

DUAL ENTRY SOLENOID KEY OPERATED SAFETY INTERLOCK NOMENCLATURE

GK

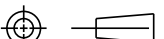
GK

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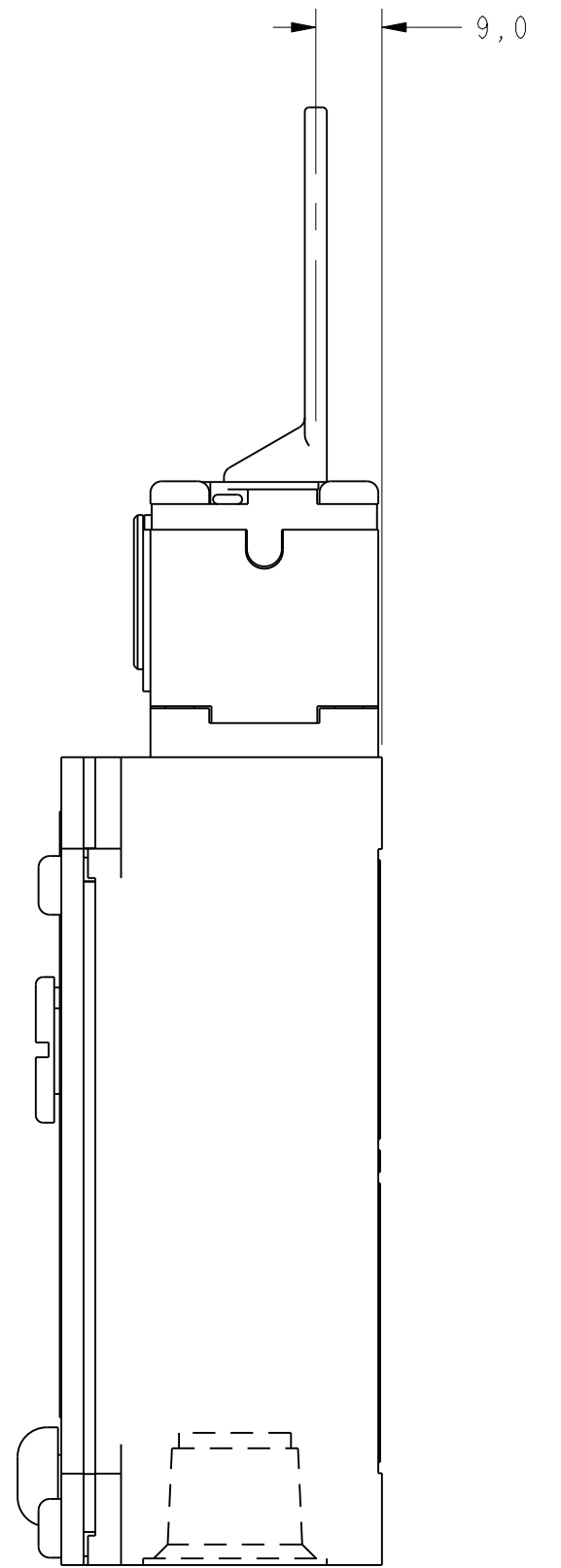
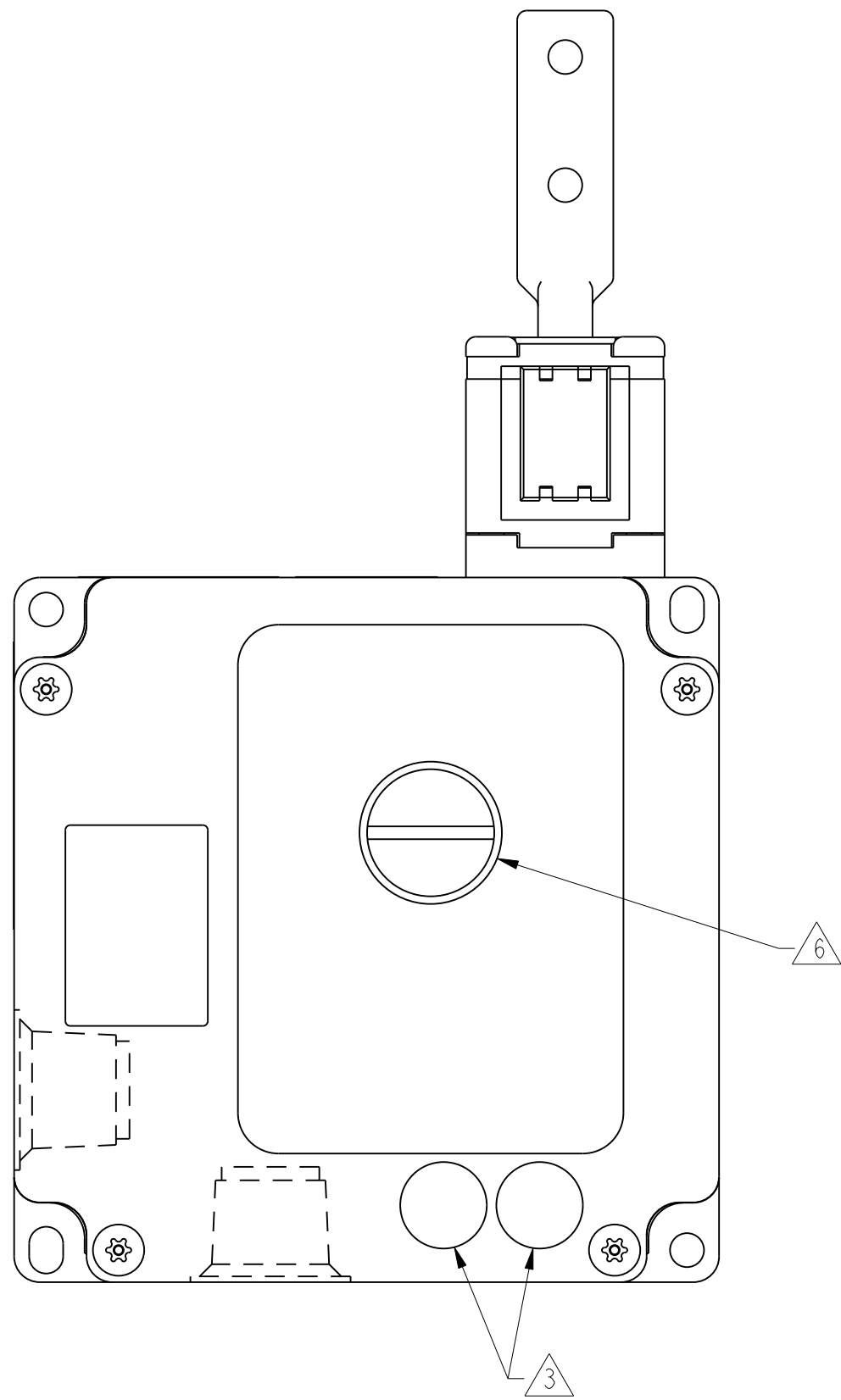
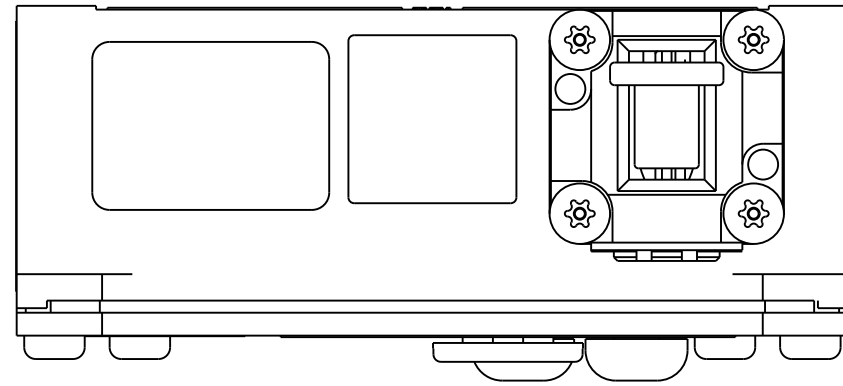
NOTES

- 1 - ZINC DIECAST BODY AND HEAD WITH STEEL COVER. BODY, HEAD AND COVER FINISHED WITH EPOXY PAINT
- 2 - PROVIDED WITH PLASTIC SNAP FIT COVER TO PLUG UNUSED KEY ENTRY WINDOW
- 3 THE LEFT INDICATOR IS GREEN AND THE RIGHT INDICATOR IS RED. NOT PRESENT ON BODY/INDICATOR CODES F OR G
- 4 - MAXIMUM OPERATING FREQUENCY (Fmax) = 100 OPS/MIN
- 5 - INSERTION FORCE = 35 N
8 LB
EXTRACTION FORCE = 28 N
6 LB
MAXIMUM SOLENOID LOCKING FORCE = 1000 N
224 LB
- 6 ROTATE 1/4 TURN CLOCKWISE TO UNLOCK DEVICES WITH HEAD TO LEFT, SOLENOID UNLOCK AND DEVICES WITH HEAD TO RIGHT, SOLENOID LOCK. ROTATE 1/4 TURN COUNTERCLOCKWISE TO UNLOCK DEVICES WITH HEAD TO LEFT, SOLENOID LOCK AND DEVICES WITH HEAD TO RIGHT, SOLENOID UNLOCK.
- 7 NOT PRESENT ON TYPE/OVER-RIDE CODES B OR T
- 8 SWITCH MUST OPERATE BEFORE REACHING MINIMUM INSERTION DISTANCE
- 8 - T-15 TAMPERPROOF TORX DRIVER BIT PROVIDED
- 9 ELECTRICAL RATINGS ARE FOR BASIC SWITCHES
- 10 - MINIMUM SOLENOID VOLTAGE = 80% DC / 85% AC OF RATED VOLTAGE
MAXIMUM SOLENOID VOLTAGE = 110% OF RATED VOLTAGE
SOLENOID POWER = 12 WATTS NOMINAL
- 11 SEE PAGES 10, 11, 12 AND 13 FOR CIRCUIT DIAGRAMS
- 12 - NO CHANGES CAN BE MADE TO THIS DRAWING WITHOUT JOINT FREEPORT / NEWHOUSE APPROVAL
- 3 THE LEFT INDICATOR IS YELLOW AND THE RIGHT INDICATOR IS RED
- 5 10-PIN CONNECTOR, BRAD HARRISON PART NO.3R1006AZIF010 OR EQUIVALENT
- 6 4-PIN CONNECTOR, WOODHEAD PART NO.80599-19 OR MOLEX PART NO.08631M21 OR EQUIVALENT
- 7 5-PIN CONNECTOR, BRAD HARRISON PART NO.41310 OR EQUIVALENT
- 8 CONNECTOR INSTALLED IN BOTTOM CONDUIT HOLE
- 9 CONNECTOR INSTALLED IN SIDE CONDUIT HOLE
- 20 "S" MARK APPROVAL APPLICABLE ONLY FOR GKLE44XXXX,GKLE46XXXX,GKRE44XXXX AND GKRE46XXXX SERIES ONLY

ELECTRICAL RATING 				ENVIRONMENTAL RATINGS		APPROVALS    IEC 947-5-1 EN60947-5-1  
AC		DC		IP68 NEMA 1, 4, 6P, 12 & 13		
A300	AC 15	Q300	DC 13	TEMP RANGE -25°C TO 40°C		
Ue	Ie	Ue	Ie	-13°F TO 104°F		
(VOLTS)	(AMPS)	(VOLTS)	(AMPS)	STORAGE -40°C TO 120°C		
120	6	24	2.9	-40°F TO 248°F		
240	3	125	.55	SHOCK: 50G PER IEC 68-2-27		
		250	.27	VIBRATION: 10G PER IEC 68-2-6		
Ith = 10 A						

THIRD ANGLE PROJECTION			
			
SCALE		NTS	
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 1			
DIM		TOL	
mm		mm/16	
NO PLACES	1/4	1/8	0.81/0.03
ONE PLACE	x.x	0.147/0.016	0.381/0.015
TWO PLACES	x.xx	0.254/0.008	0.508/0.005
THREE PLACES			
ANGLES			
SI METRIC		US CUSTOMARY	
DESIGN UNITS ☒		DESIGN UNITS ☐	
WEIGHT 1,5 kg		3,3 LB	

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 - DOOR INTERLOCK	
MICRO SWITCH a Honeywell Division		GK SERIES CHART 4	



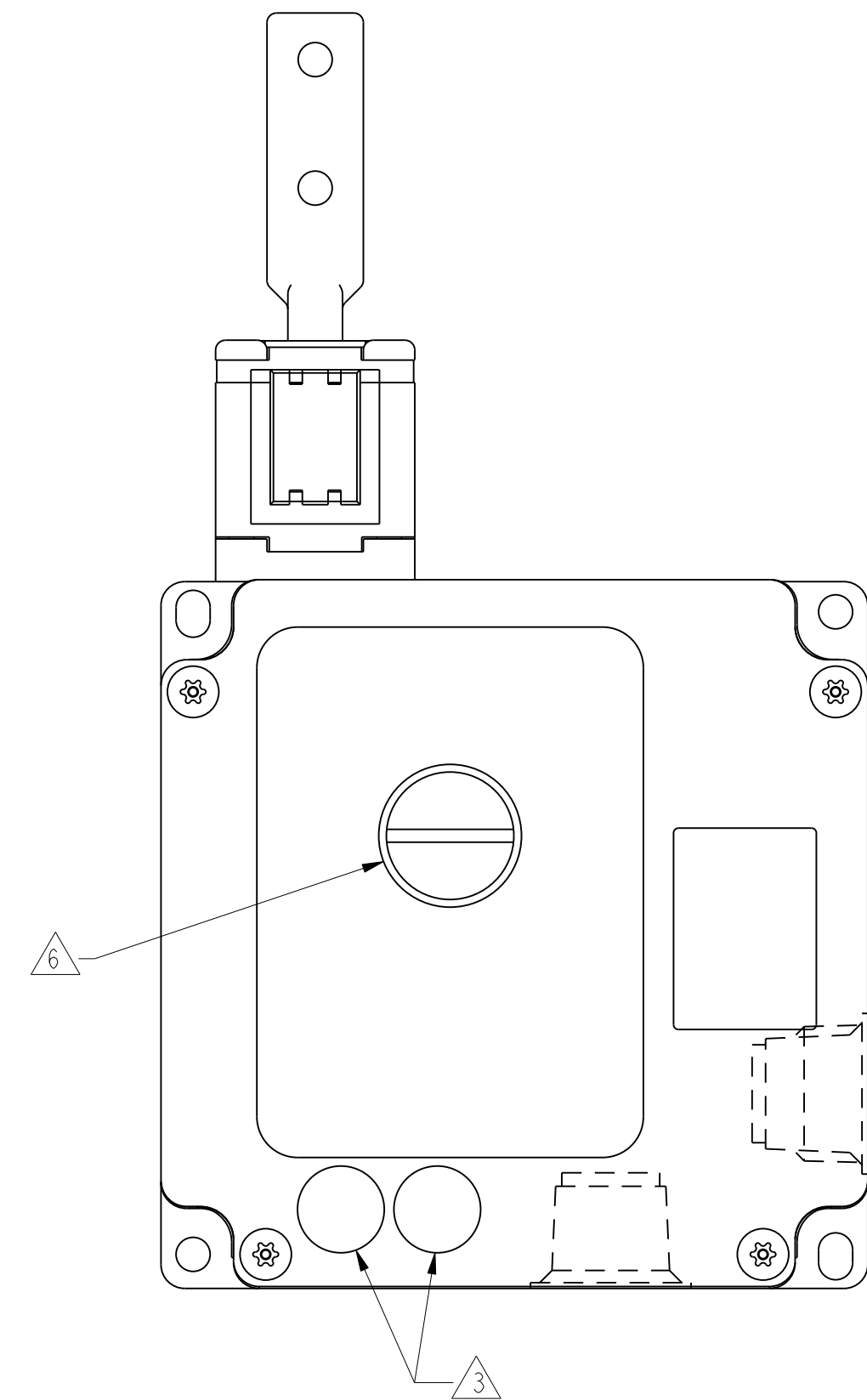
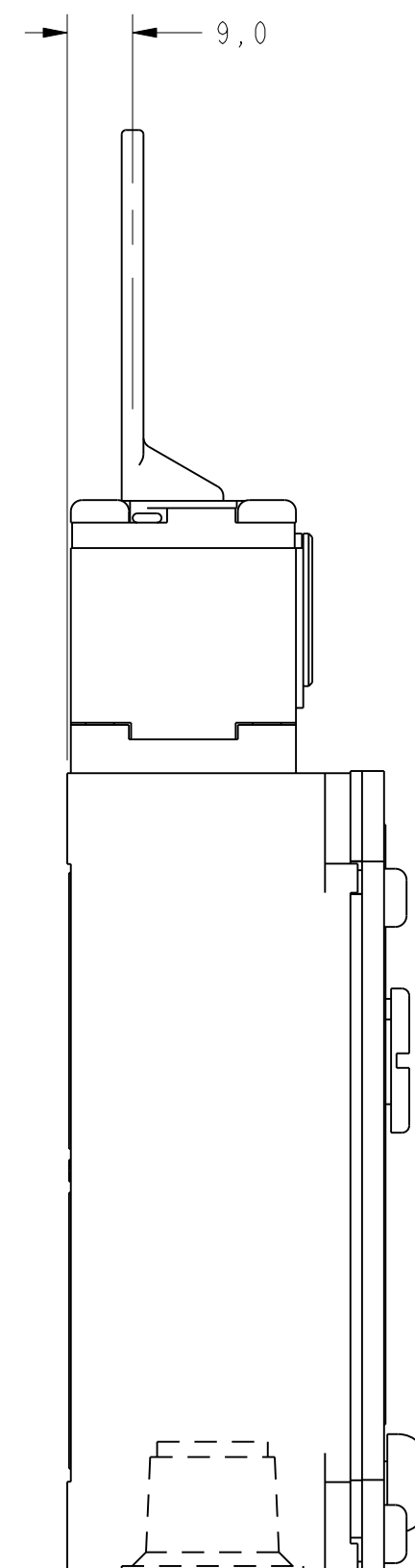
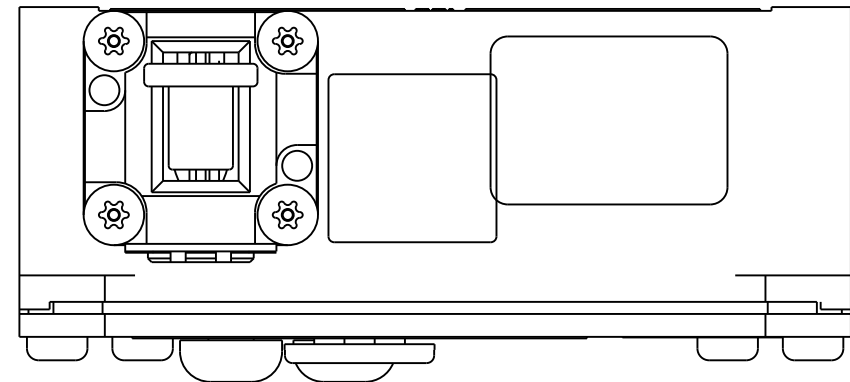
TOP KEY ENTRY

FRONT KEY ENTRY

BODY / INDICATOR CODES R OR G

[illegible]

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FED. MFG. CODE 91929		CATALOG LISTING				<table><tr><td colspan="2">DIM.</td><td colspan="2">TOL.</td><td colspan="2">DIM.</td><td colspan="2">TOL.</td></tr><tr><td>NO PLACES</td><td>X</td><td>1/4</td><td></td><td>1.6</td><td></td><td>0.010</td><td></td></tr><tr><td>ONE PLACE</td><td>X, X</td><td>0.47</td><td>0.010</td><td>1.00</td><td></td><td>0.380</td><td>0.010</td></tr><tr><td>TWO PLACES</td><td>X, X</td><td>0.15</td><td>0.010</td><td>1.00</td><td></td><td>0.130</td><td>0.005</td></tr><tr><td>THREE PLACES</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>ANGLES</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>				DIM.		TOL.		DIM.		TOL.		NO PLACES	X	1/4		1.6		0.010		ONE PLACE	X, X	0.47	0.010	1.00		0.380	0.010	TWO PLACES	X, X	0.15	0.010	1.00		0.130	0.005	THREE PLACES								ANGLES							
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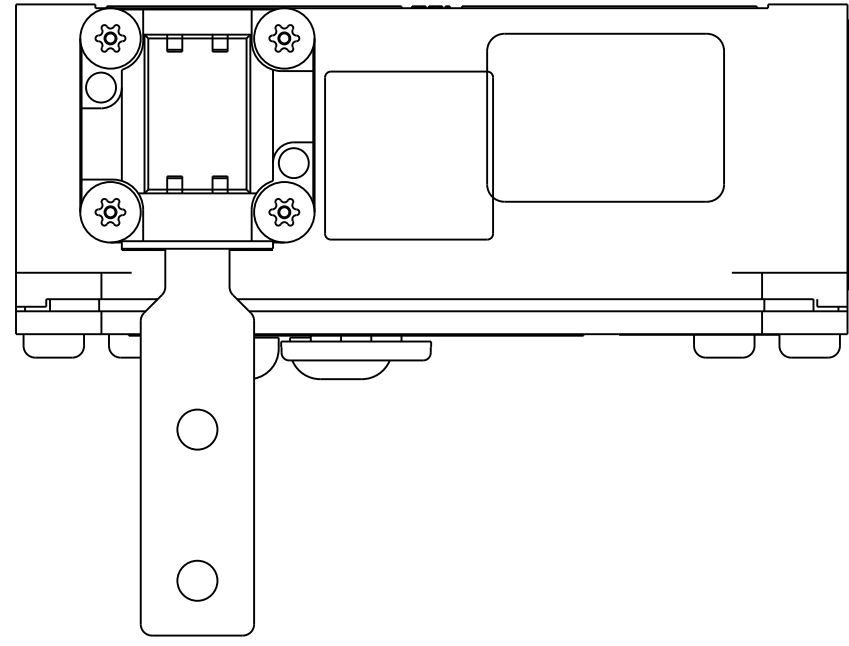


TOP KEY ENTRY

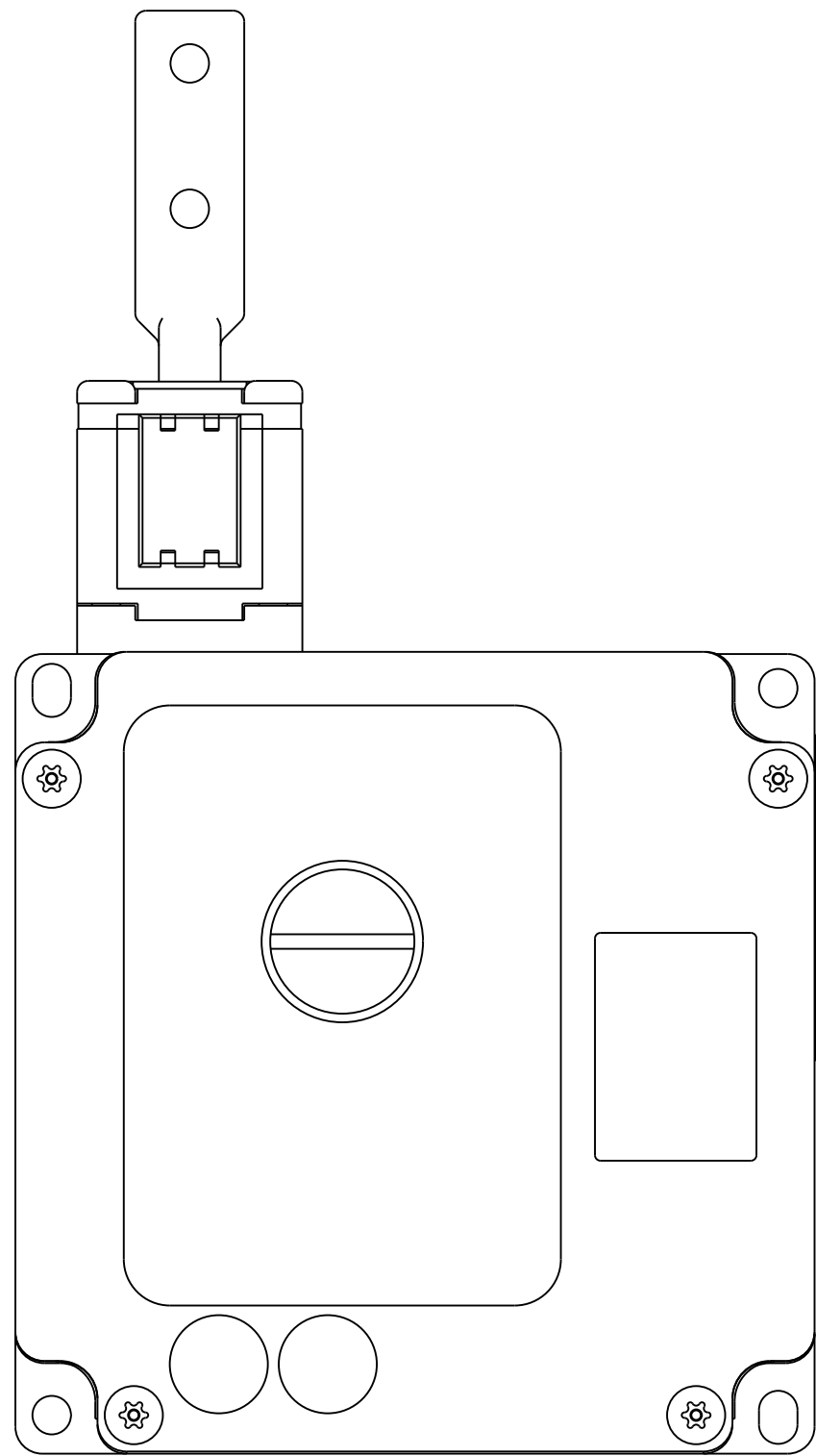
FRONT KEY ENTRY

BODY / INDICATOR CODES L OR F

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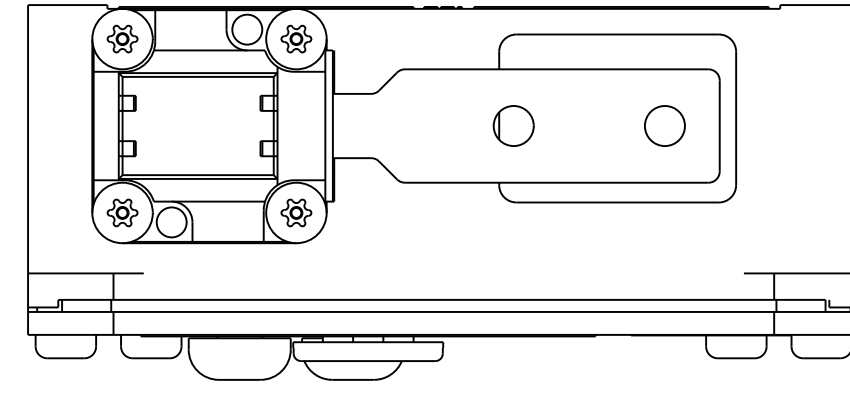
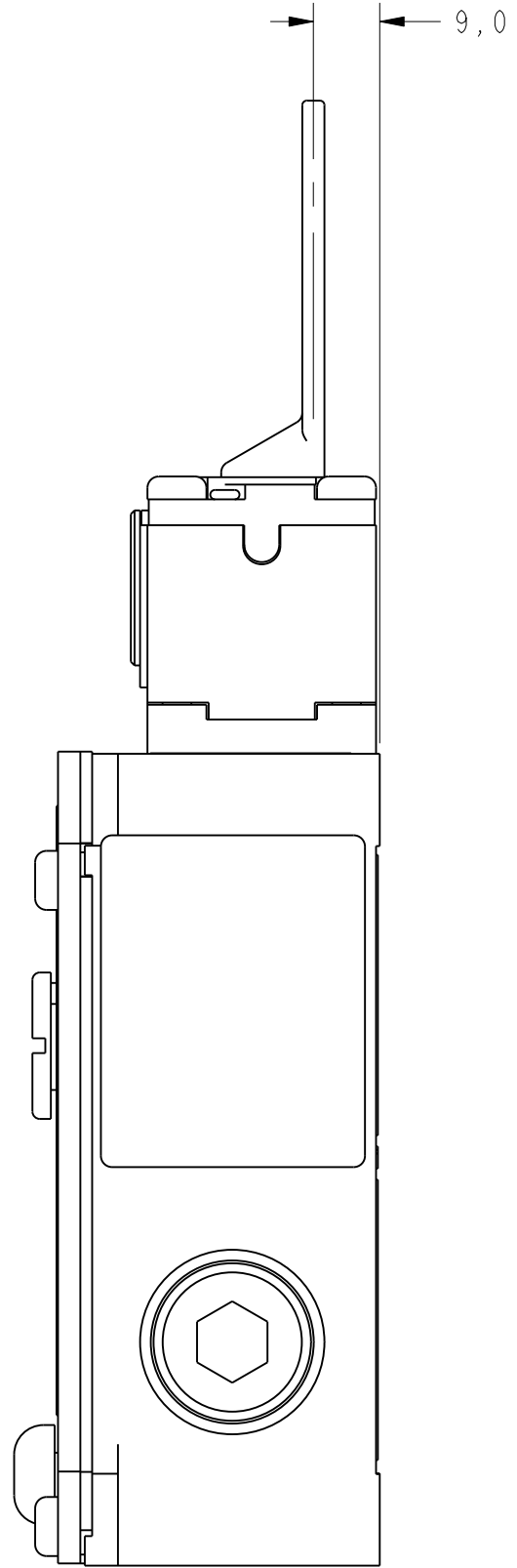


WITH KEY IN FRONT ENTRY POSITION

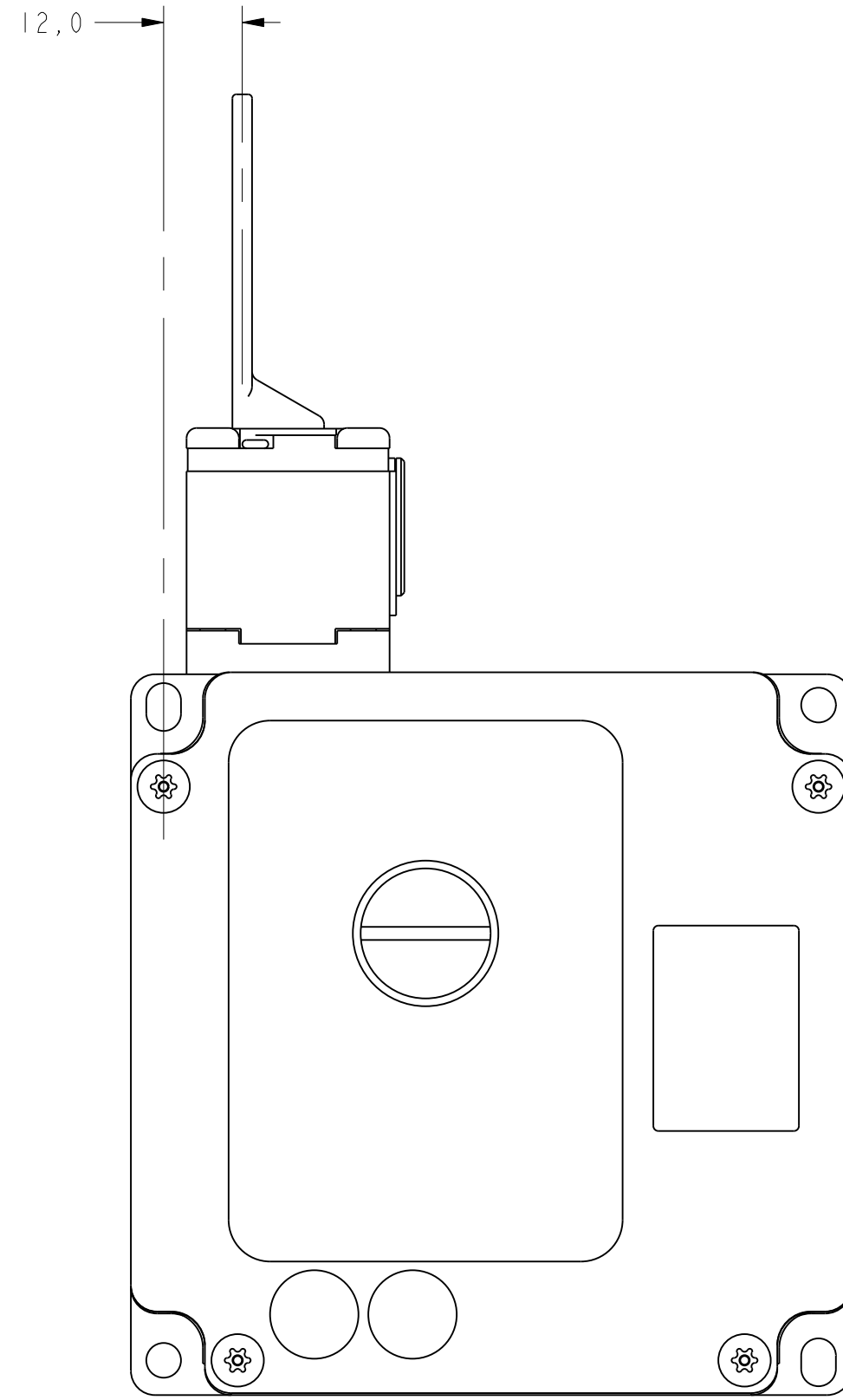


WITH KEY IN TOP ENTRY POSITION

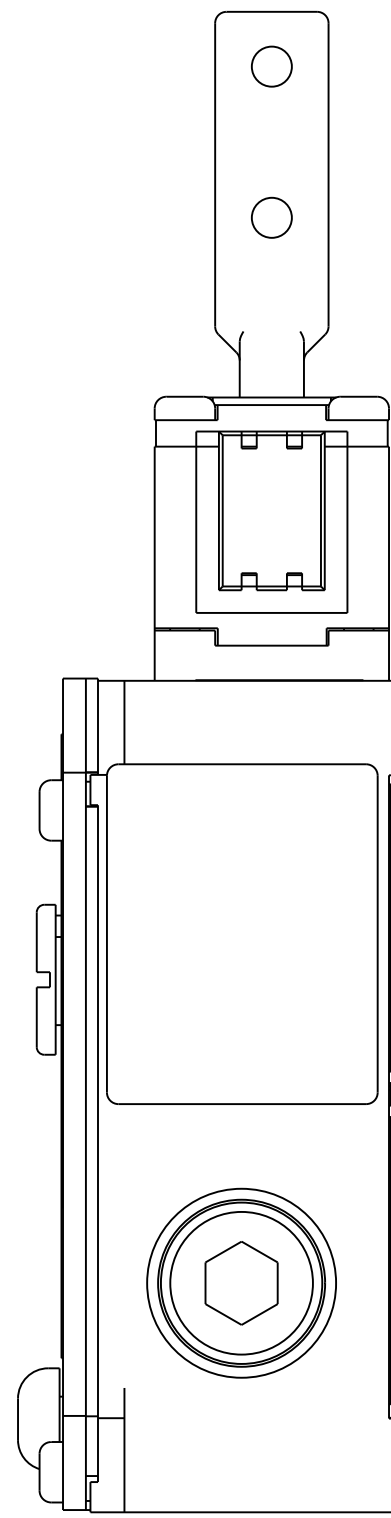
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100	100	100



WITH KEY IN FRONT ENTRY POSITION

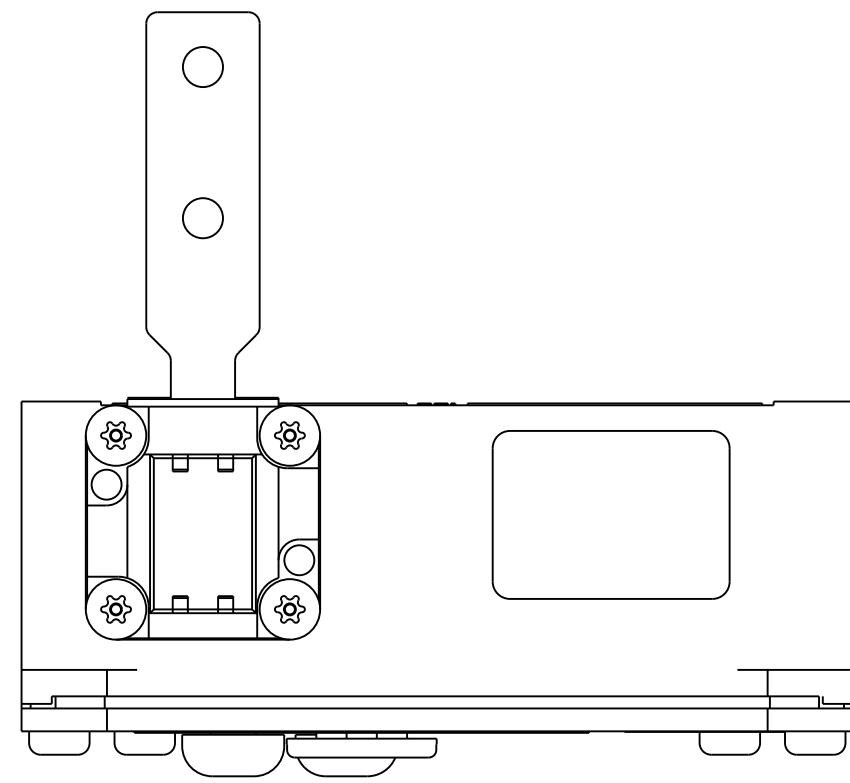


WITH KEY IN TOP ENTRY POSITION

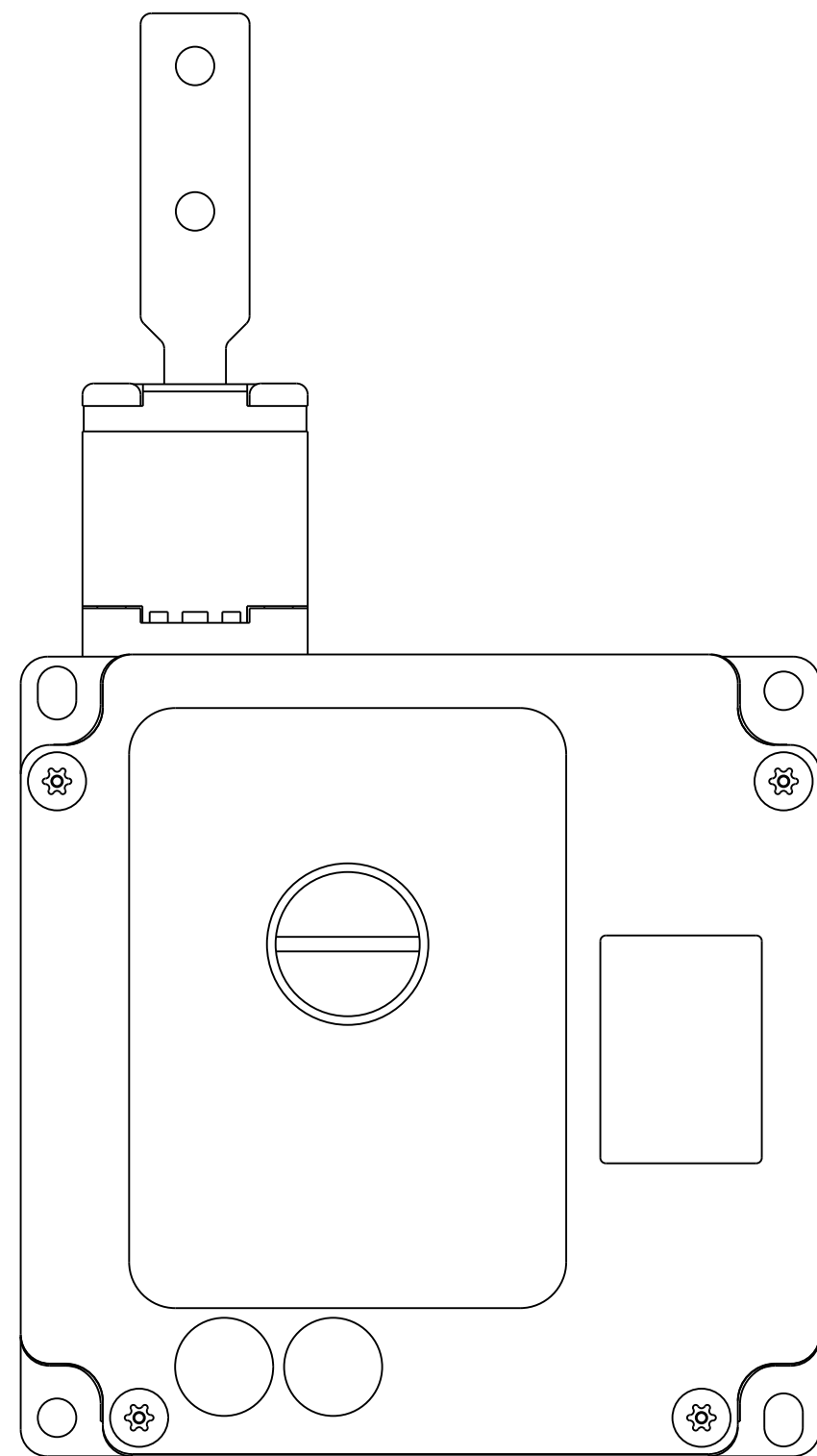


PTC/CAD 3D		DRAWN		MAN		28SEP98		ENGR		SAV		12MAY99		ENGR		PRS		04FEB99		ENGR		N 0047583		REVISONS		ISSUE 62		DRAWING NUMBER		M		GK SERIES CHART 4		PAGE 4 OF 16		RELEASE NO. PR-23758		REPLACES -	
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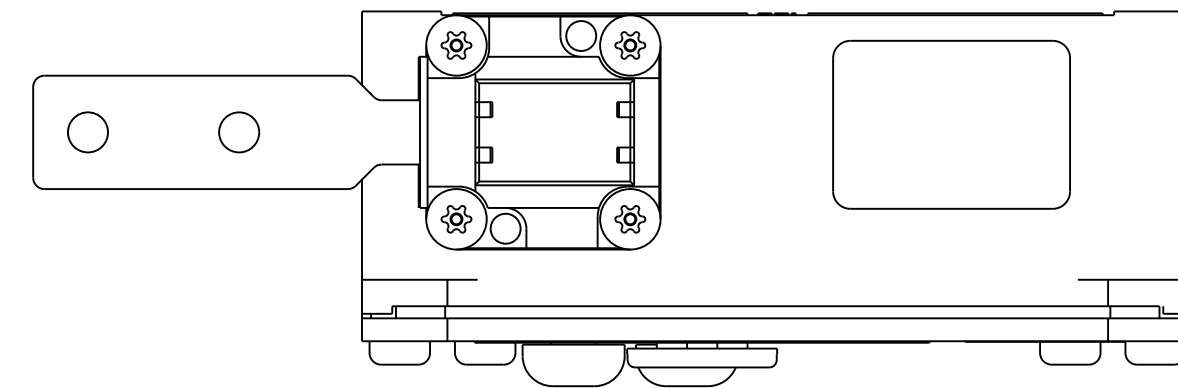
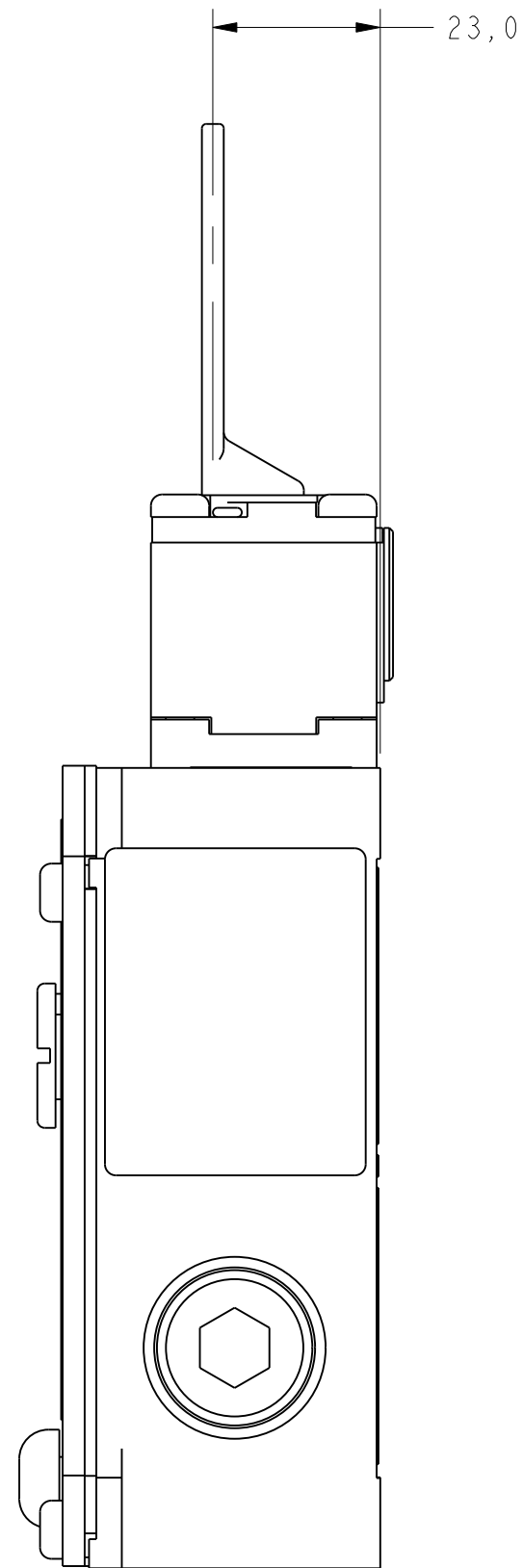


WITH KEY IN FRONT ENTRY POSITION

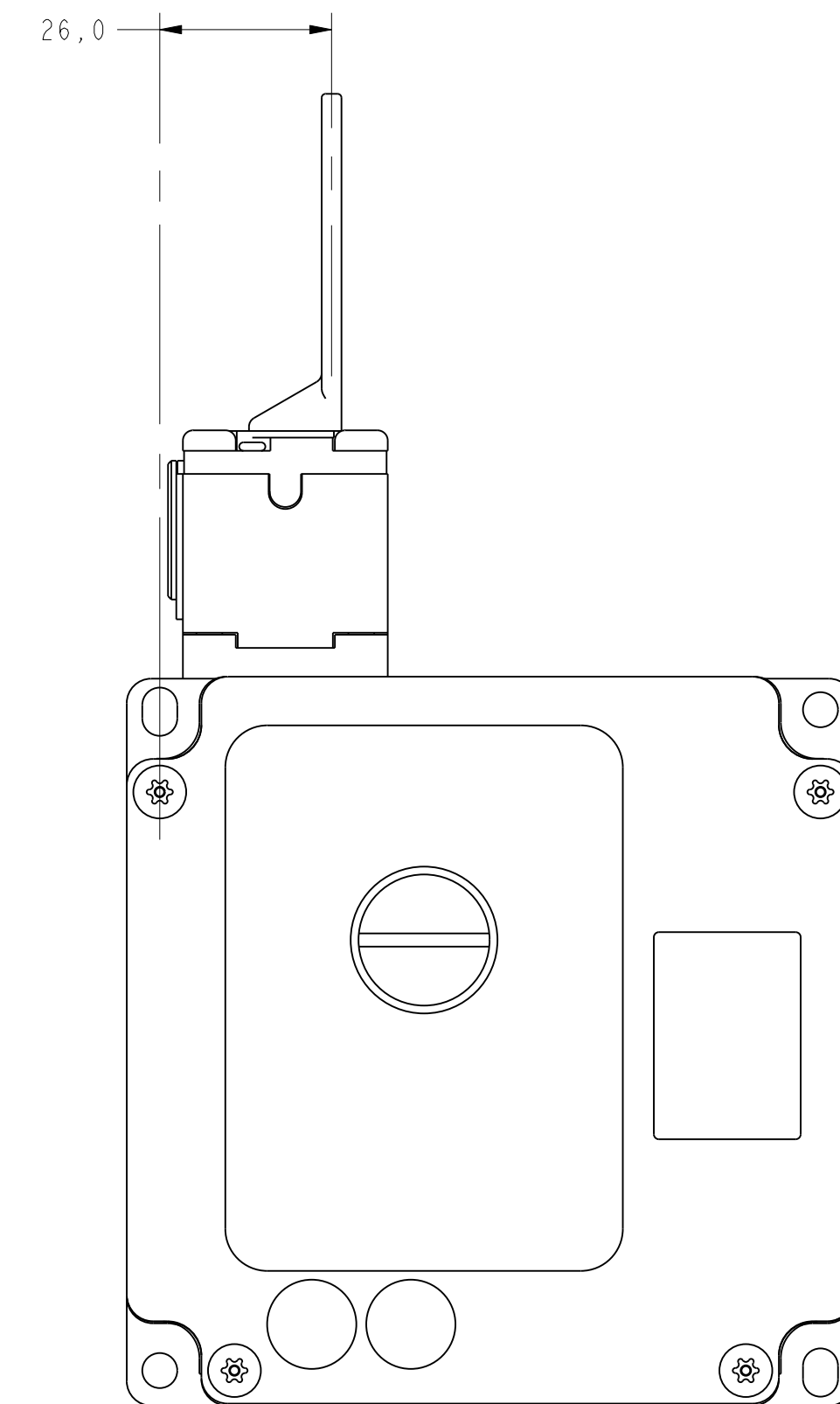


WITH KEY IN TOP ENTRY POSITION

HEAD CODE N



WITH KEY IN FRONT ENTRY POSITION



WITH KEY IN TOP ENTRY POSITION

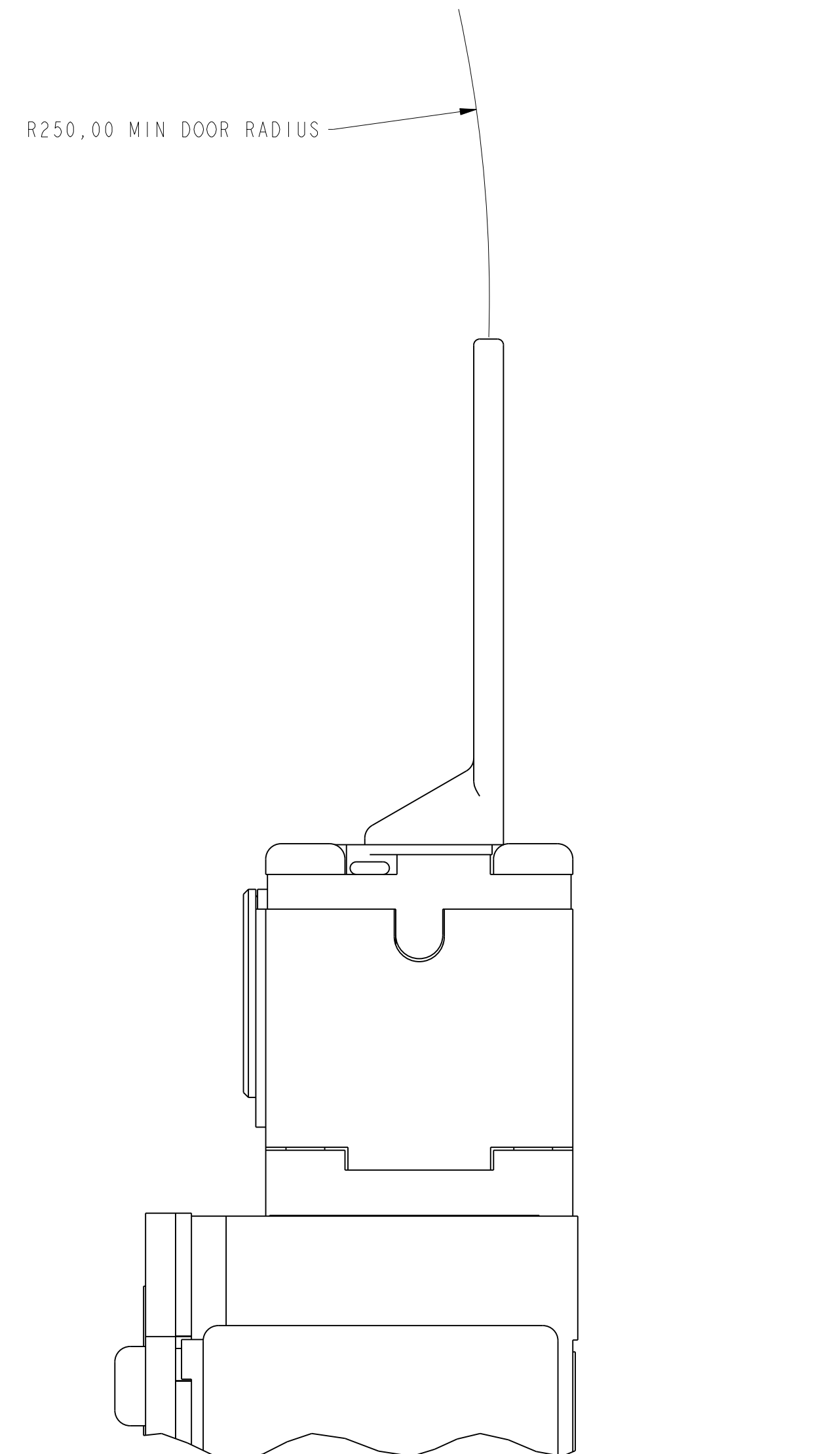
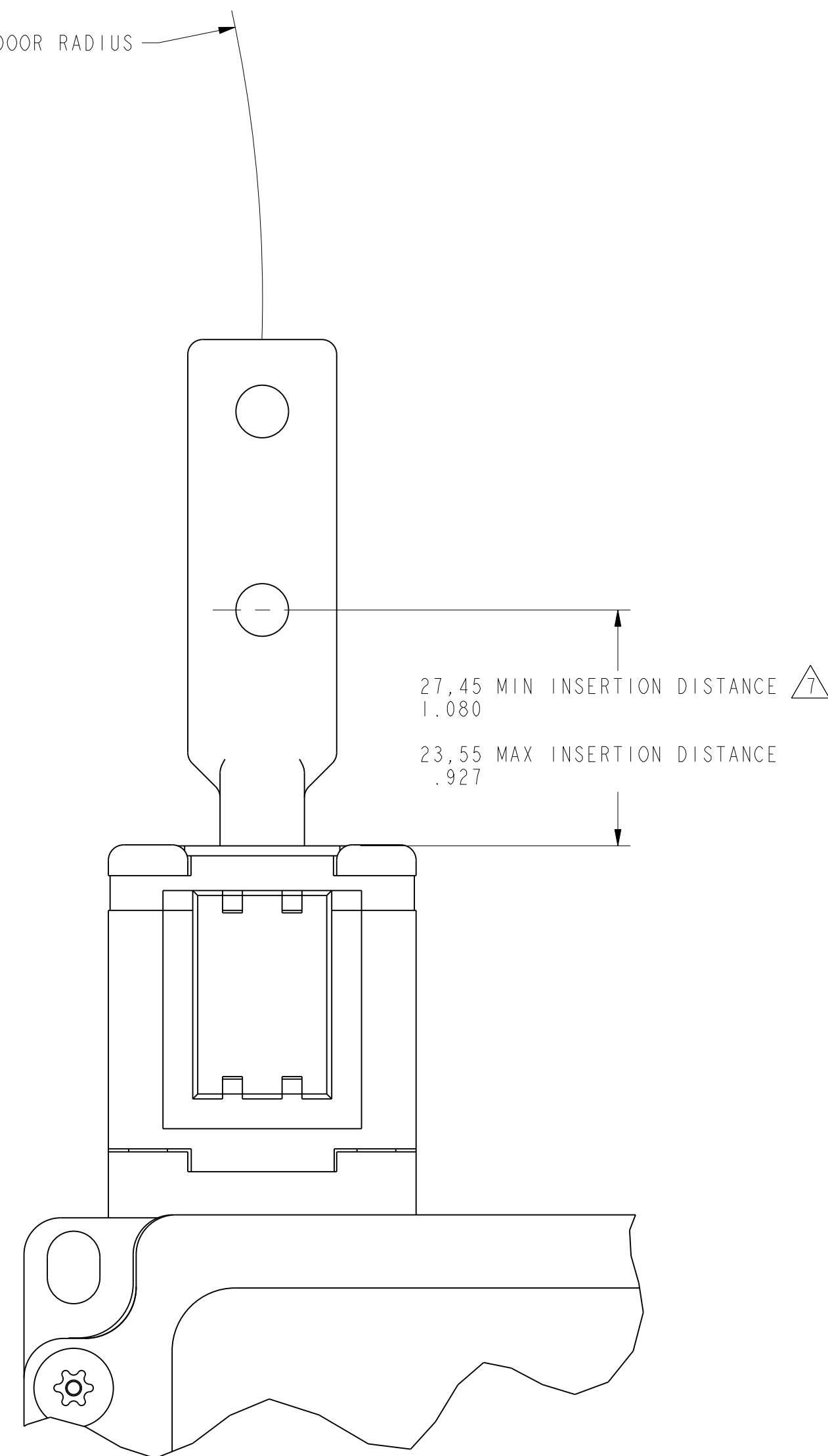
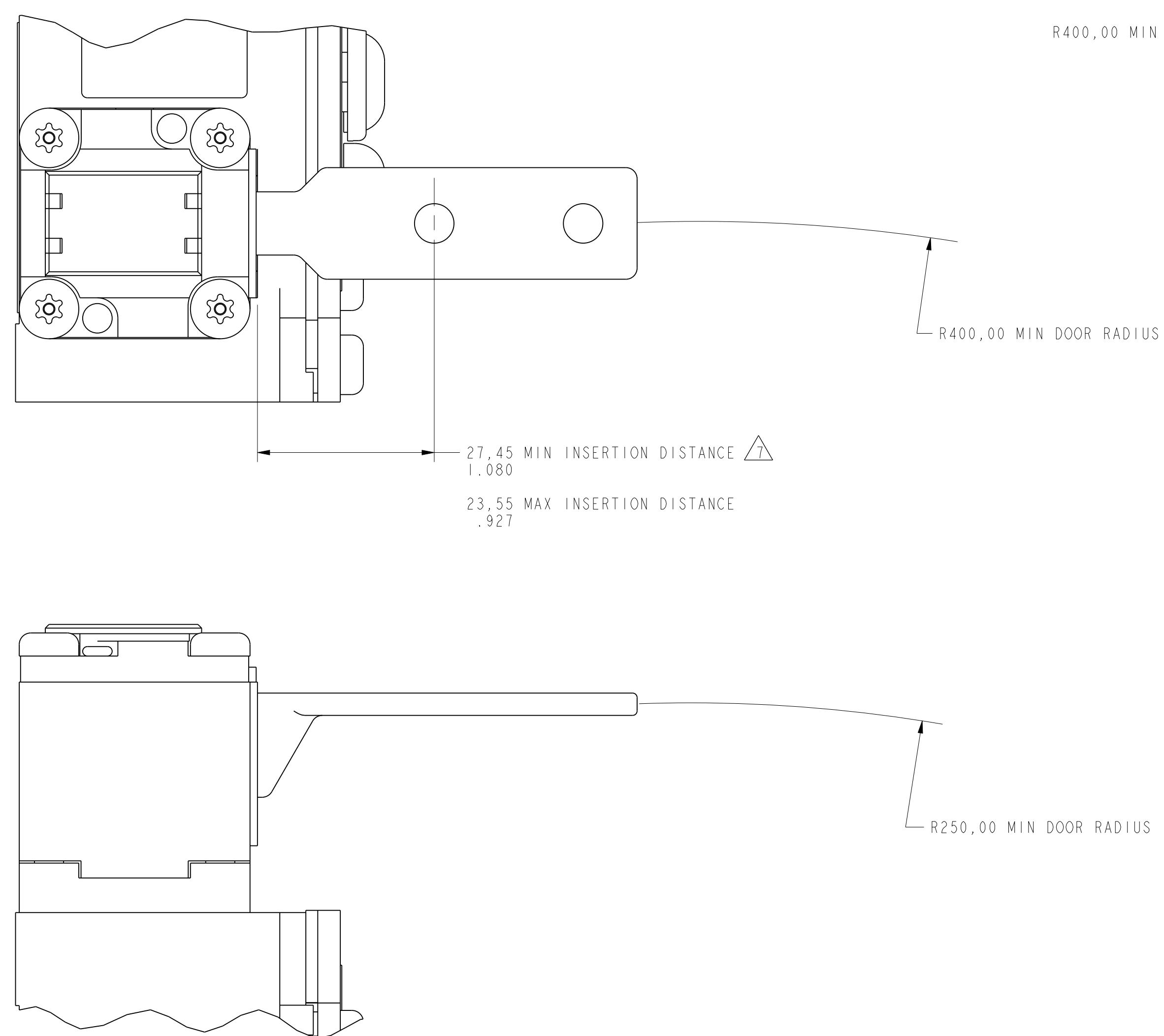
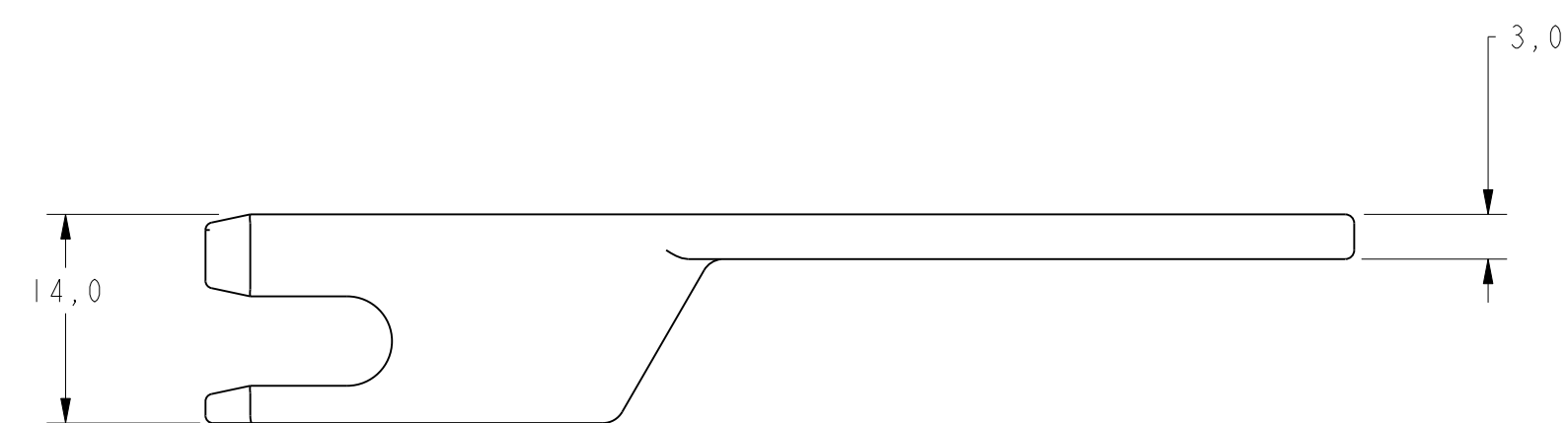
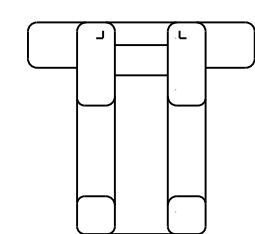
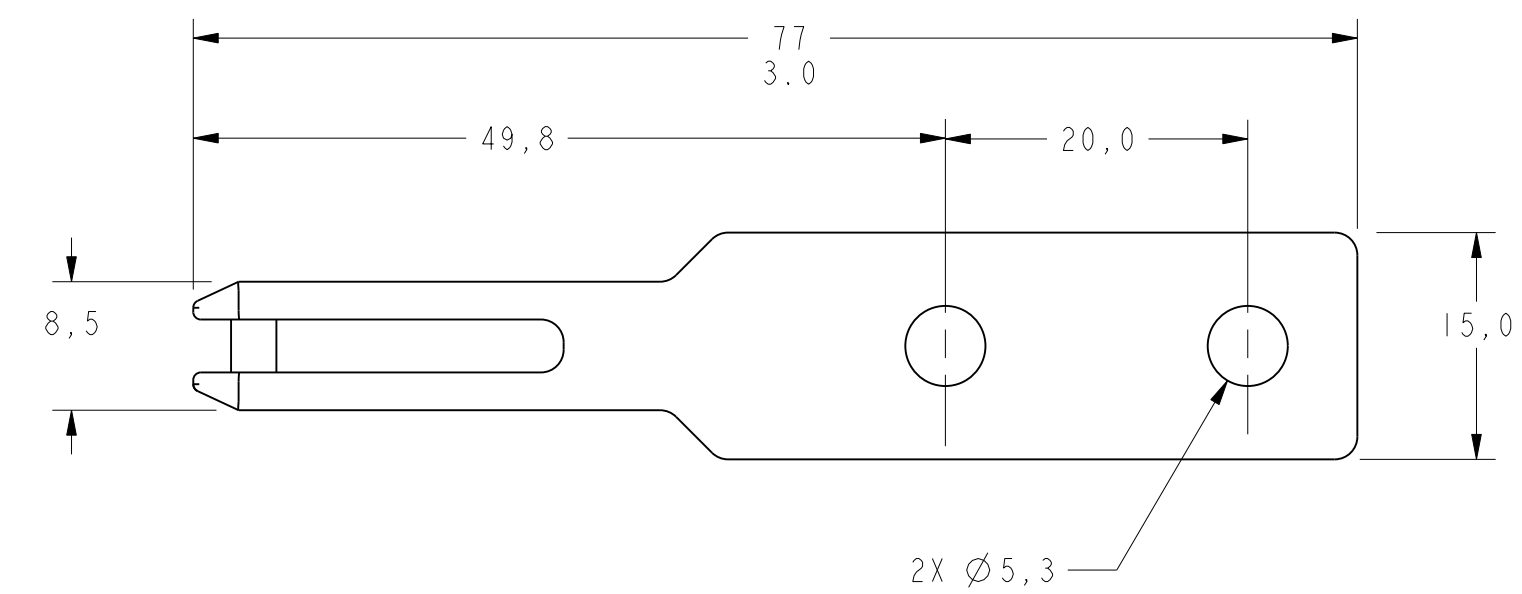
HEAD CODE P

[illegible]

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GK SERIES CHART 4

KEY CODE 6

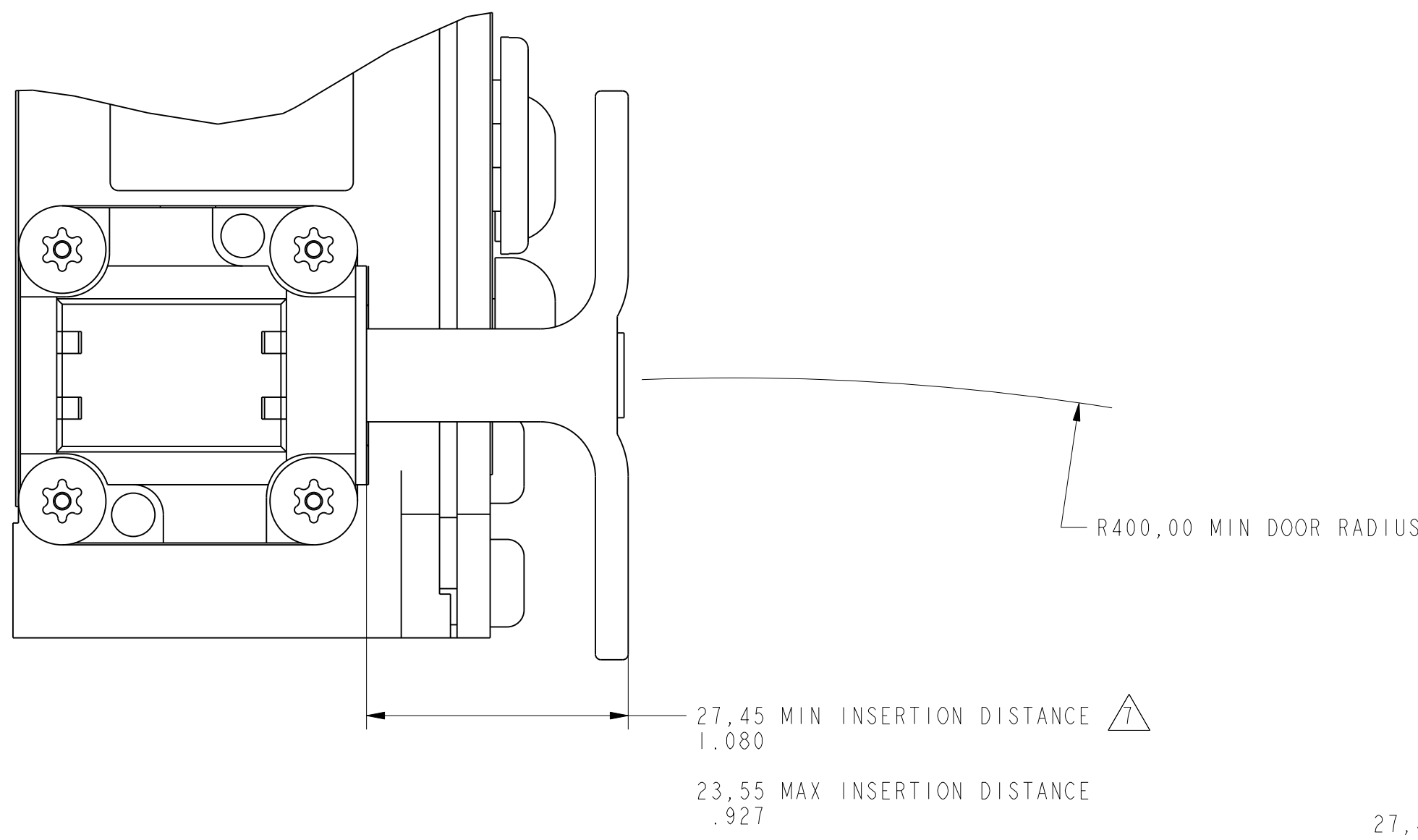


FRONT KEY ENTRY

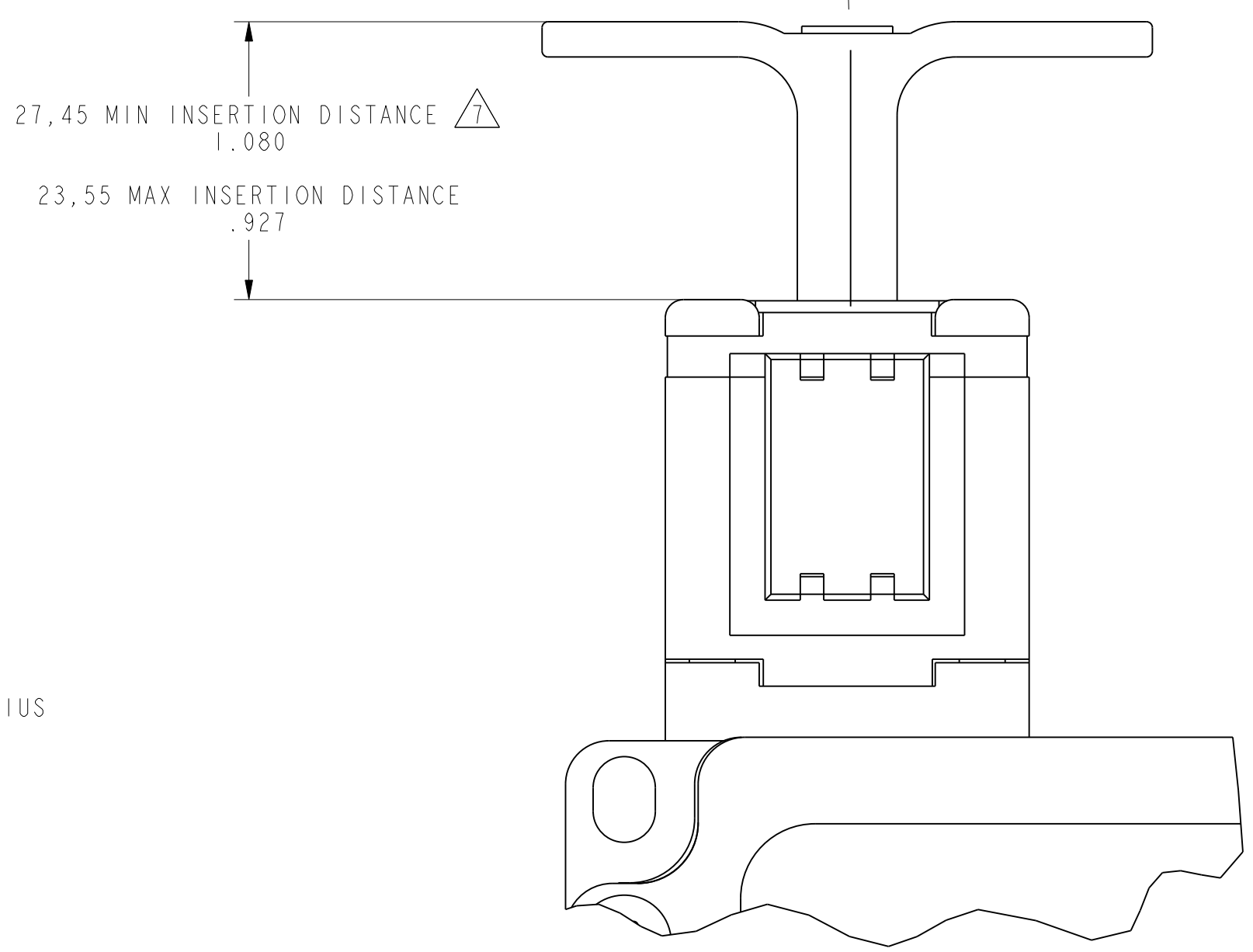
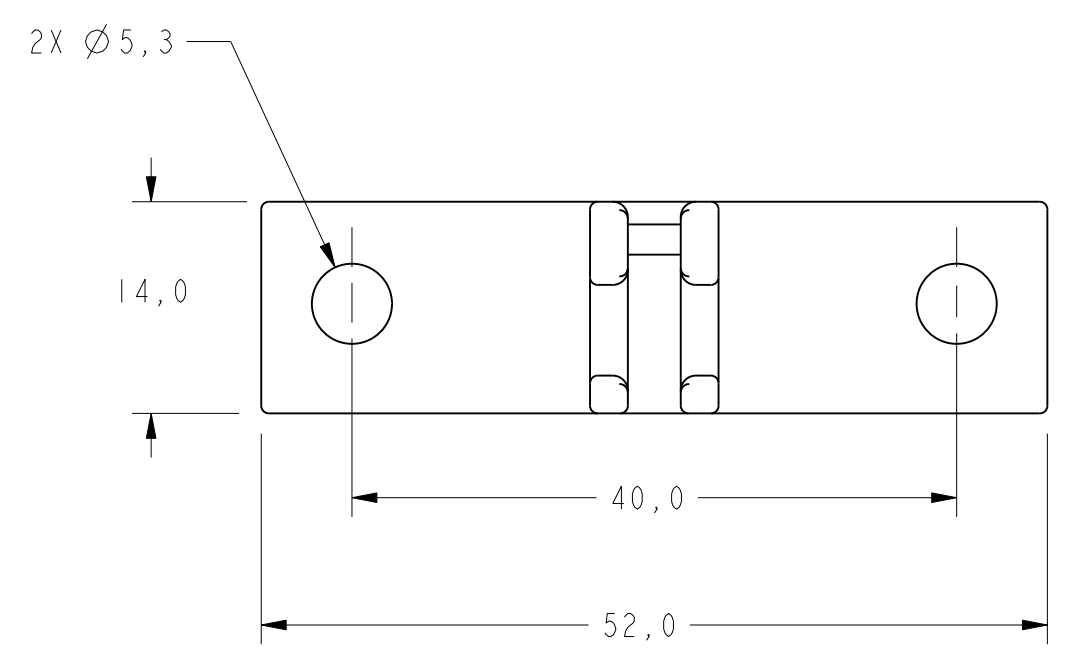
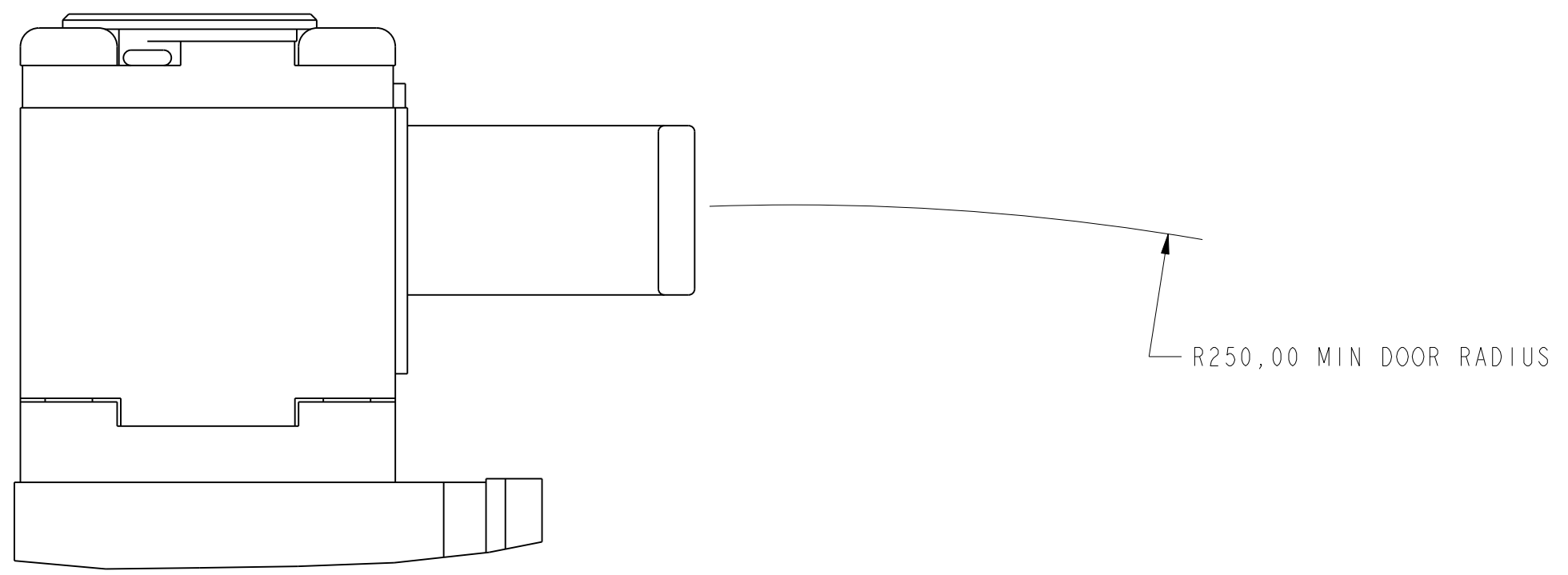
TOP KEY ENTRY

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FED. MFG. CODE #1929		CATALOG LISTING		<table><tr><td>SW</td><td>TOL</td><td>SW</td><td>TOL</td></tr><tr><td>1/2"</td><td>±.004</td><td>1/2"</td><td>±.004</td></tr><tr><td>1/4"</td><td>±.002</td><td>1/4"</td><td>±.002</td></tr><tr><td>3/16"</td><td>±.001</td><td>3/16"</td><td>±.001</td></tr></table>		SW	TOL	SW	TOL	1/2"	±.004	1/2"	±.004	1/4"	±.002	1/4"	±.002	3/16"	±.001	3/16"	±.001
SW	TOL	SW	TOL																		
1/2"	±.004	1/2"	±.004																		
1/4"	±.002	1/4"	±.002																		
3/16"	±.001	3/16"	±.001																		
MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK		GK SERIES CHART 4																	
				<table><tr><td>NO PLACES</td><td>X</td><td>1/2.24</td><td>1.2</td><td>0.81/03</td></tr><tr><td>TWO PLACES</td><td>X</td><td>0.47/006</td><td>1.2</td><td>0.38/010</td></tr><tr><td>THREE PLACES</td><td>X</td><td>0.157/006</td><td>1.300</td><td>0.197/005</td></tr><tr><td>ANGLES</td><td></td><td></td><td></td><td></td></tr></table>		NO PLACES	X	1/2.24	1.2	0.81/03	TWO PLACES	X	0.47/006	1.2	0.38/010	THREE PLACES	X	0.157/006	1.300	0.197/005	ANGLES
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ANGLES																					
				DESIGN UNITS: <table><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																
				WEIGHT 1.5 KG / 3.3 LB																	

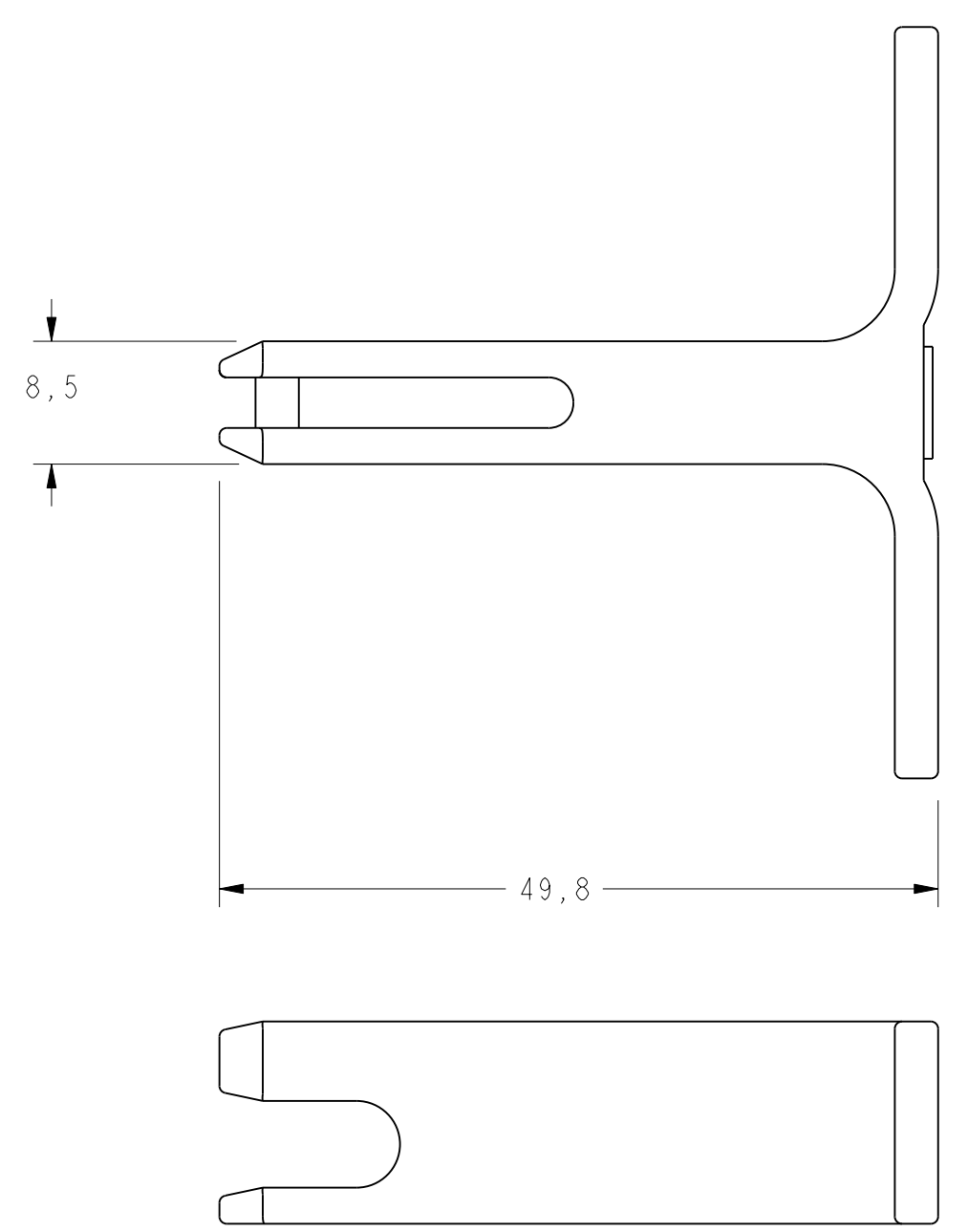
KEY CODE 7



FRONT KEY ENTRY



TOP KEY ENTRY



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FED. MFG. CODE 91929		CATALOG LISTING	
MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK	
GK SERIES CHART 4		DESIGN UNITS	
SI METRIC ☒		US CUSTOMARY ☐	
WEIGHT 1,5 KG / 3,3 LB			

KEY CODE 8

18,5

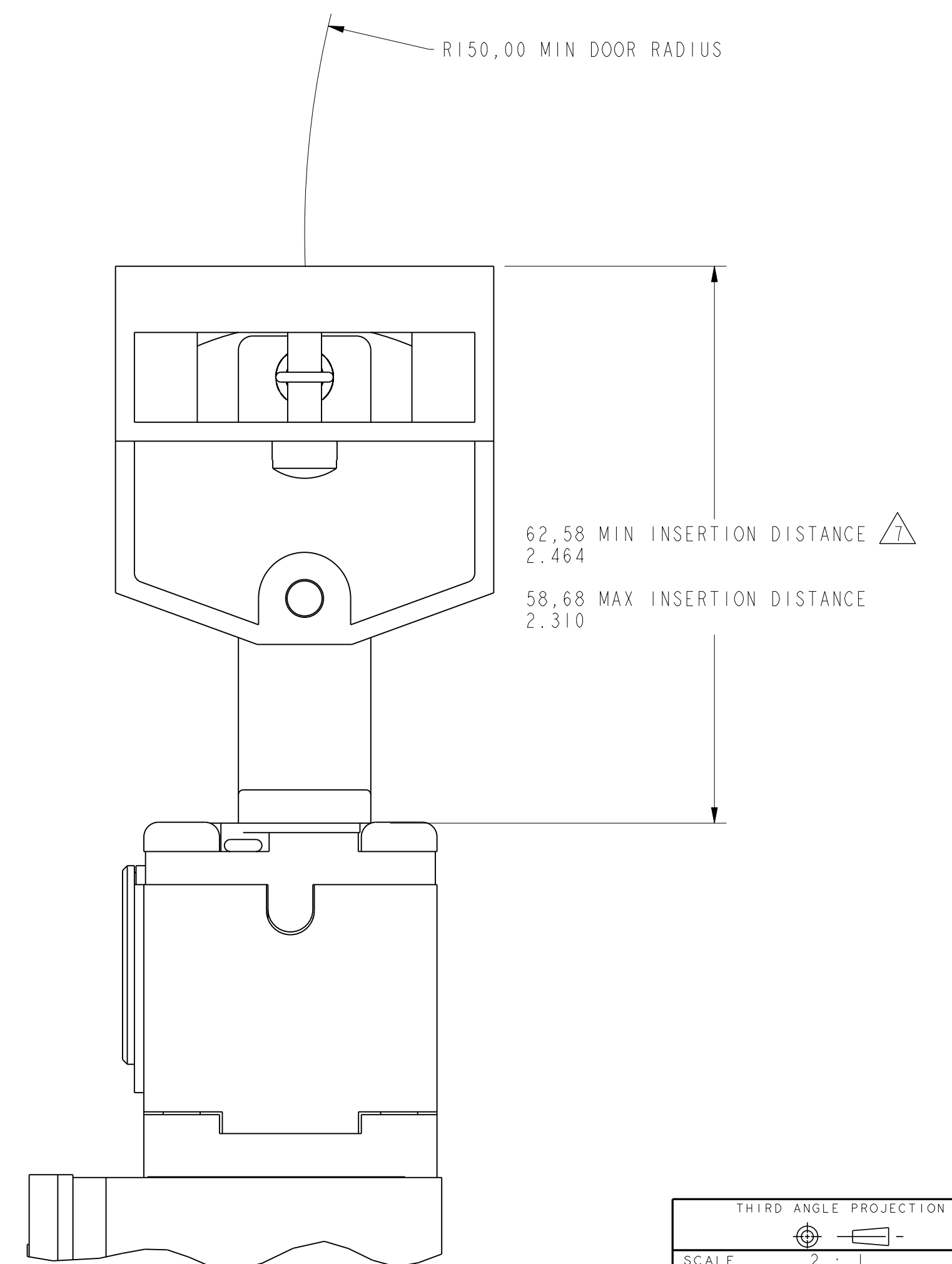
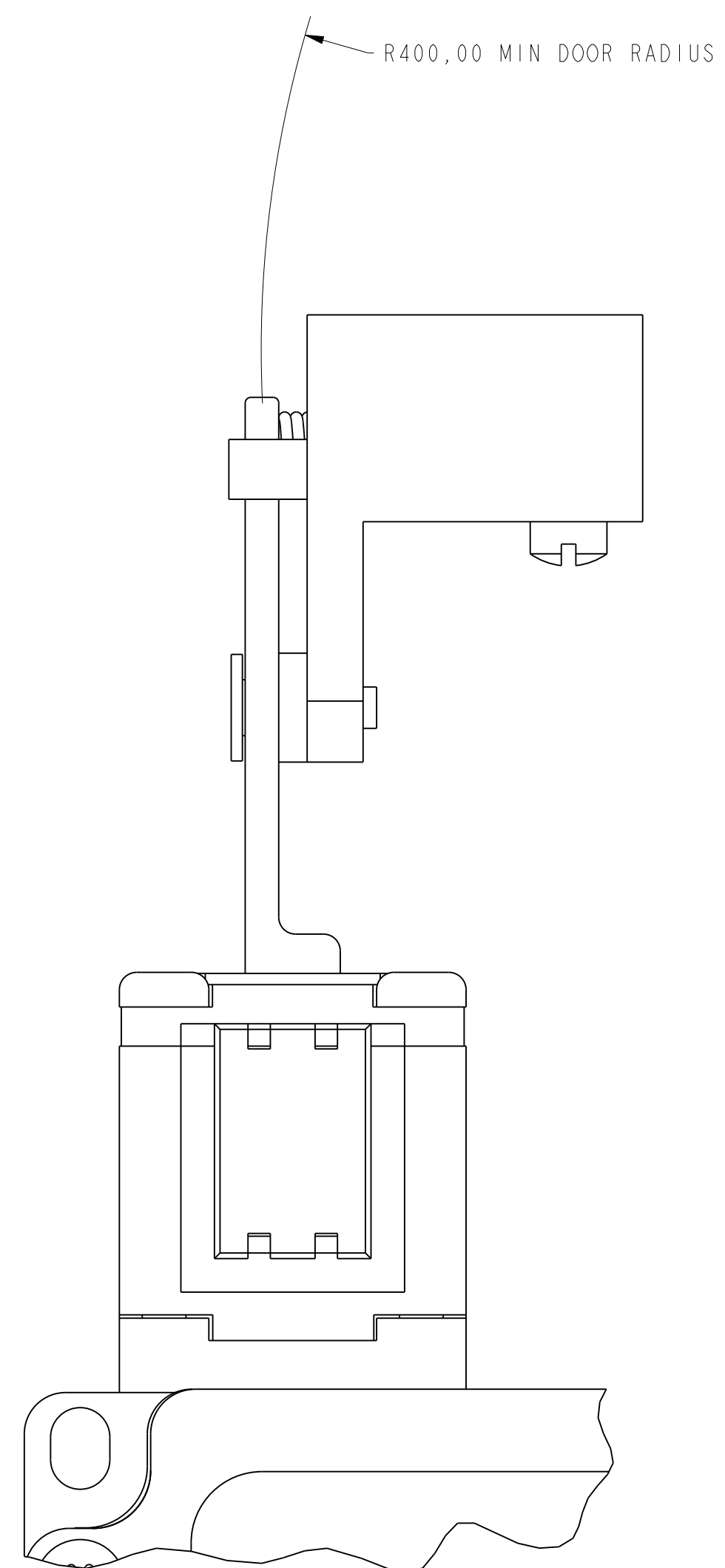
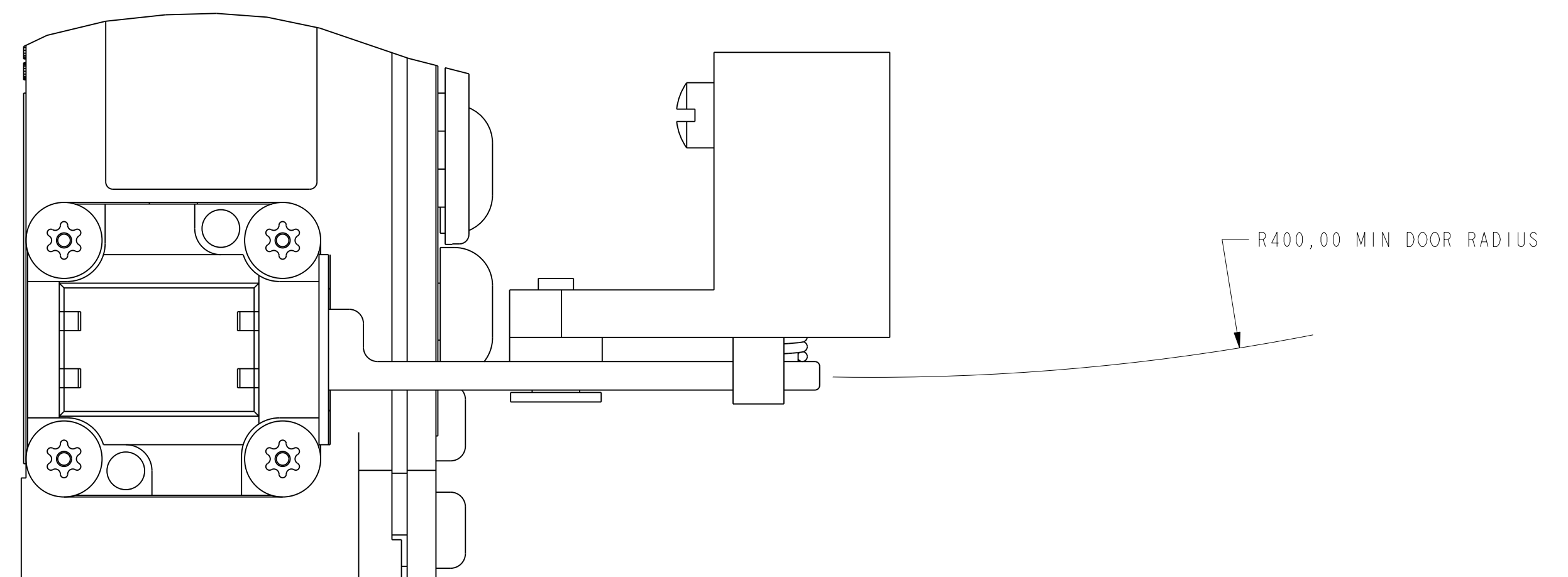
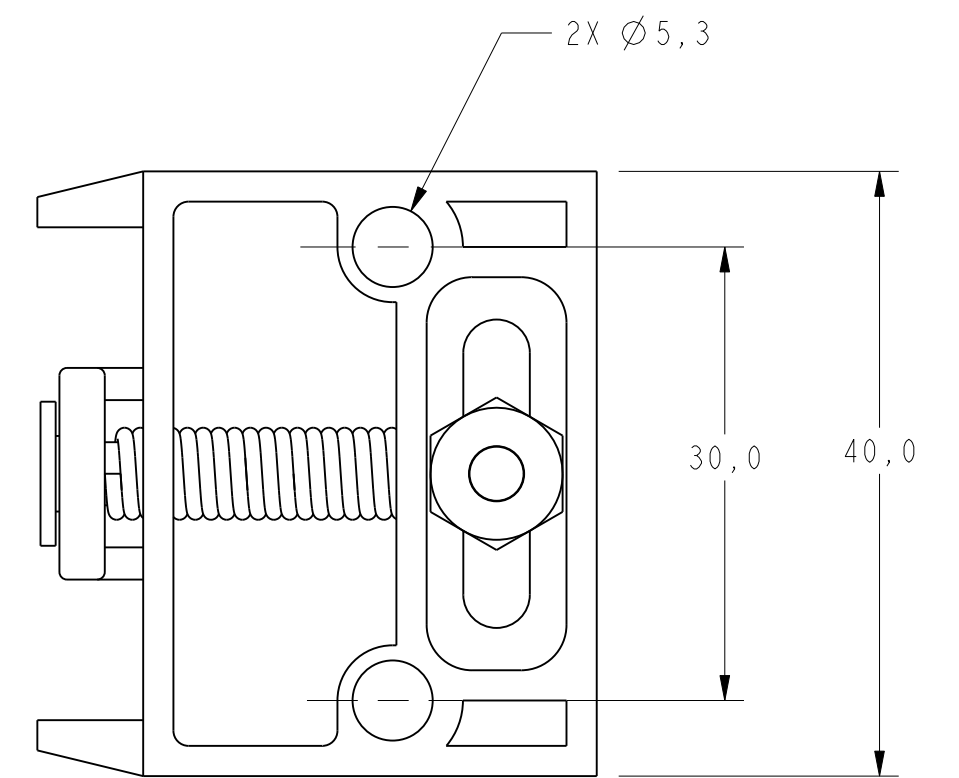
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17,8

8,5

84,9

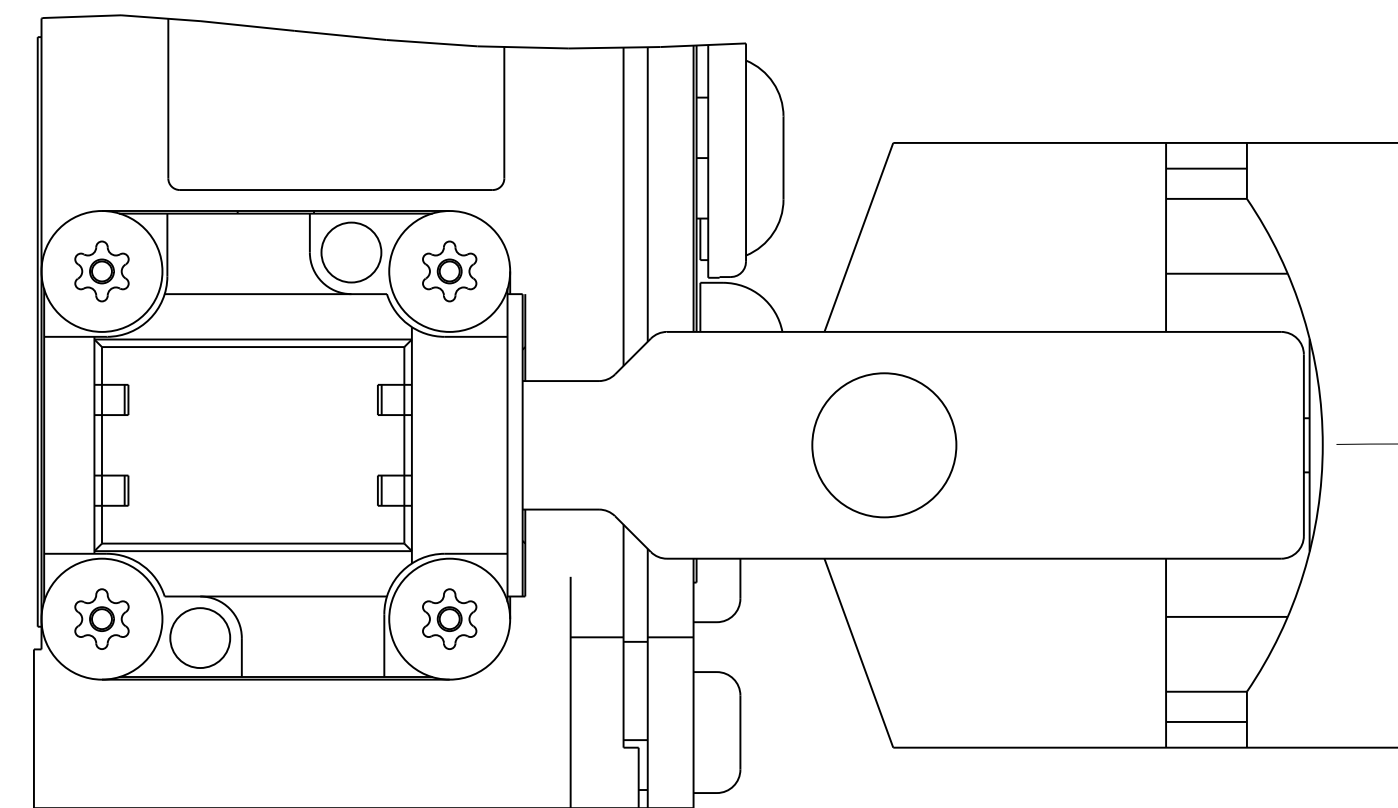
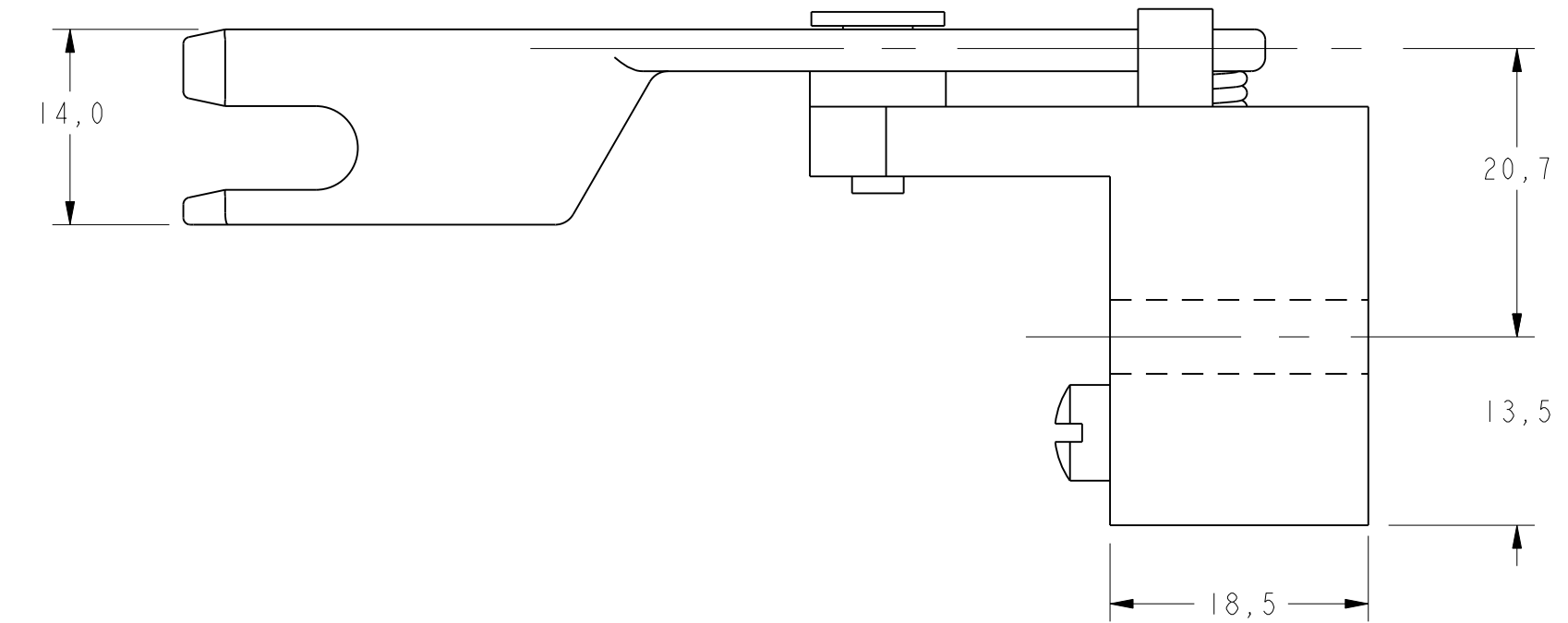
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TOP KEY ENTRY

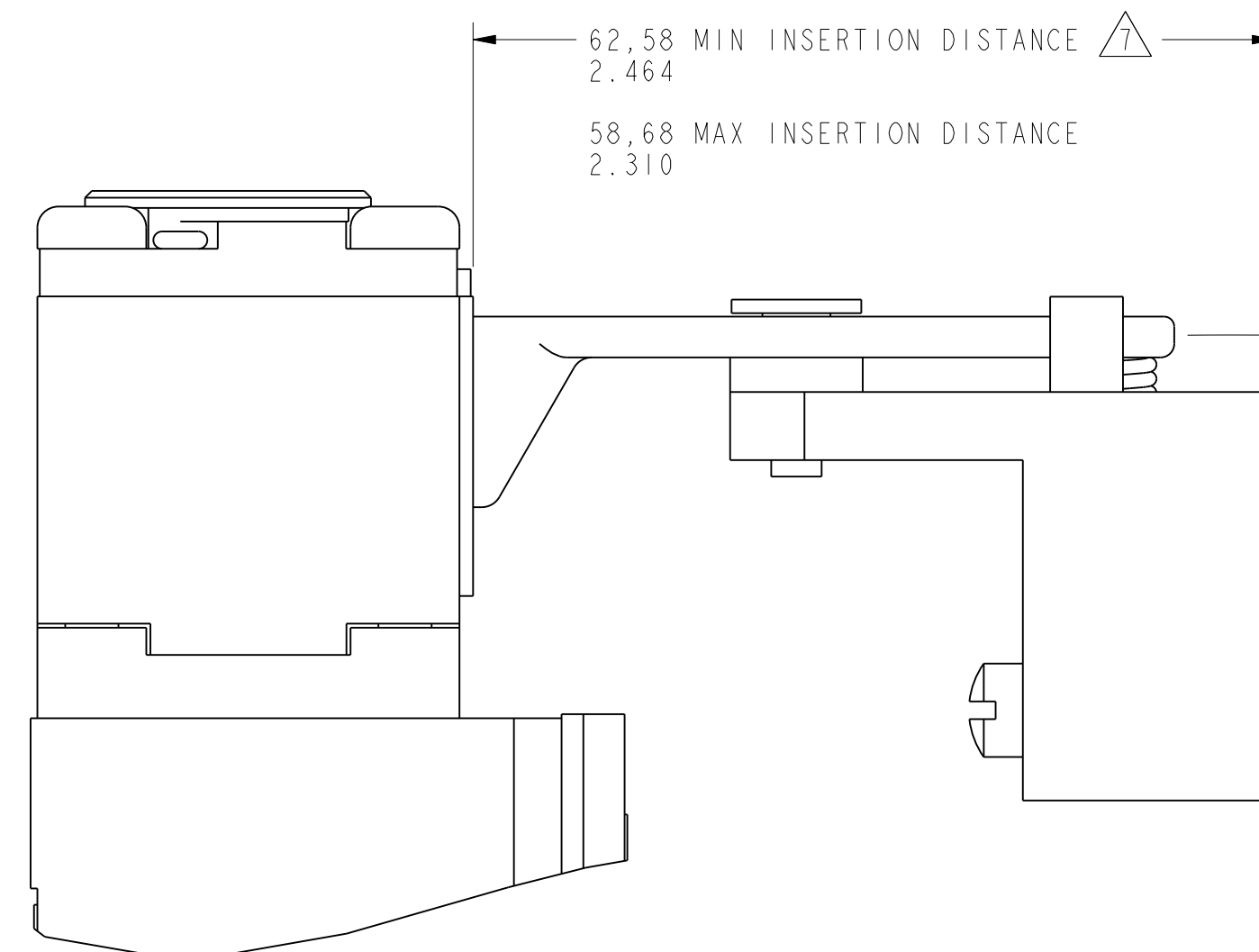
FRONT KEY ENTRY

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. WFO. CODE 91929		CATALOG LISTING			
MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK		GK SERIES CHART 4	
		SI METRIC ☒		US COUNTRY ☐	
		DESIGN UNITS			
		WEIGHT 1.5 KG / 3.3 LB			



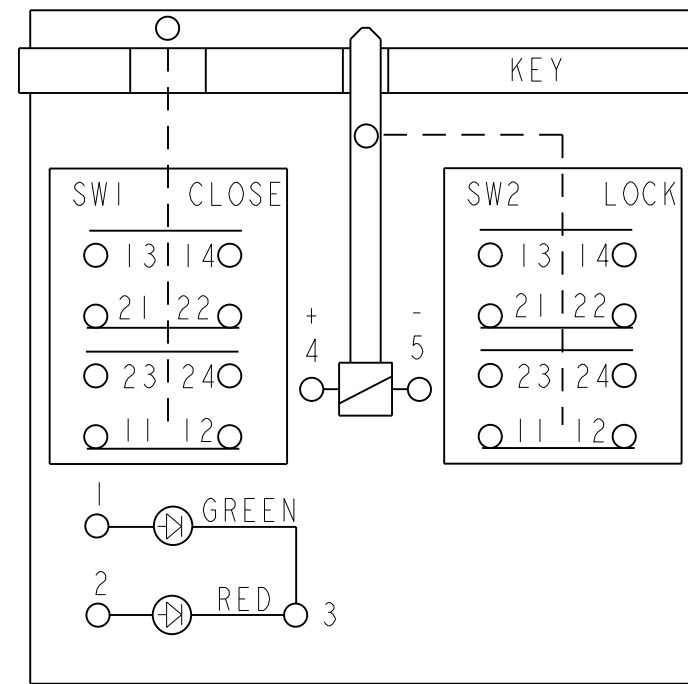
— R150,00 MIN DOOR RADIUS

TOP KEY ENTRY

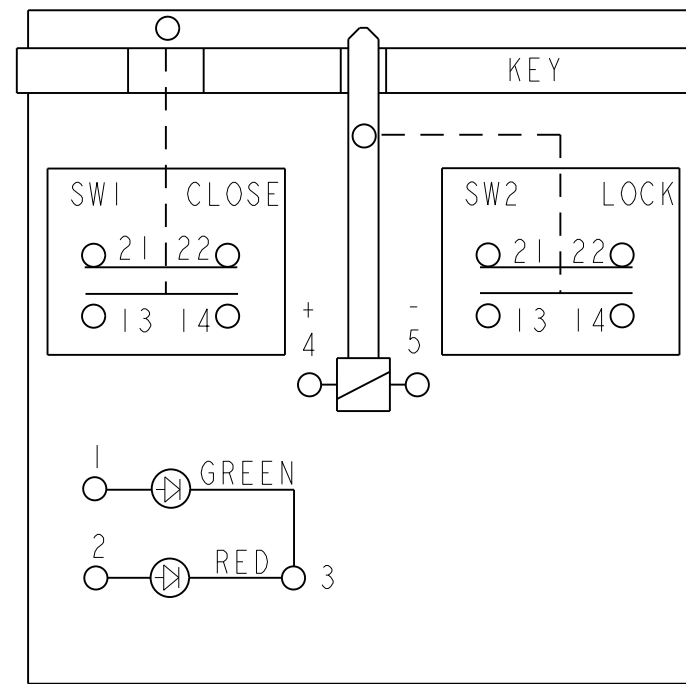


FRONT KEY ENTRY

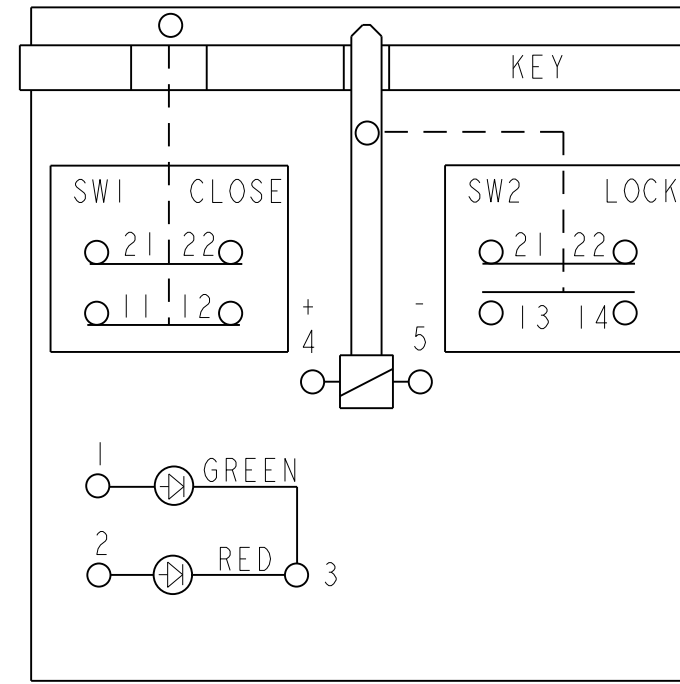
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.				<table><tr><td>DIM</td><td>TOL</td><td>DIM</td><td>TOL</td></tr><tr><td>#</td><td>(mm / in)</td><td>#</td><td>(mm / in)</td></tr><tr><td>NO PLACES</td><td>X</td><td>1</td><td>0.81 (0.03)</td></tr><tr><td>ONE PLACE</td><td>X, Y</td><td>0.47 (0.018)</td><td>0.38 (0.015)</td></tr><tr><td>TWO PLACES</td><td>X, Y</td><td>0.157 (0.006)</td><td>0.131 (0.005)</td></tr><tr><td>THREE PLACES</td><td></td><td></td><td></td></tr><tr><td>ANGLES</td><td></td><td></td><td></td></tr></table>				DIM	TOL	DIM	TOL	#	(mm / in)	#	(mm / in)	NO PLACES	X	1	0.81 (0.03)	ONE PLACE	X, Y	0.47 (0.018)	0.38 (0.015)	TWO PLACES	X, Y	0.157 (0.006)	0.131 (0.005)	THREE PLACES				ANGLES			
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FED. MFG. CODE 91929		CATALOG LISTING		<table><tr><td>SI METRIC</td><td>US CUSTOMARY</td></tr><tr><td>☒</td><td>☐</td></tr></table>				SI METRIC	US CUSTOMARY	☒	☐																								
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MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK		GK SERIES CHART 4																															
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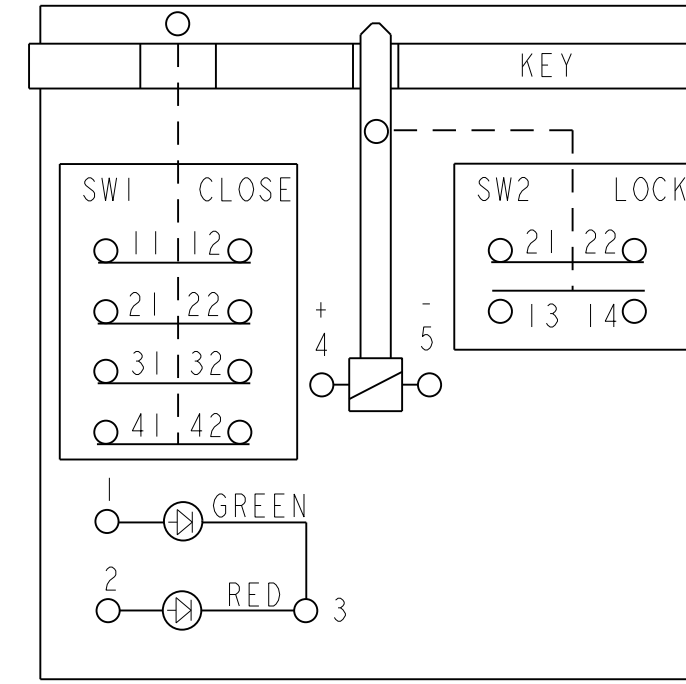
SWITCH CODE - 2



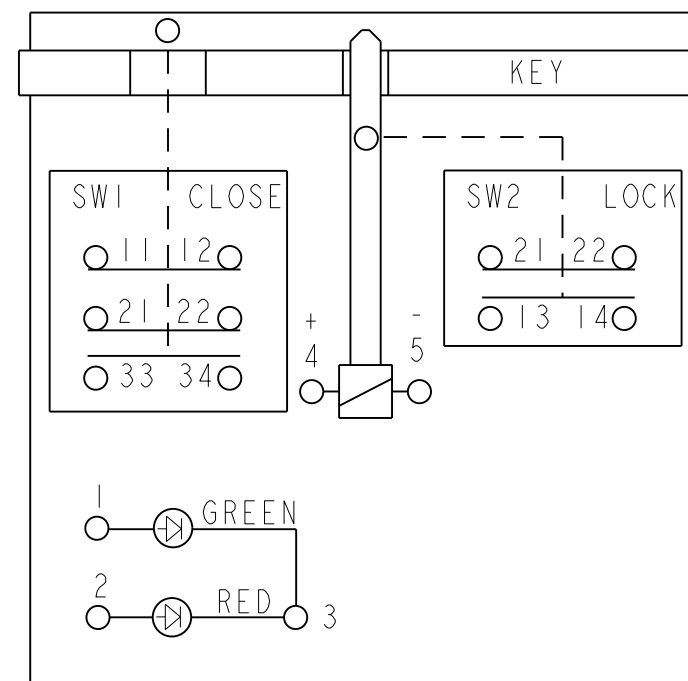
SWITCH CODE - 3 OR 4



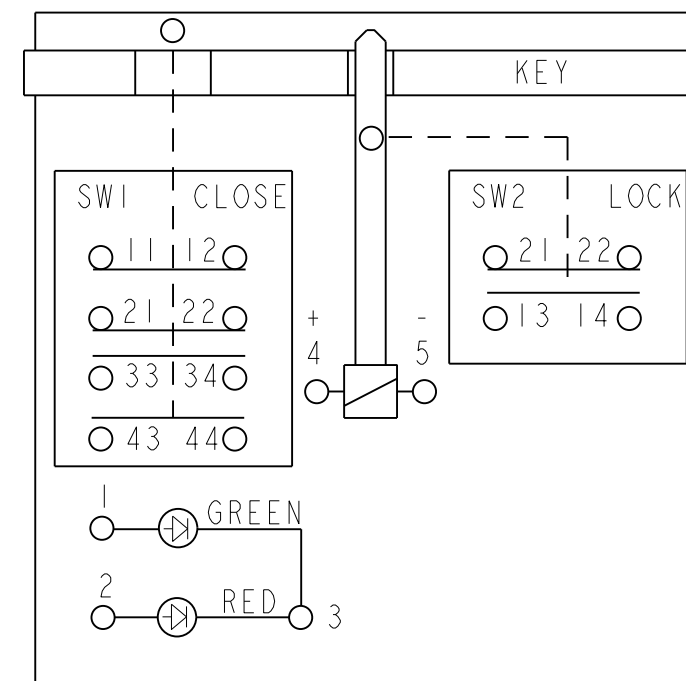
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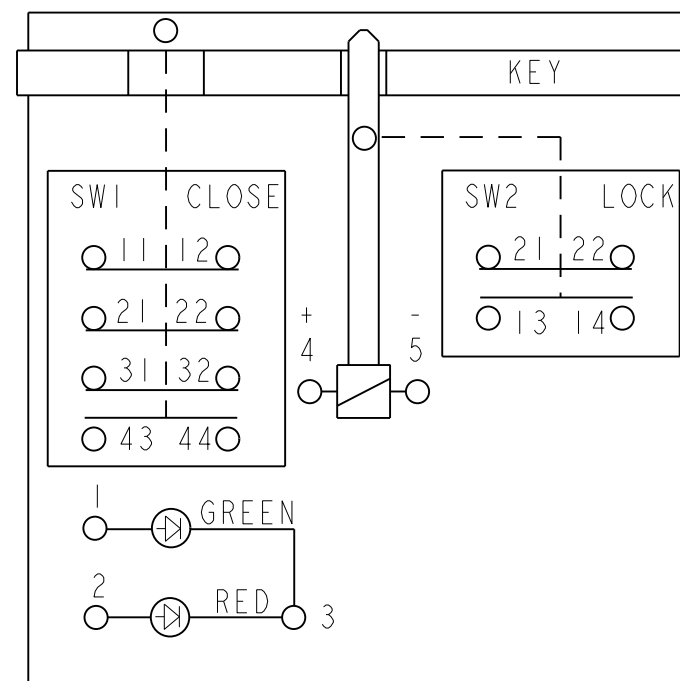
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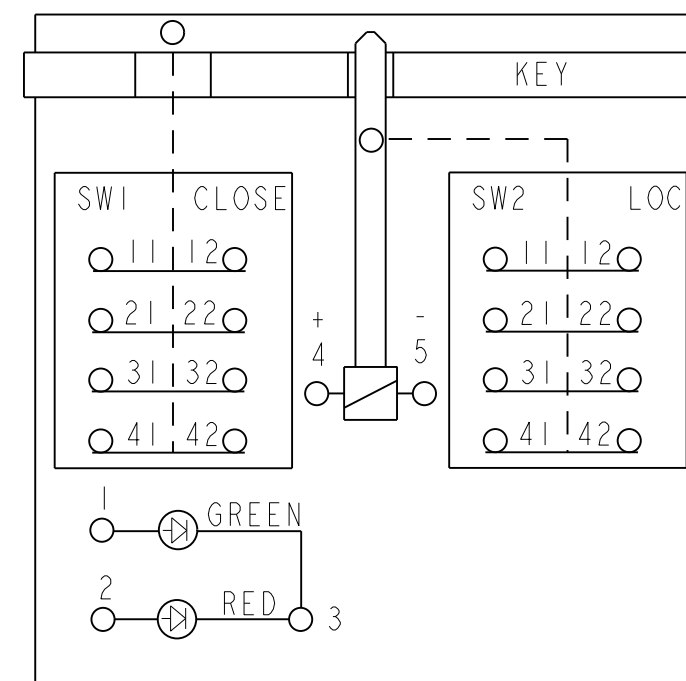
SWITCH CODE - 12



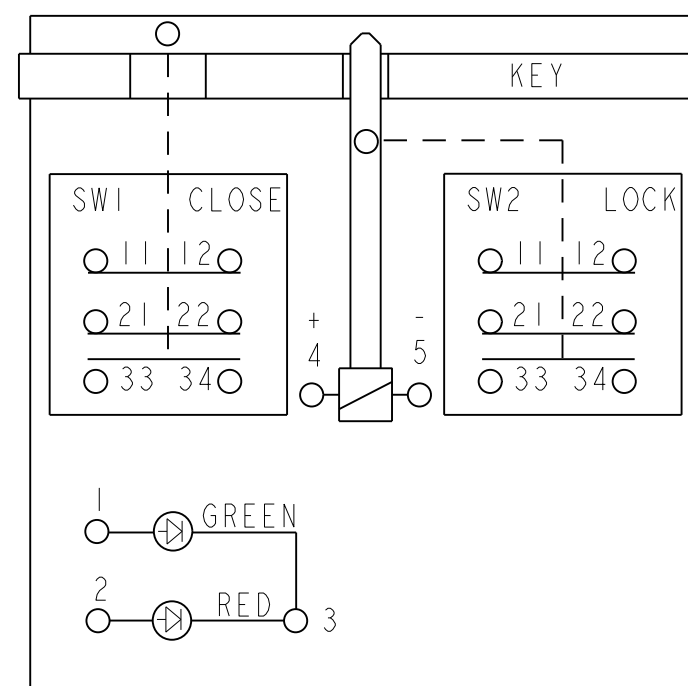
SWITCH CODE - 14



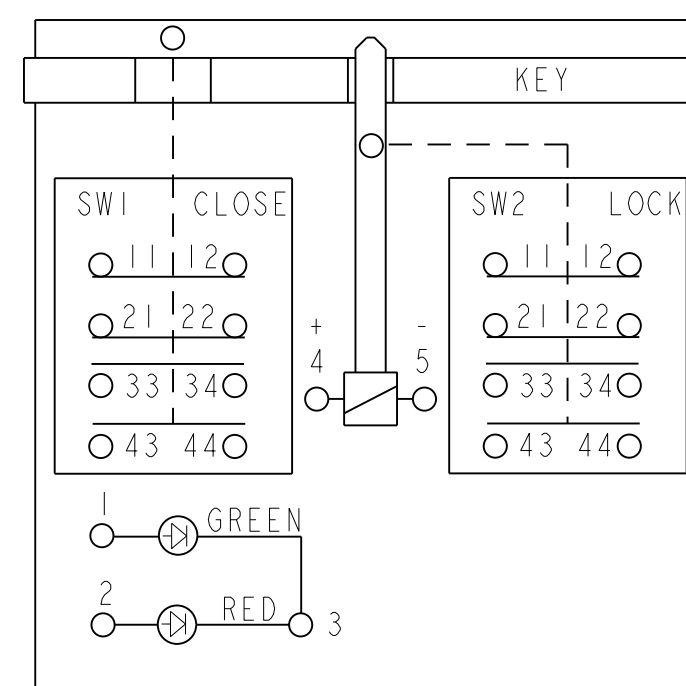
SWITCH CODE - 16



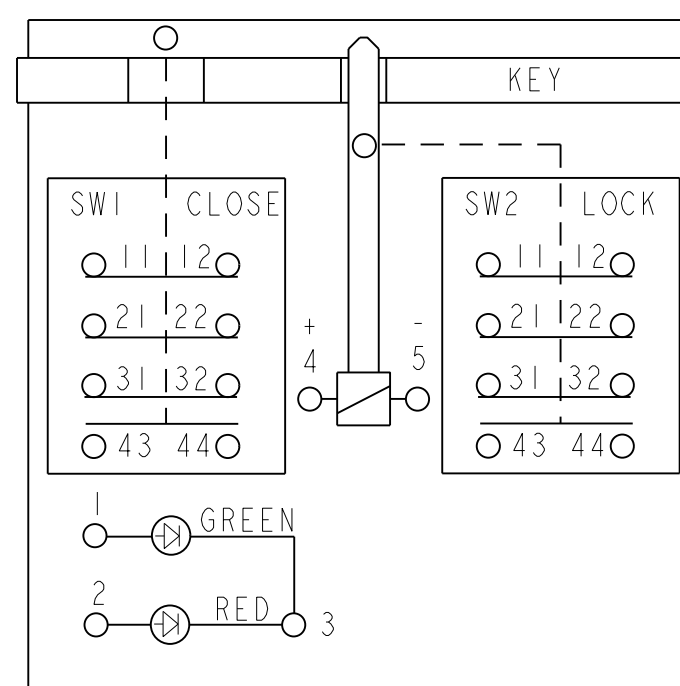
SWITCH CODE - 30 OR 40



SWITCH CODE - 32 or 42

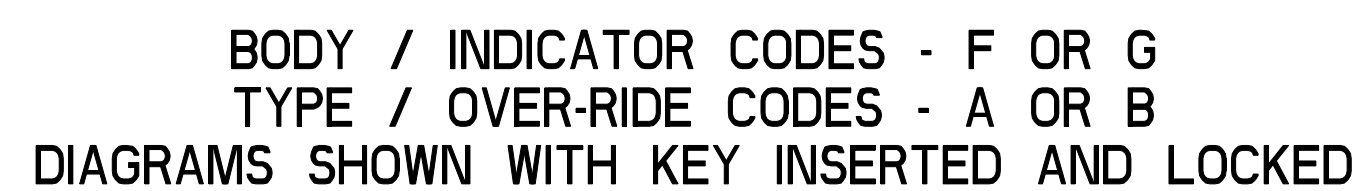


SWITCH CODE - 34 or 44



SWITCH CODE - 36 or 46

BODY / INDICATOR CODES - L OR R
TYPE / OVER-RIDE CODES - A OR B
DIAGRAMS SHOWN WITH KEY INSERTED AND LOCKED

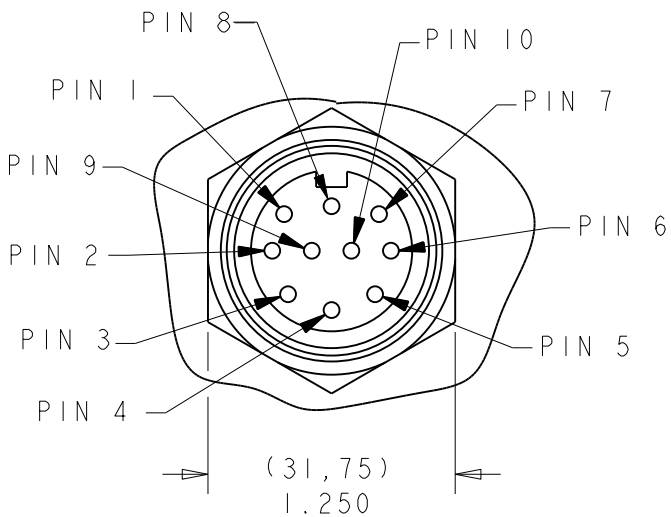
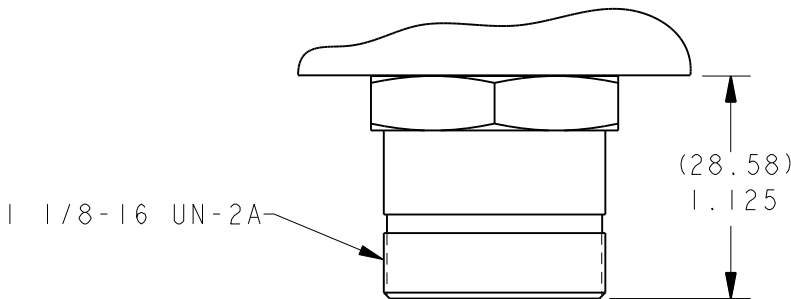
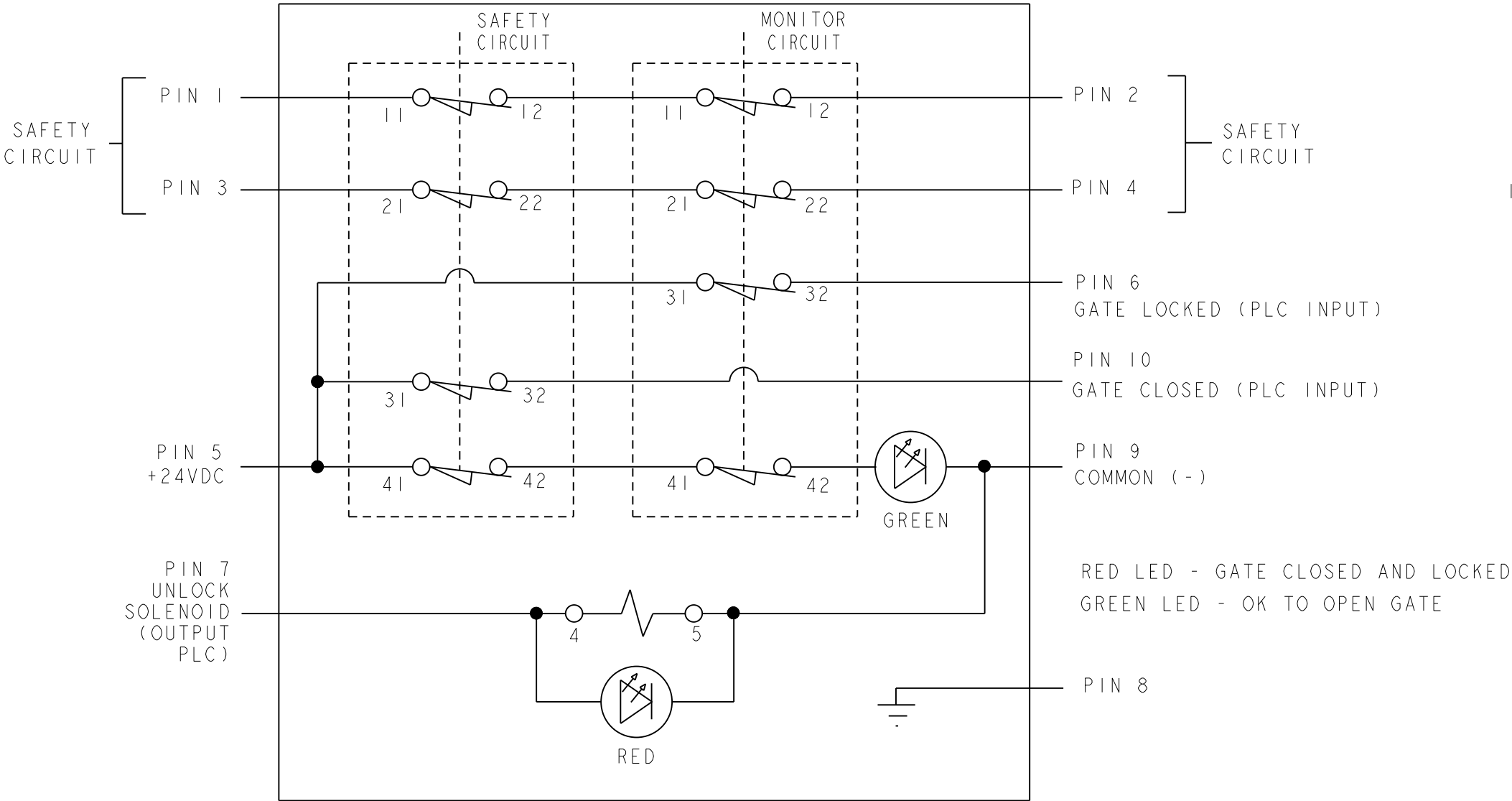




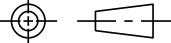
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FED. MFG. CODE 91929		CATALOG LISTING																					
MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK																					
				GK SERIES CHART 4																			
NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES		<table border="1"> <thead> <tr> <th>QW</th> <th>TOL</th> <th>QW</th> <th>TOL</th> </tr> <tr> <th>code</th> <th>mm (+)</th> <th>code</th> <th>mm (+)</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>1/4 DIA</td> <td>X</td> <td>0.81 (3)</td> </tr> <tr> <td>X X</td> <td>0.41 DIA</td> <td>X X</td> <td>0.581 (3)</td> </tr> <tr> <td>X X X</td> <td>0.151 (30)</td> <td>X X X</td> <td>1.131 (30)</td> </tr> </tbody> </table>		QW	TOL	QW	TOL	code	mm (+)	code	mm (+)	X	1/4 DIA	X	0.81 (3)	X X	0.41 DIA	X X	0.581 (3)	X X X	0.151 (30)	X X X	1.131 (30)
QW	TOL	QW	TOL																				
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X X	0.41 DIA	X X	0.581 (3)																				
X X X	0.151 (30)	X X X	1.131 (30)																				
SI METRIC DESIGN UNITS ☒		US CUSTOMARY ☐																					
WEIGHT 1.5 KG / 3.3 LB																							



MODIFICATION CODE: F05

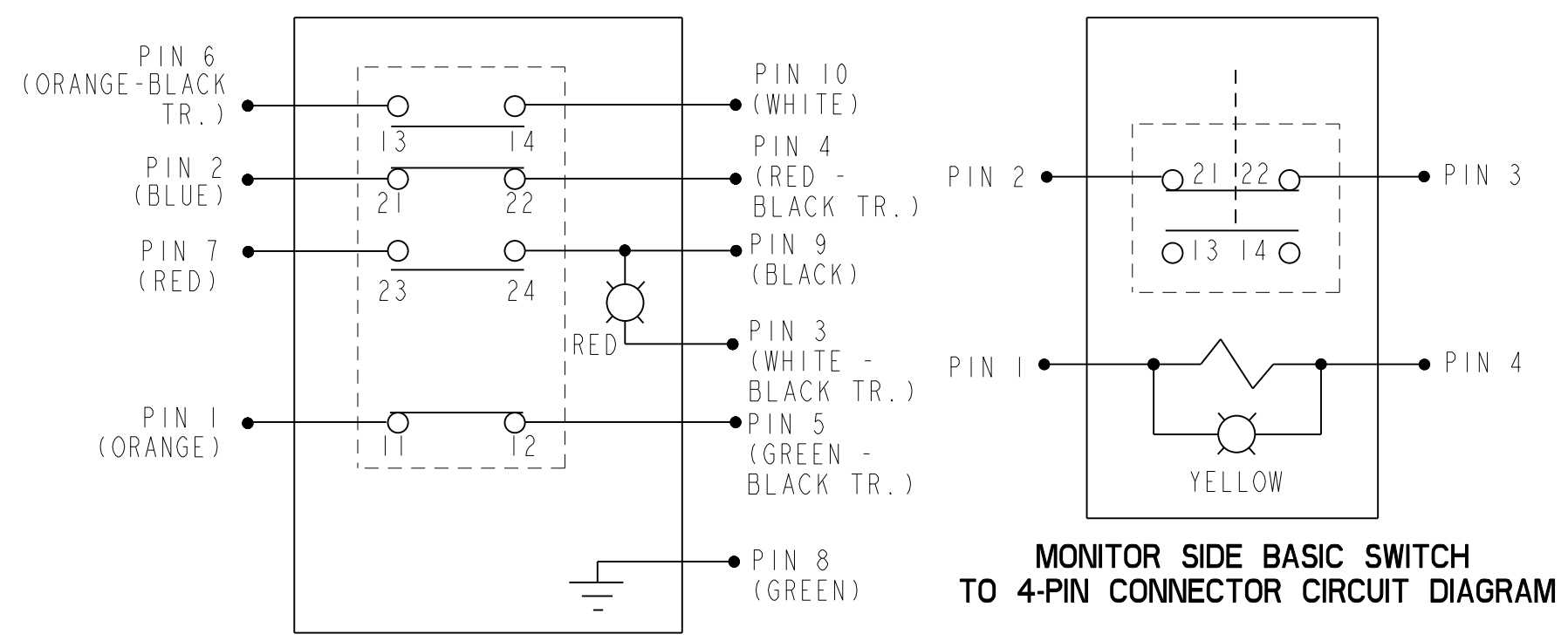


BRAD-HARRISON PART NO. 3R1006A21F010 OR EQUIVALENT

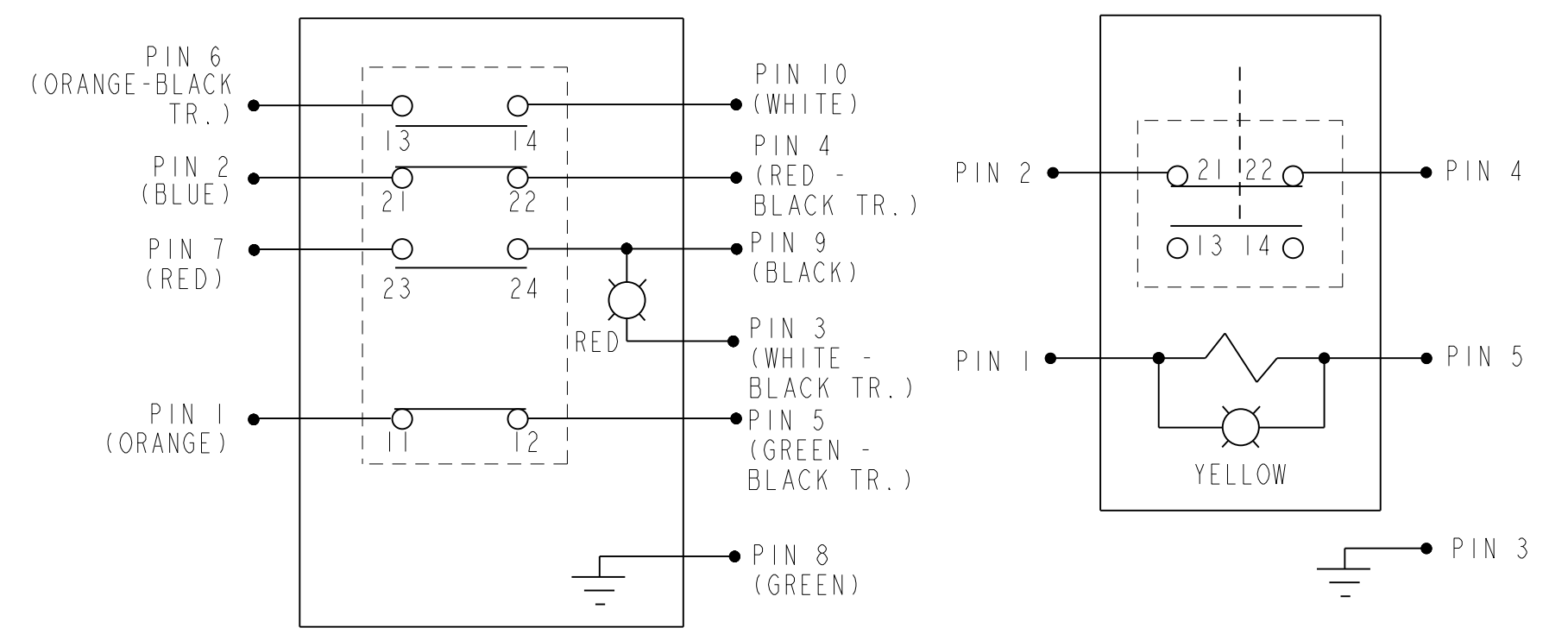
THIRD ANGLE PROJECTION																											
																											
SCALE		NTS																									
DO NOT SCALE PRINT																											
TOLERANCES																											
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE ±																											
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X.XXX	0.13/.005																										
SI METRIC		US CUSTOMARY																									
DESIGN UNITS 																											
WEIGHT 2,3 kg / 5 LB MAX																											

MODIFICATION CODE: -FW

DC SOLENOID VOLTAGE DEVICES

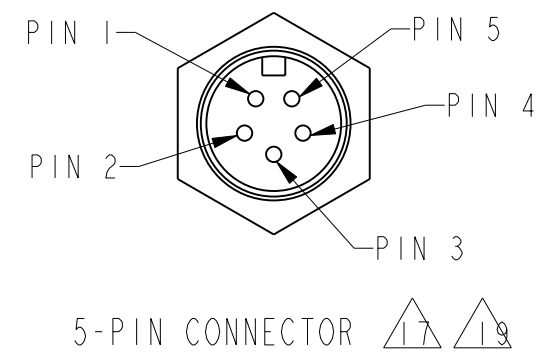
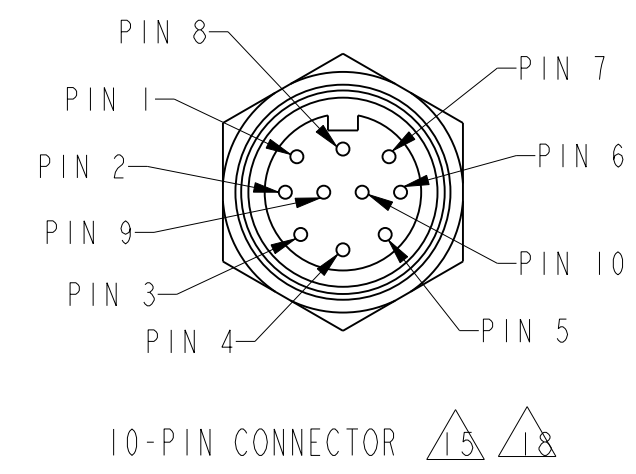
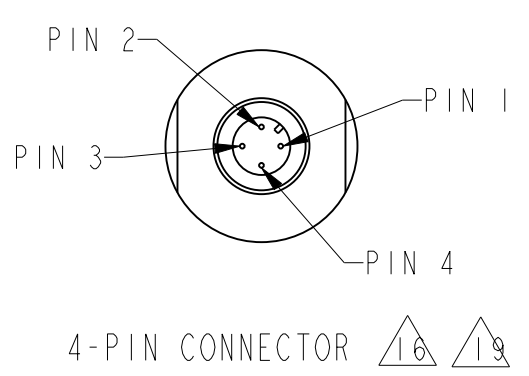
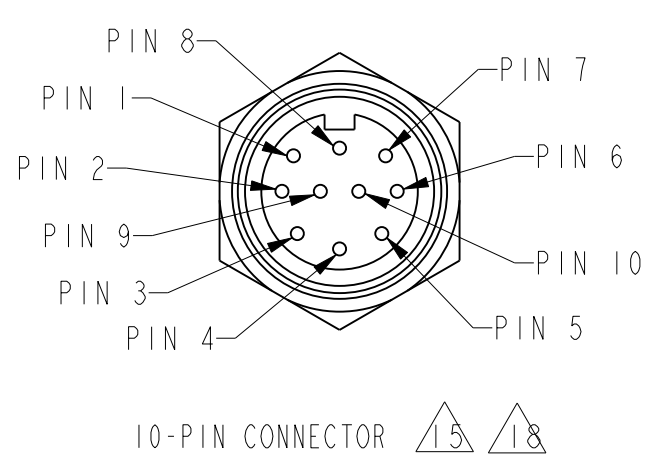


AC SOLENOID VOLTAGE DEVICES



DIAGRAMS SHOWN WITH KEY INSERTED AND LOCKED

DIAGRAMS SHOWN WITH KEY INSERTED AND LOCKED



PTC/CAD 30
GRT 18JAN00
SAV 18JAN00
CHECK 04FEB09
PRS 04FEB09
CHECK 04FEB09
N 0047583
SSR 04FEB09
REPLACES -
PAGE 15 OF 16
RELEASE NO. PR-24370
M GK SERIES CHART 4
ISSUE 52
DRAWING NUMBER

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MICRO SWITCH
a Honeywell Division

SWITCH - DOOR INTERLOCK

CATALOG LISTING

GK SERIES CHART 4

THIRD ANGLE PROJECTION

SCALE NTS

DO NOT SCALE PRINT

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

DIM.	TOL.	DIM.	TOL.
NO PLACES		ST. METRIC	US. CUSTOMARY
ONE PLACE	1/2, .04	1/2, .04	0.81/ .03
TWO PLACES	0.47/ .016	0.47/ .016	0.38/ .015
THREE PLACES	0.157/ .006	0.157/ .006	0.13/ .005
ANGLES			

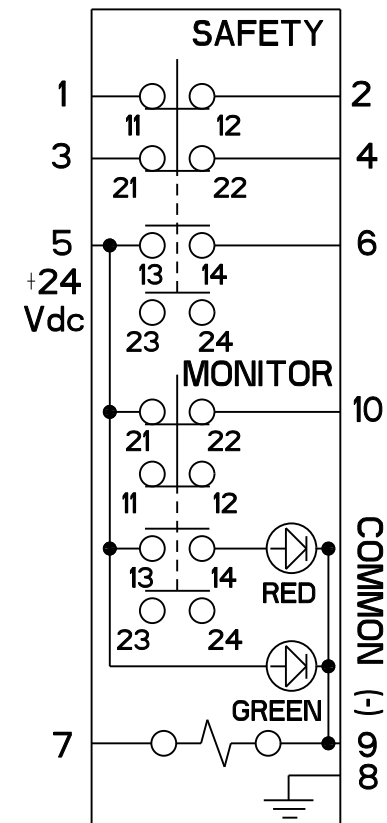
DESIGN UNITS X

WEIGHT 2,3 kg / 5 LB MAX

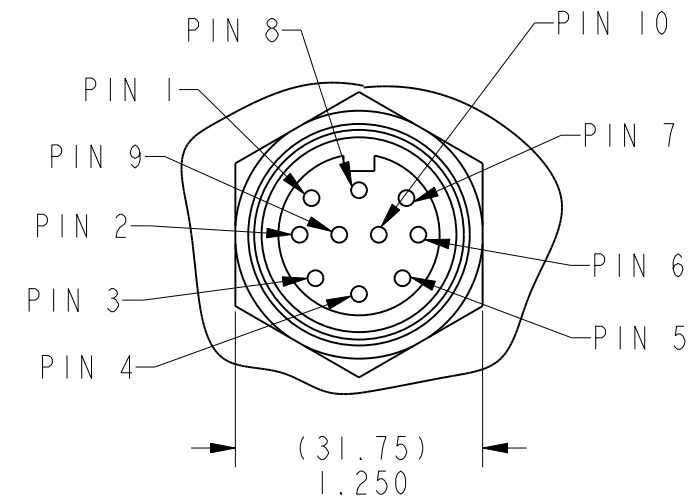
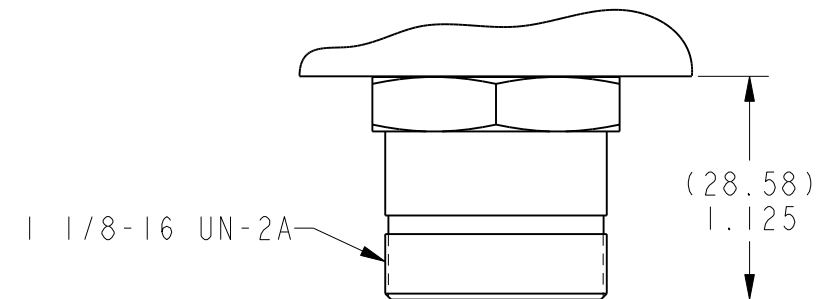
ANSI Y14.5M-1982 APPLIES

FED. MFG. CODE 91929

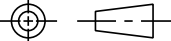
MODIFICATION CODE: F04



SWITCH DIAGRAM STATE
IS CLOSED AND LOCKED



300V 7A
BRAD-HARRISON PART NO. 3R1006A21F010
OR EQUIVALENT

THIRD ANGLE PROJECTION			
			
SCALE		NTS	
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE :			
DIM. mm TOL mm / in NO PLACES X 1 / .04 ONE PLACE X.X 0.47 / .016 TWO PLACES X.XX 0.157 / .006 THREE PLACES X.XXX ANGLES		DIM. in TOL mm / in X.X 0.87 / .03 X.XX 0.38 / .015 X.XXX 0.137 / .005	
SI METRIC		US CUSTOMARY	
DESIGN UNITS 			
WEIGHT 2,3 kg / 5 LB MAX			