI4.5M-1982 APPLIES

GL**26J GL**27J GL**29J GL**30J

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CATALOG LISTING

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A PRIVIO DESIGN UNITS

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