

DUAL ENTRY SOLENOID KEY OPERATED SAFETY INTERLOCK NOMENCLATURE

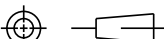
GK

BODY / INDICATOR		CONDUIT / SEAL		BASIC		HEAD		KEY		TYPE / OVER-RIDE		SOLENOID VOLTAGE		MODIFICATION CODE	
L	HEAD TO LEFT - WITH INDICATORS	A	1/2 NPT - VITON SEALS	2	2 SNAP ACTION DPDT	L	OPENING TO FRONT AND TOP	6	STRAIGHT	A	SOLENOID UNLOCK WITH SCREWDRIVER	1	12 VDC	F04	
R	HEAD TO RIGHT - WITH INDICATORS	B	PG 13.5 - VITON SEALS	3	2 SLOW ACTING SPDT BBM	M	OPENING TO RIGHT AND TOP	7	90 DEGREE		SLOT OVER-RIDE	2	24 VDC	F05	
F	HEAD TO LEFT - WITHOUT INDICATORS	C	20 MM - VITON SEALS	6	SLOW ACTING 2 NC	N	OPENING TO BACK AND TOP	8	UP - DOWN, SPRING LOADED	B	SOLENOID UNLOCK WITHOUT OVER-RIDE	3	48 VDC	FW	
G	HEAD TO RIGHT - WITHOUT INDICATORS	D	PF 1/2 - VITON SEALS	10	SLOW ACTING 4 NC	P	OPENING TO LEFT AND TOP	9	SIDE - SIDE, SPRING LOADED	S	SOLENOID LOCK WITH SCREWDRIVER	4	120 VAC		
		E	1/2 NPT - BUNA-N SEALS	12	SLOW ACTING 2 NC - 1 NO BBM			X	NO KEY	T	SLOT OVER-RIDE	6	240 VAC		
		F	PG 13.5 - BUNA-N SEALS	14	SLOW ACTING 2 NC - 2 NO BBM						SOLENOID LOCK WITHOUT OVER-RIDE				
		G	20 MM - BUNA-N SEALS	15	SLOW ACTING 2 NC - 2 NO BBM - GOLD										
		H	PF 1/2 - BUNA-N SEALS	16	SLOW ACTING 3 NC - 1 NO BBM										
				30	2 SLOW ACTING 4 NC - GOLD										
				32	2 SLOW ACTING 2 NC - 1 NO BBM - GOLD										
				34	2 SLOW ACTING 2 NC - 2 NO BBM - GOLD										
				36	2 SLOW ACTING 3 NC - 1 NO BBM - GOLD										
				40	2 SLOW ACTING 4 NC										
				42	2 SLOW ACTING 2 NC - 1 NO BBM										
				44	2 SLOW ACTING 2 NC - 2 NO BBM										
				46	2 SLOW ACTING 3 NC - 1 NO BBM										

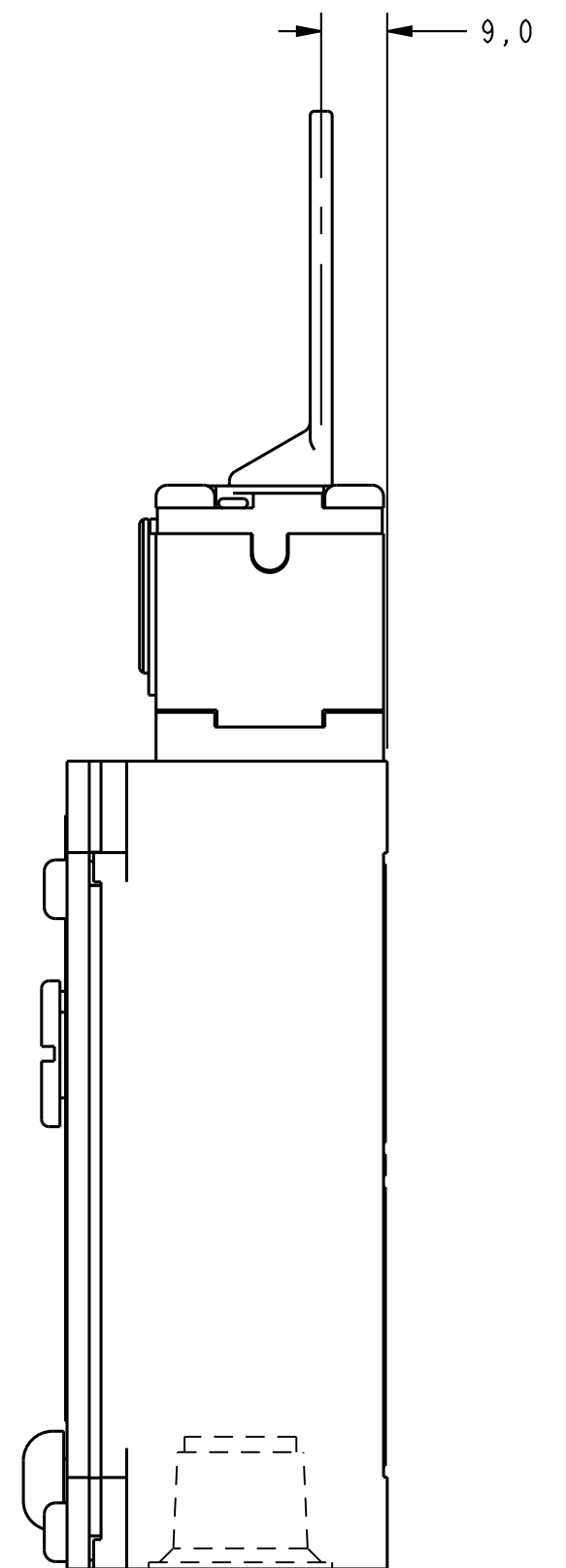
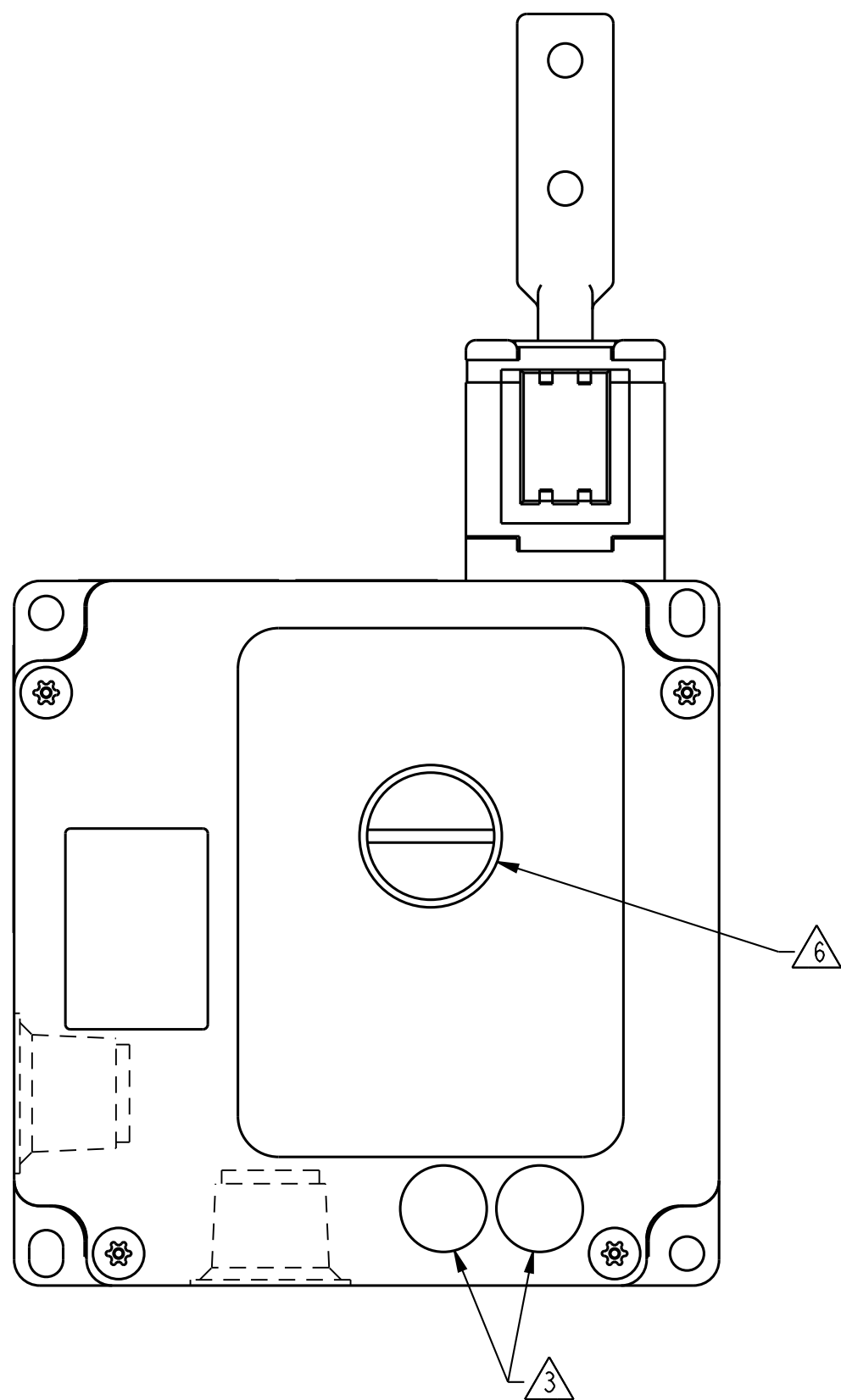
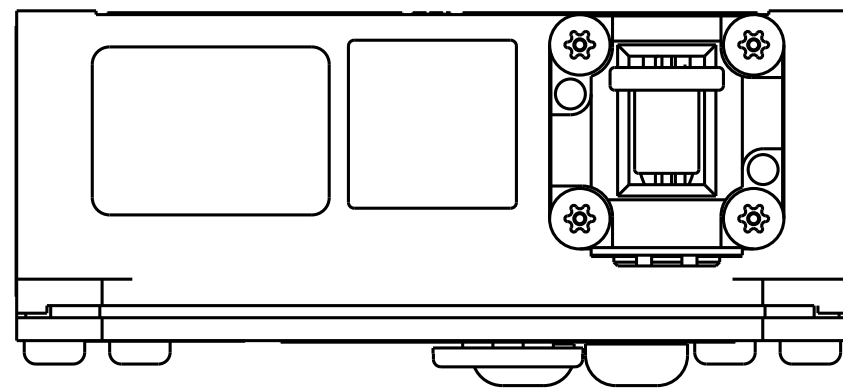
NOTES

- 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
- 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
- EXTRACTION FORCE = 28 N
- 6 LB
- MAXIMUM SOLENOID LOCKING FORCE = 1000 N
- 224 LB
- 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.
- NOT PRESENT ON TYPE/OVER-RIDE CODES B OR T
- SWITCH MUST OPERATE BEFORE REACHING MINIMUM INSERTION DISTANCE
- 8 - T-15 TAMPERPROOF TORX DRIVER BIT PROVIDED
- 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
- SEE PAGES 10, 11, 12 AND 13 FOR CIRCUIT DIAGRAMS
- 12 - NO CHANGES CAN BE MADE TO THIS DRAWING WITHOUT JOINT FREEPORT / NEWHOUSE APPROVAL
- THE LEFT INDICATOR IS YELLOW AND THE RIGHT INDICATOR IS RED
- 10-PIN CONNECTOR, BRAD HARRISON PART NO.3RI006AZIF010 OR EQUIVALENT
- 4-PIN CONNECTOR, WOODHEAD PART NO.80599-19 OR MOLEX PART NO.08631MZ1 OR EQUIVALENT
- 5-PIN CONNECTOR, BRAD HARRISON PART NO.41310 OR EQUIVALENT
- CONNECTOR INSTALLED IN BOTTOM CONDUIT HOLE
- CONNECTOR INSTALLED IN SIDE CONDUIT HOLE
- FOR CONNECTOR AND CIRCUIT DETAILS OF MODIFICATION CODE, REFER PAGE 14 FOR CODE F05, PAGE 15 FOR CODE FW AND PAGE 16 FOR CODE F04

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	
1.0		0.81/0.03	
2.5		0.384/0.01	
3.1X		0.151/0.005	
NO PLACES			
ONE PLACE			
TWO PLACES			
THREE PLACES			
ANGLES			
SI METRIC		US CUSTOMARY	
☒		☐	
DESIGN UNITS			
WEIGHT 1.5 kg / 3.3 LB			

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FED. MFG. CODE 91929		CATALOG LISTING	
MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK	
GK SERIES CHART 4		GK SERIES CHART 4	



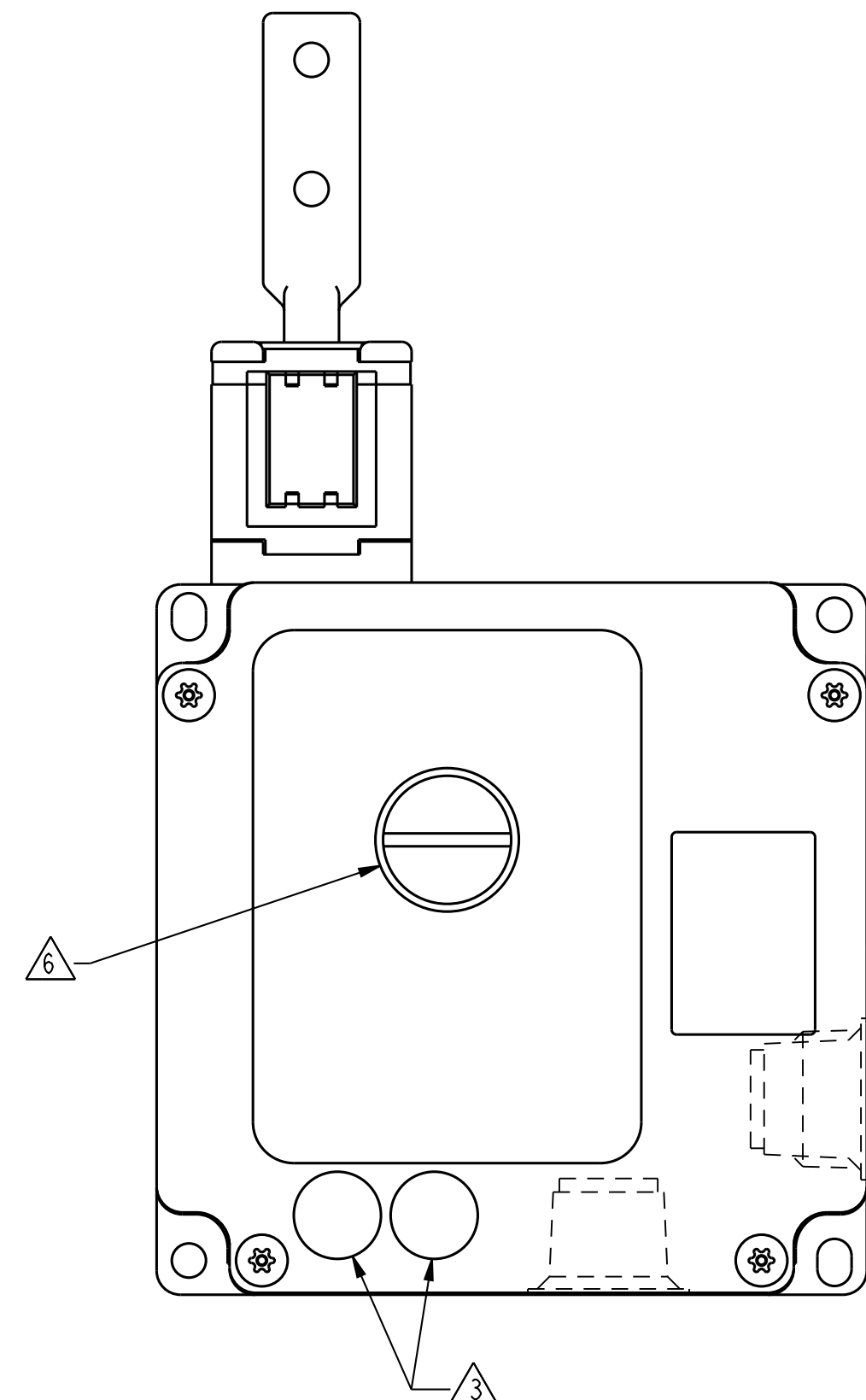
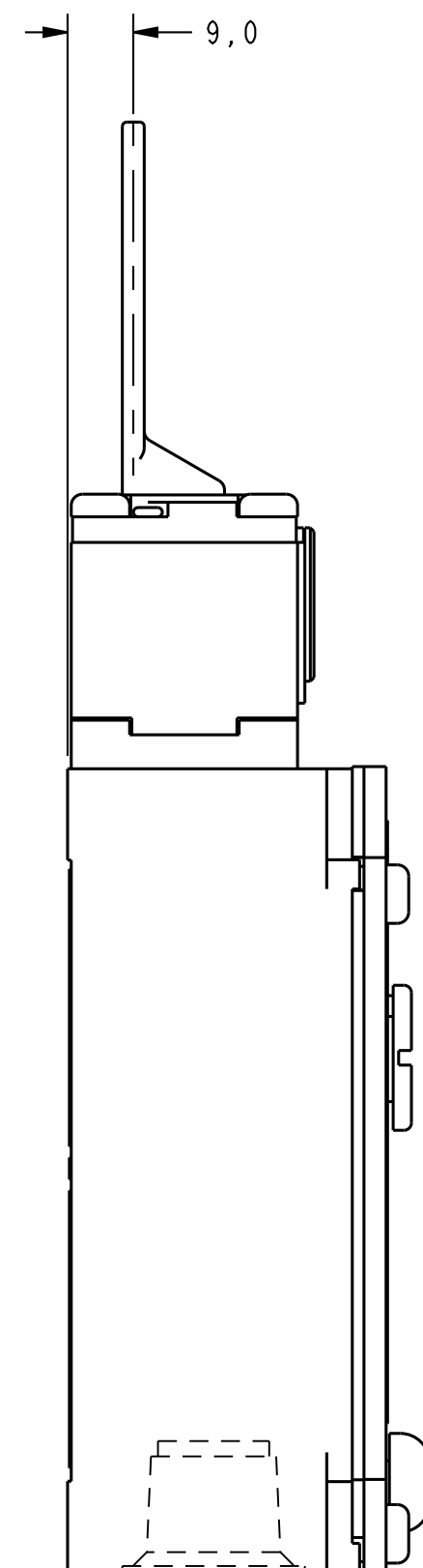
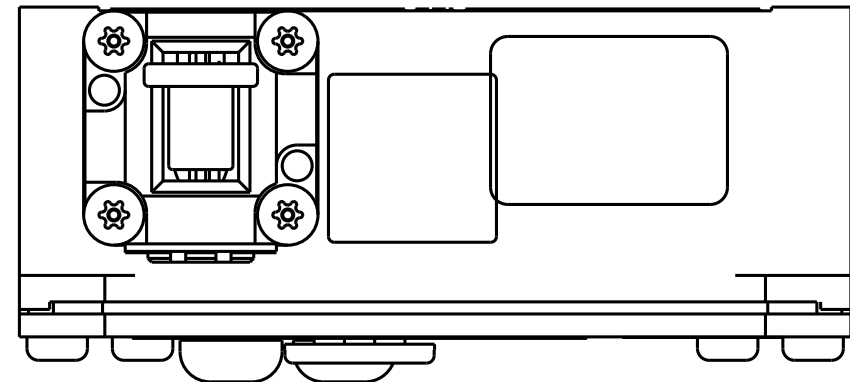
TOP KEY ENTRY

FRONT KEY ENTRY

BODY / INDICATOR CODES R OR G

[illegible]

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FED. MFG. CODE 91929		CATALOG LISTING	
 MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK	
		GK SERIES CHART 4	
		NO PLACES 1.1 1/4 ONE PLACE 2.1 0.47-0.16 TWO PLACES 3.1 0.15-0.08 THREE PLACES 4.1 ANGLES SI METRIC ☒ US CUSTOMARY ☐ DESIGN UNITS WEIGHT 1,5 kg / 3.3 LB	



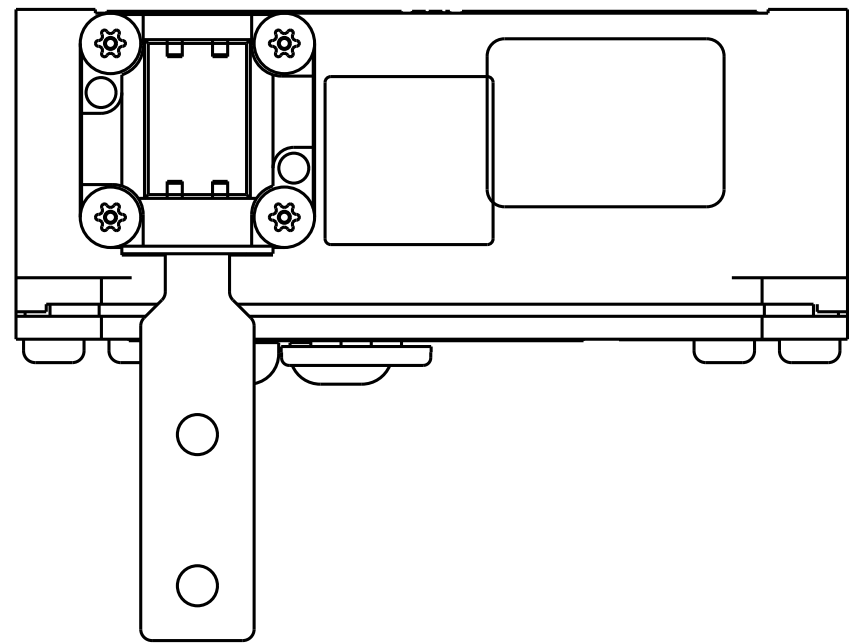
TOP KEY ENTRY

FRONT KEY ENTRY

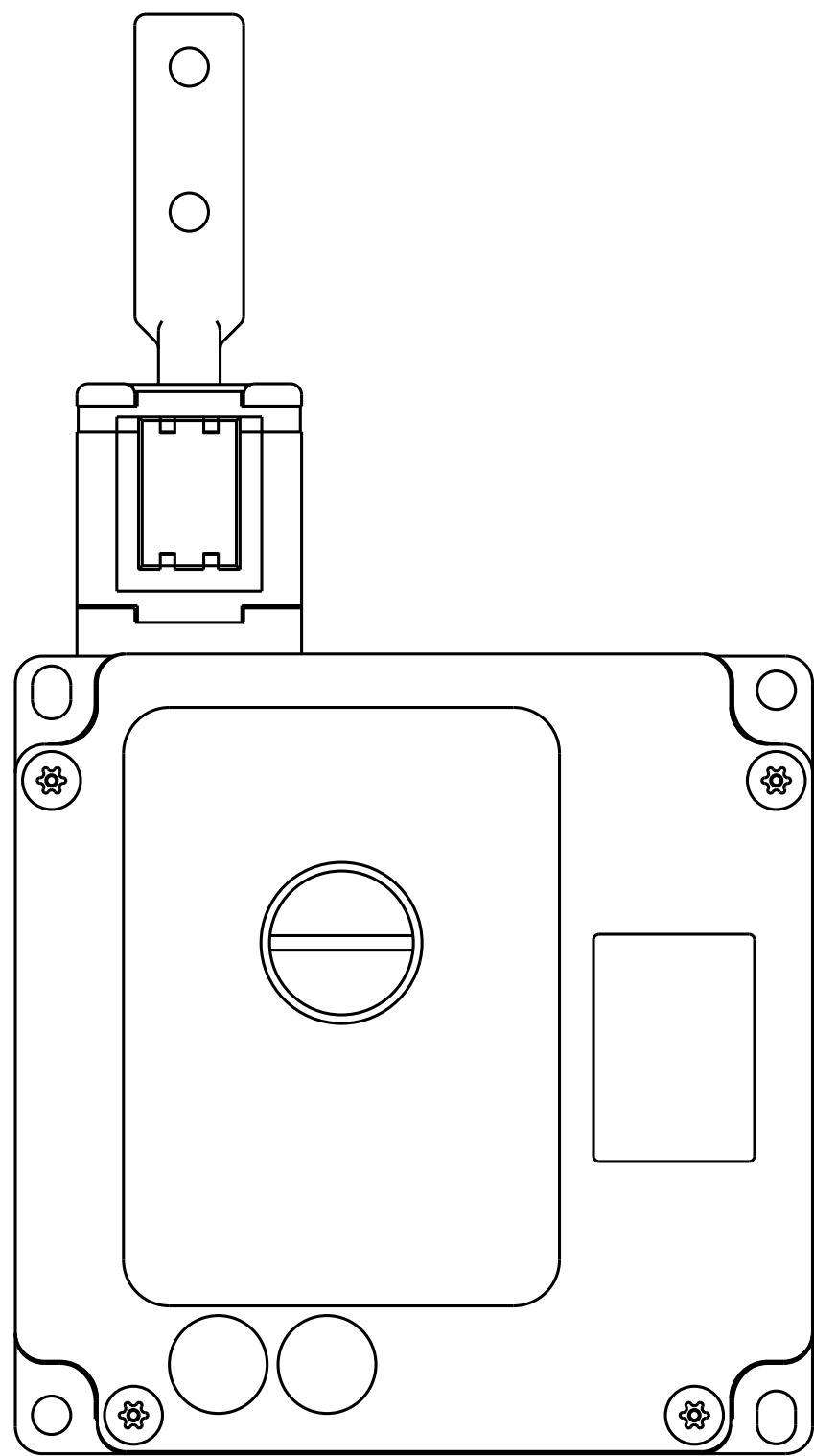
BODY / INDICATOR CODES L OR F

[illegible]

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.		<table><tr><td>DIM.</td><td>TOL.</td><td>DIM.</td><td>TOL.</td></tr><tr><td>mm / in</td><td>mm / in</td><td>mm / in</td><td>mm / in</td></tr><tr><td>NO PLACES</td><td>1 / 64</td><td>1.1</td><td>0.003</td></tr><tr><td>TWO PLACES</td><td>1 / 32</td><td>1.151</td><td>0.003</td></tr><tr><td>THREE PLACES</td><td>0.151 / .006</td><td>1.151</td><td>0.151 / .005</td></tr><tr><td>ANGLES</td><td></td><td></td><td></td></tr></table>		DIM.	TOL.	DIM.	TOL.	mm / in	mm / in	mm / in	mm / in	NO PLACES	1 / 64	1.1	0.003	TWO PLACES	1 / 32	1.151	0.003	THREE PLACES	0.151 / .006	1.151	0.151 / .005	ANGLES			
DIM.	TOL.	DIM.	TOL.																								
mm / in	mm / in	mm / in	mm / in																								
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ANGLES																											
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	☒	☐																				
SI METRIC	US CUSTOMARY																										
☒	☐																										
MICRO SWITCH a Honeywell Division	SWITCH - DOOR INTERLOCK	GK SERIES CHART 4																									
		DESIGN UNITS ☒ mm ☐ in WEIGHT 1.5 kg / 3.3 lb																									

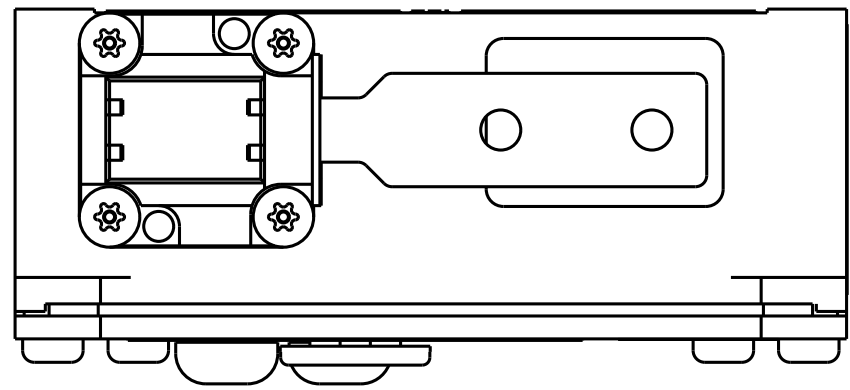
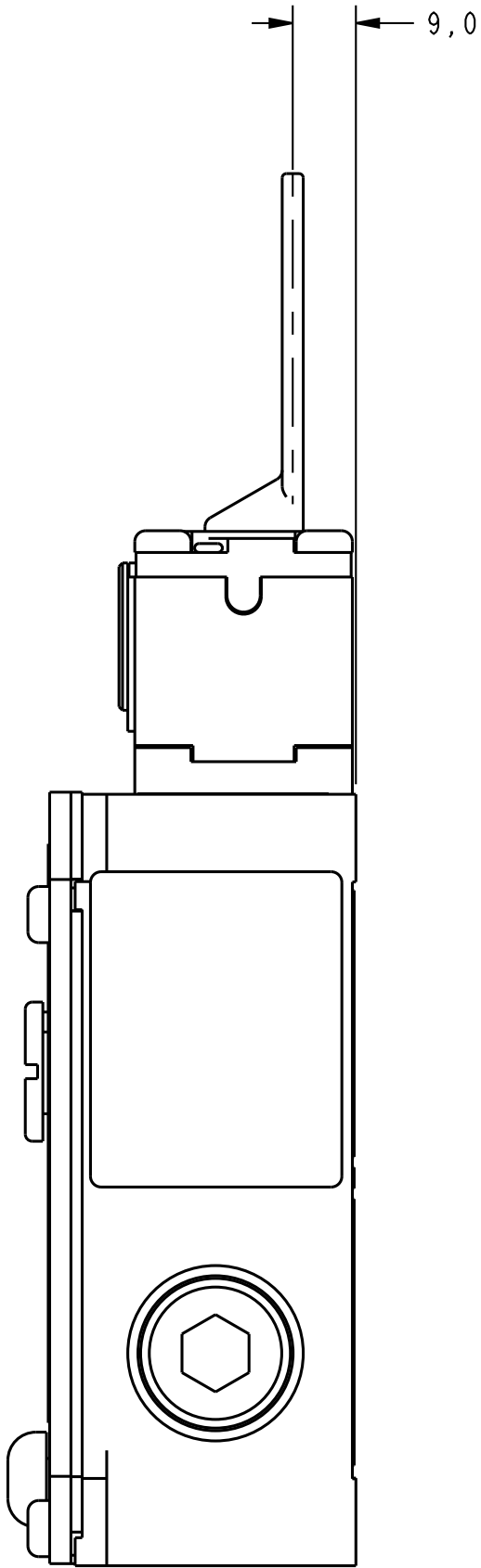


WITH KEY IN FRONT ENTRY POSITION

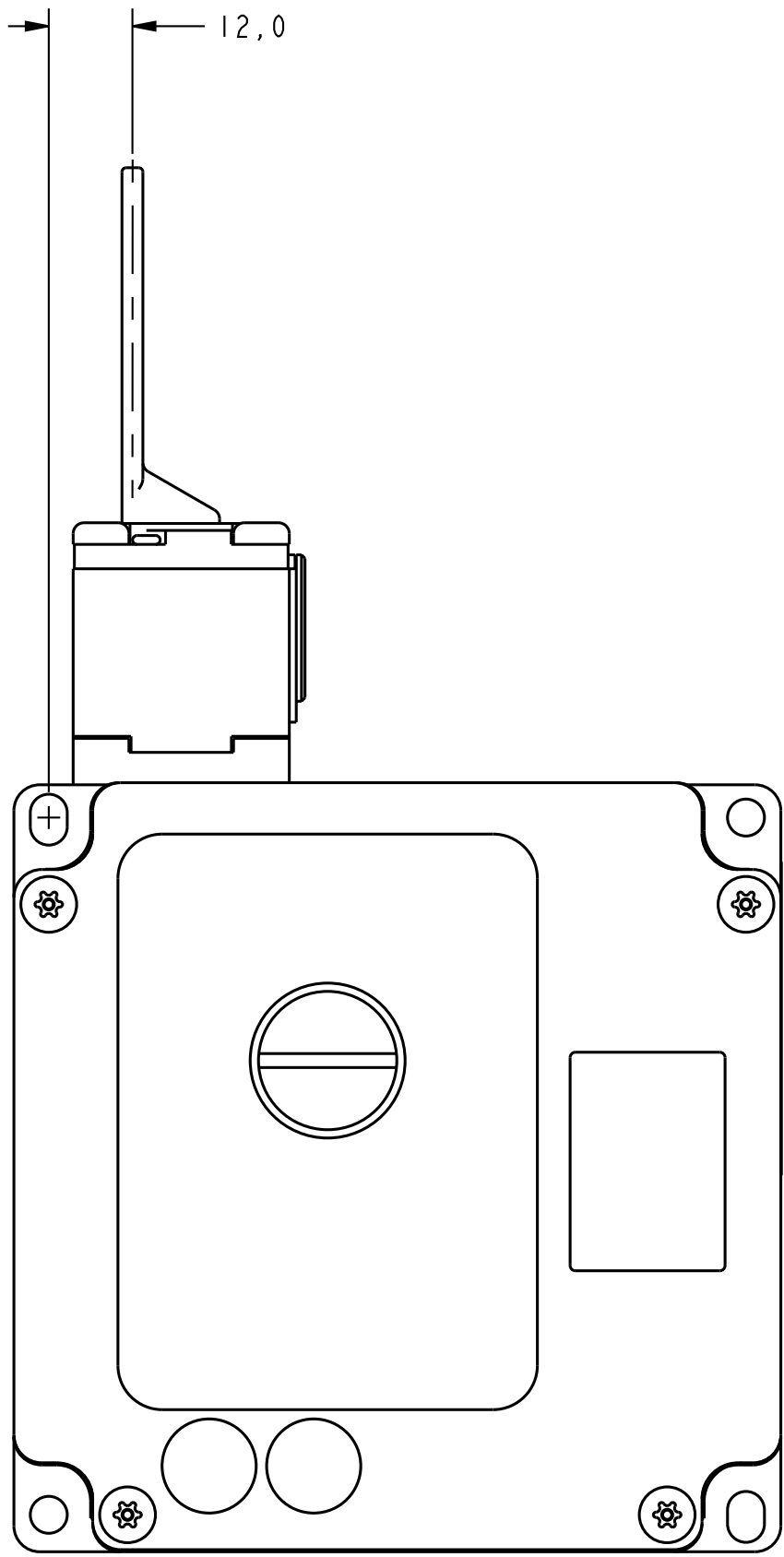


WITH KEY IN TOP ENTRY POSITION

HEAD CODE L

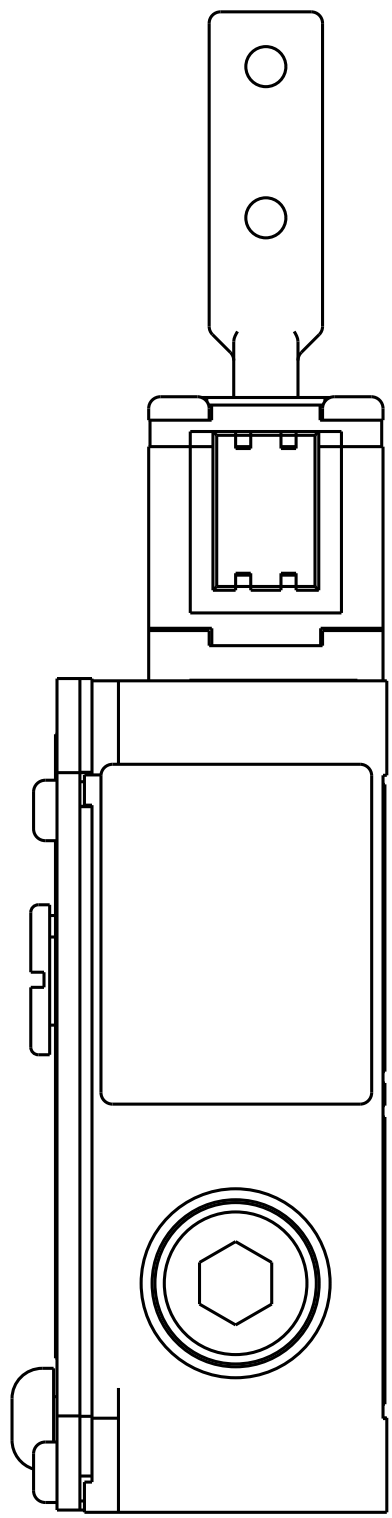


WITH KEY IN FRONT ENTRY POSITION



WITH KEY IN TOP ENTRY POSITION

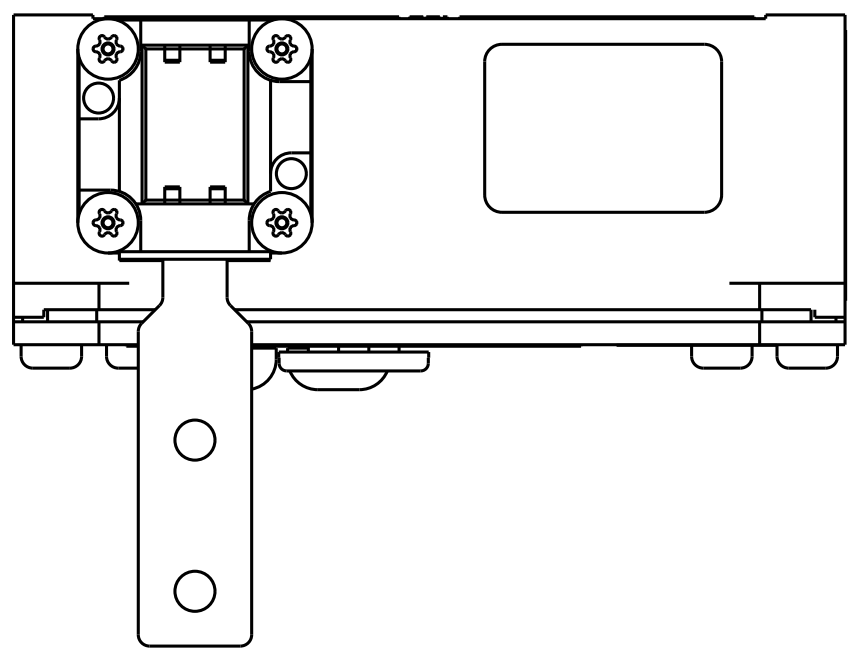
HEAD CODE M



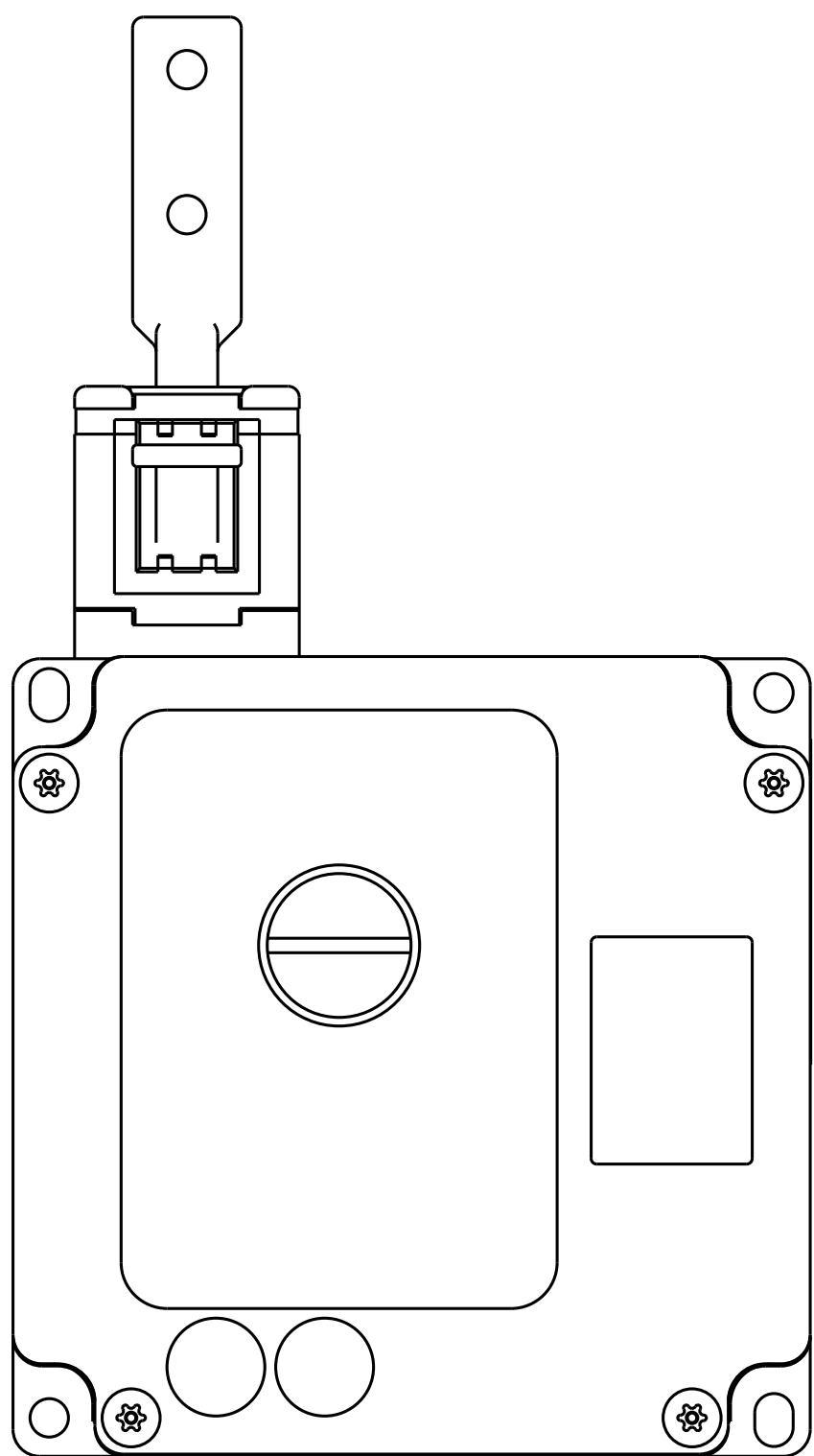
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DRAWN		PAGE 4 OF 16		RELEASE NO. PR-23758		REPLACES -	
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R	0083578	MSR	10NOV11				
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check	CMH	10NOV11	check	CMH	12MAY09	check	PRS

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FED. MFG. CODE 91929		SWITCH - DOOR INTERLOCK	
MICRO SWITCH a Honeywell Division		GK SERIES CHART 4	
DESIGN UNITS ☒ SI METRIC ☐ US CUSTOMARY		WEIGHT 1,5 kg / 3.3 LB	

THIRD ANGLE PROJECTION			
SCALE 2 : 1			
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE :			
NO PLACES		TOL.	
ONE PLACE	±	0.04	±
TWO PLACES	±	0.01/0.06	±
THREE PLACES	±	0.01/0.06	±
ANGLES			
DESIGN UNITS	☒ SI METRIC	☐ US CUSTOMARY	
WEIGHT 1,5 kg / 3.3 LB			

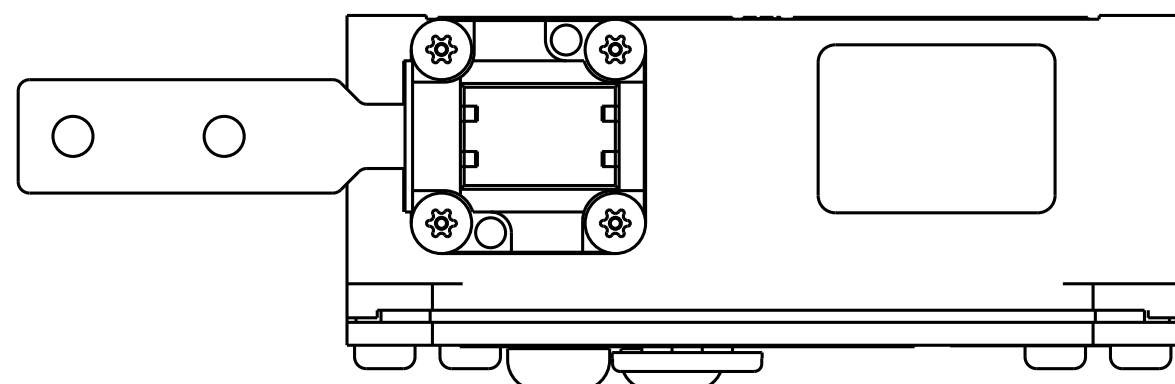
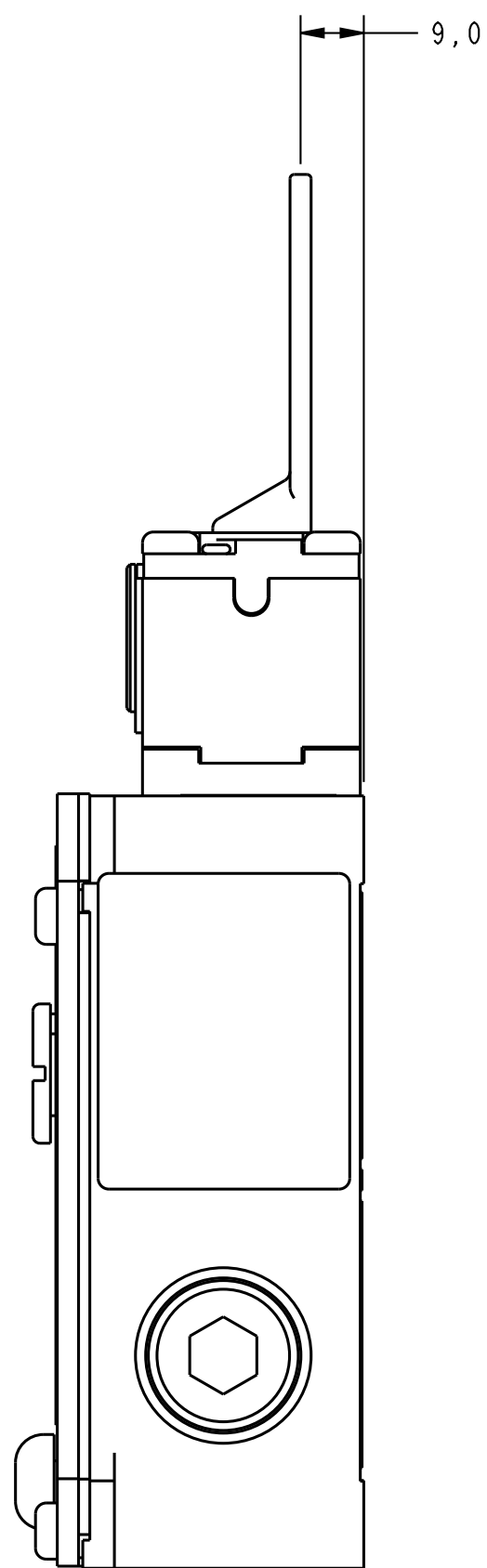


WITH KEY IN FRONT ENTRY POSITION

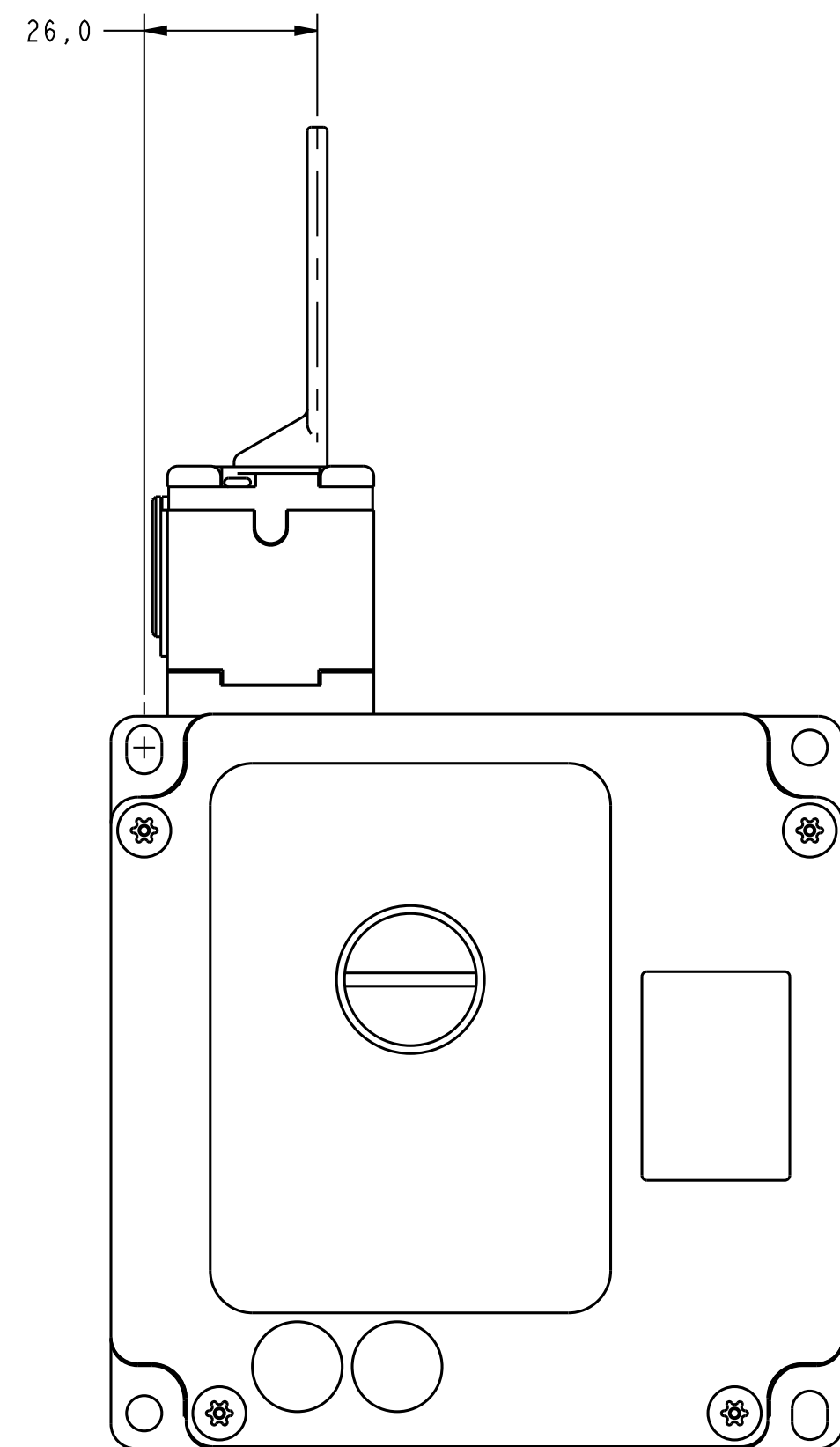


WITH KEY IN TOP ENTRY POSITION

HEAD CODE N

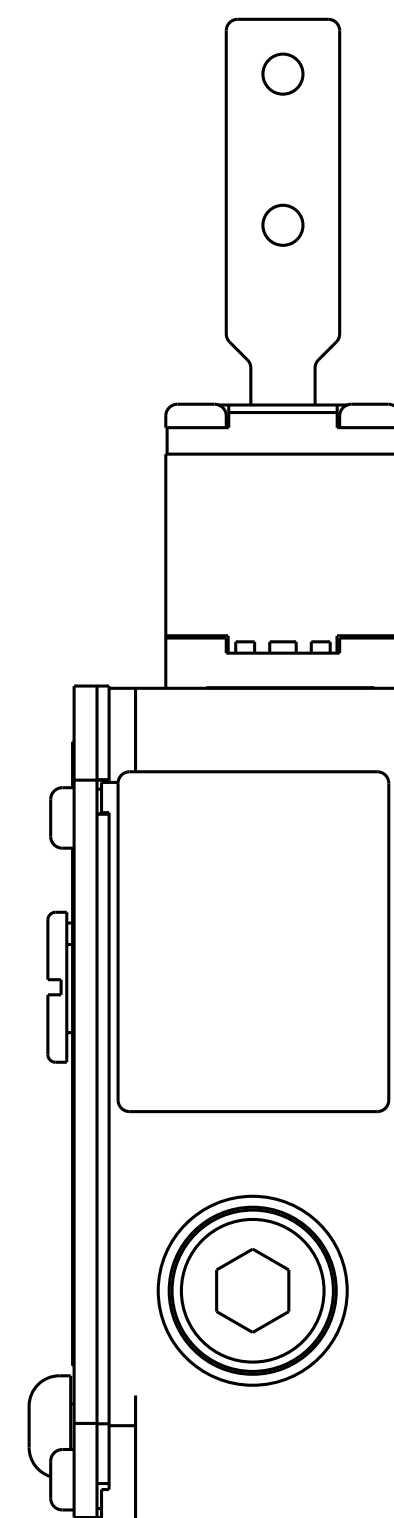


WITH KEY IN FRONT ENTRY POSITION



WITH KEY IN TOP ENTRY POSITION

HEAD CODE P

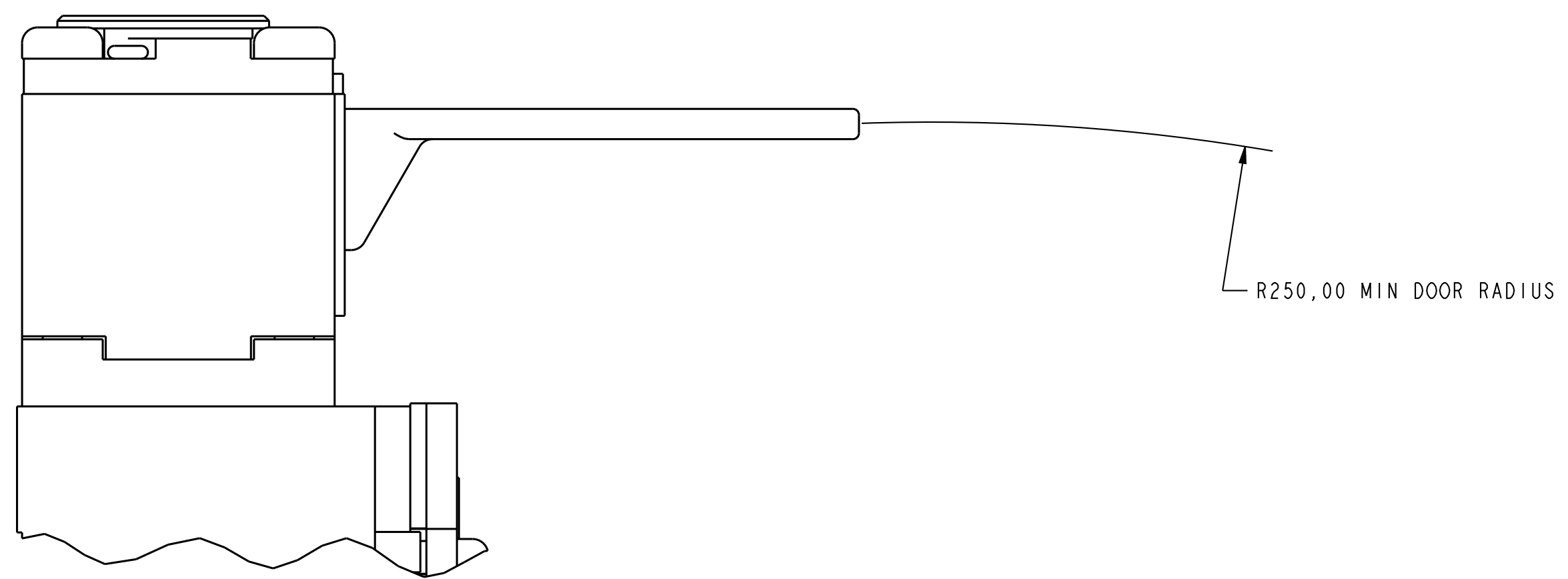
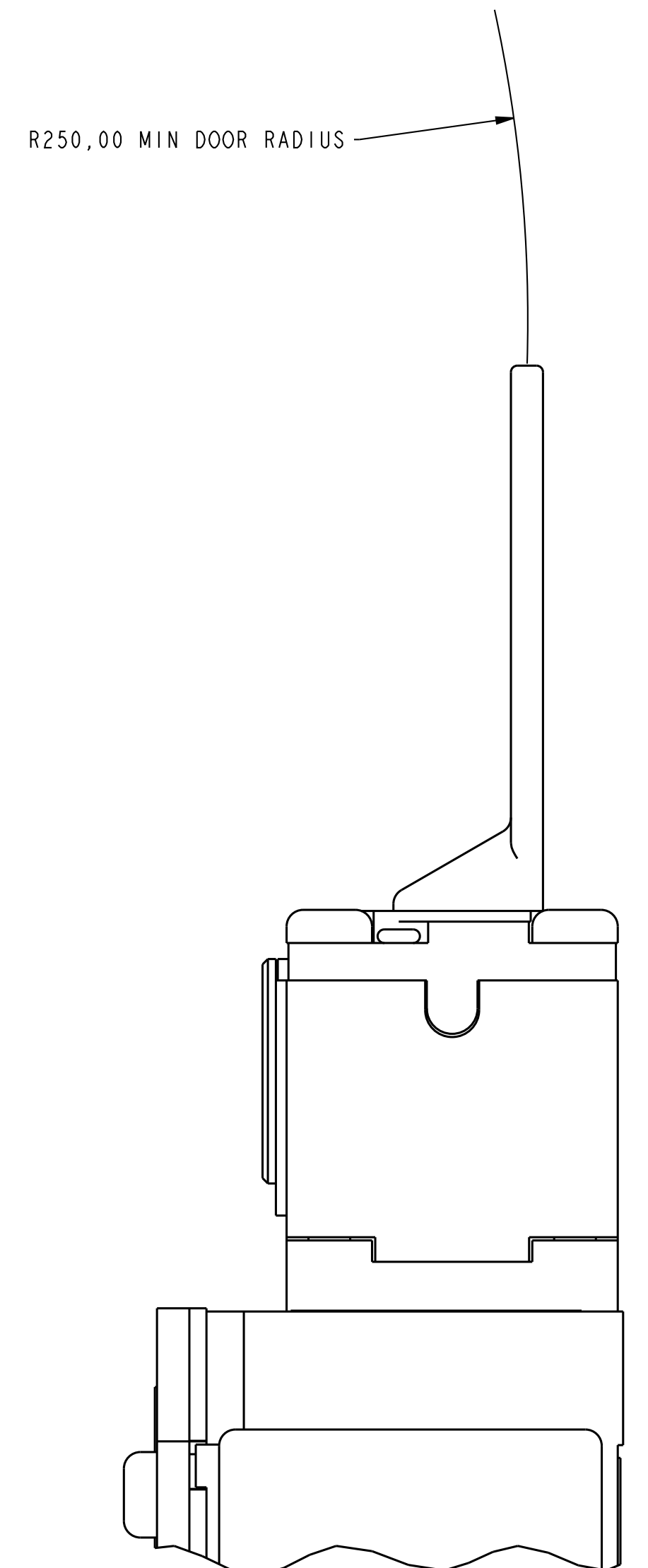
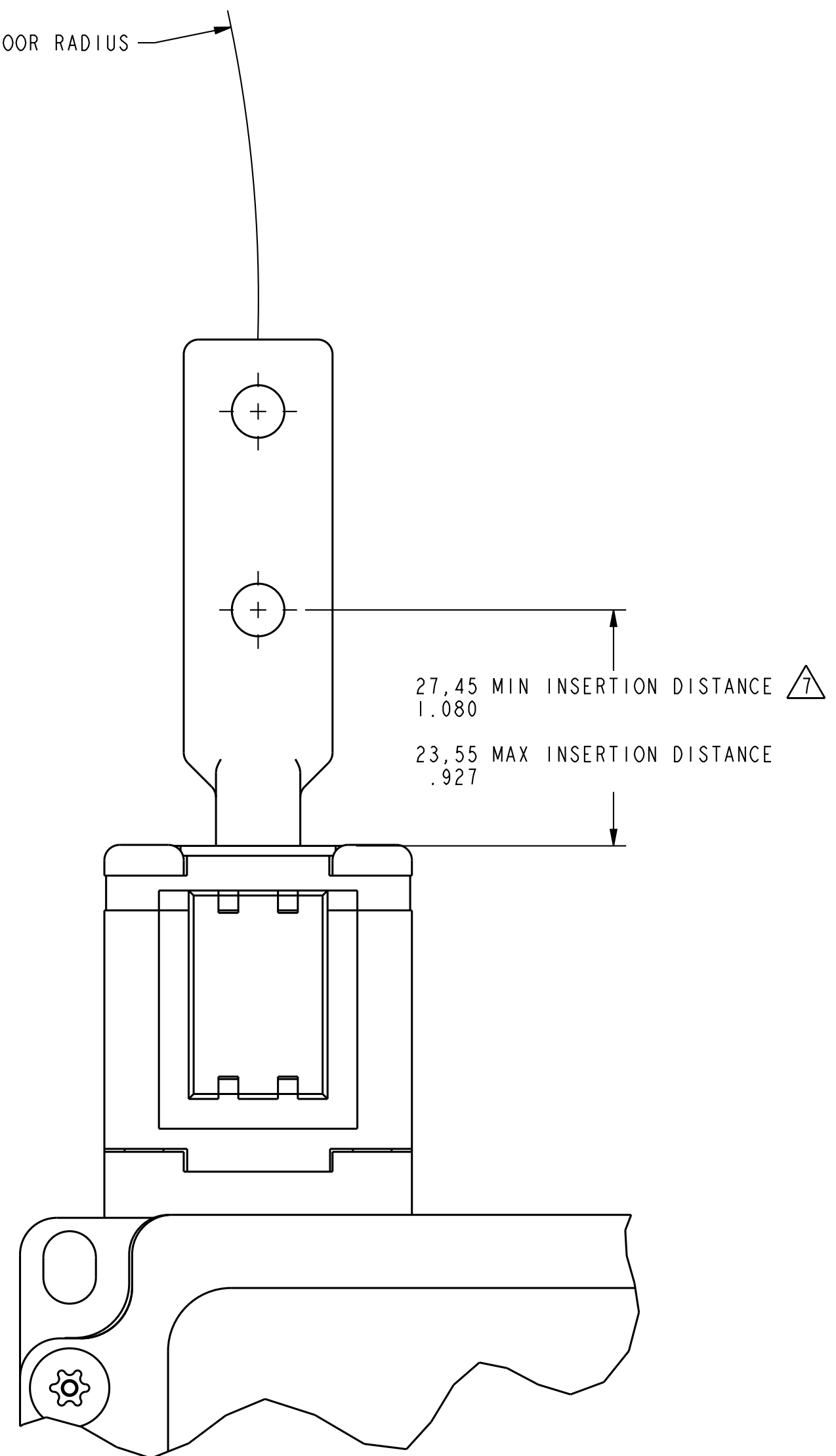
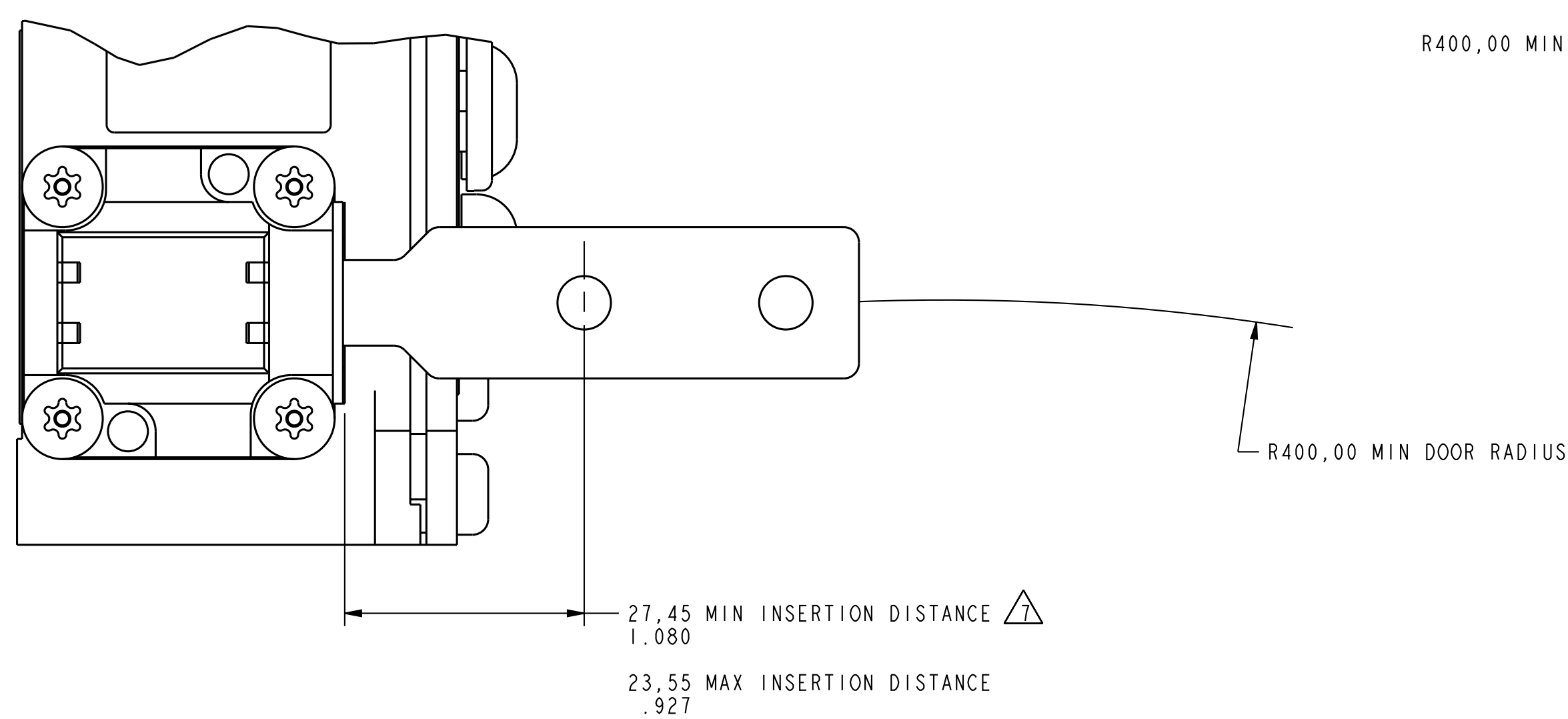
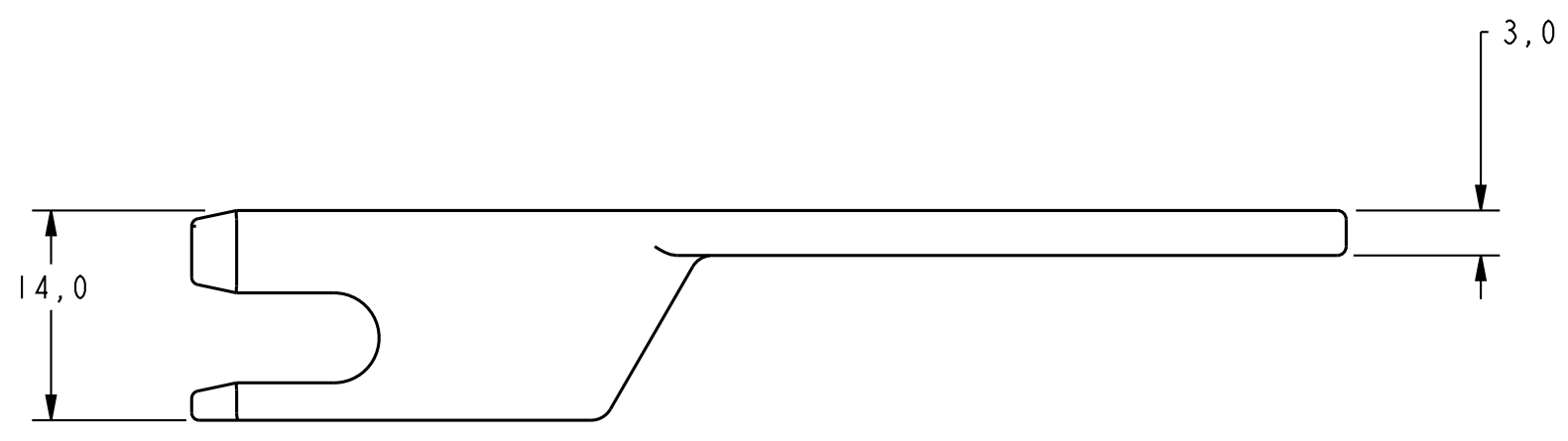
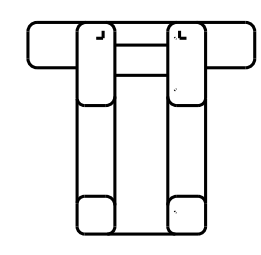
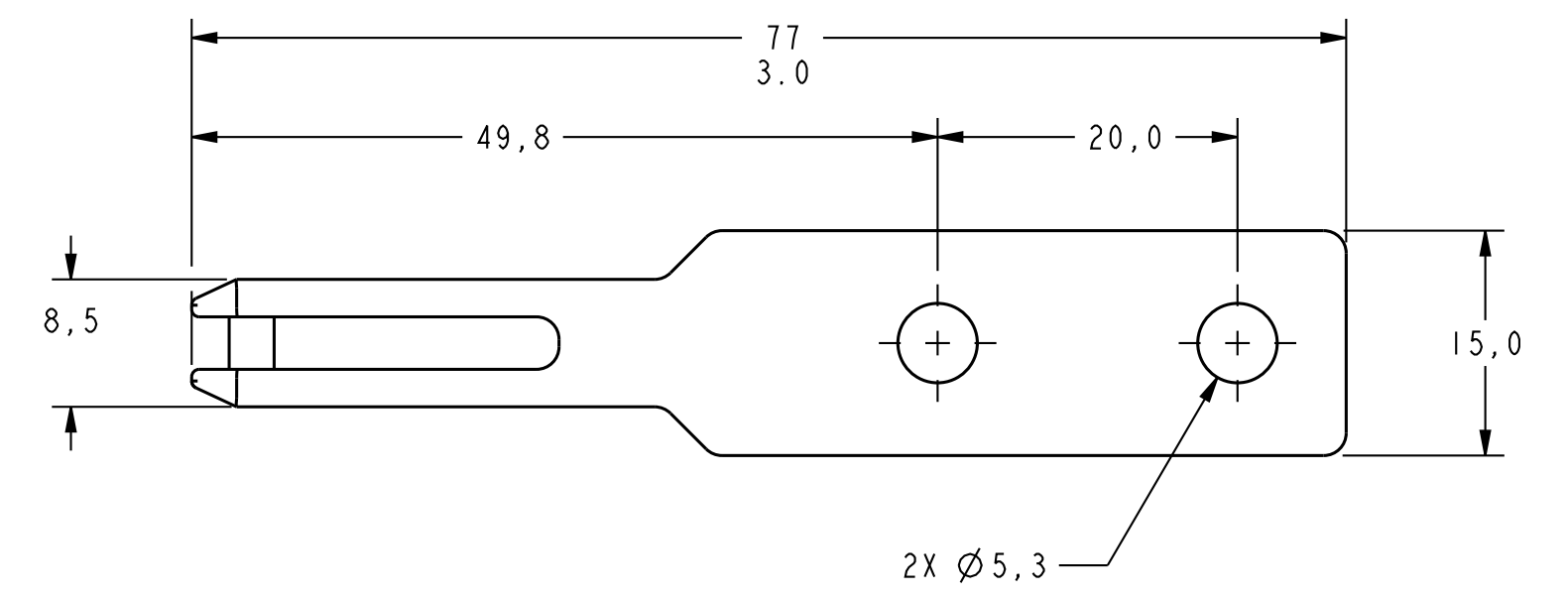


PTC/CAD	3D	DRW	30SEP88	check	CMH	12MAY89	check	PRG	04FEB89	check	CMH	10NOV11	RELEASE NO. PR-23758	5 OF 16	REPLACES	-
5254	ISSUE	5254	0047583	SS	04FEB89	0065737	31MAY10	0083578	04FEB89	0047583	0065737	0083578	0047583	0065737	0083578	0047583
REVISIONS	DATE	BY	CHKD	APPD	DATE	BY	CHKD	APPD	DATE	BY	CHKD	APPD	DATE	BY	CHKD	APPD
1	04FEB89	SS	04FEB89	0065737	31MAY10	0083578	04FEB89	0047583	0065737	0083578	0047583	0065737	0083578	0047583	0065737	0083578

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

THIRD ANGLE PROJECTION			
SCALE 1:1			
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE, UNLESS NOTED. TOLERANCES ARE 1			
NO PLACES	1	1/16	0.0625
ONE PLACE	1/16	0.0625	0.0625
TWO PLACES	1/32	0.03125	0.03125
THREE PLACES	1/64	0.015625	0.015625
ANGLES	1/16	0.0625	0.0625

KEY CODE 6



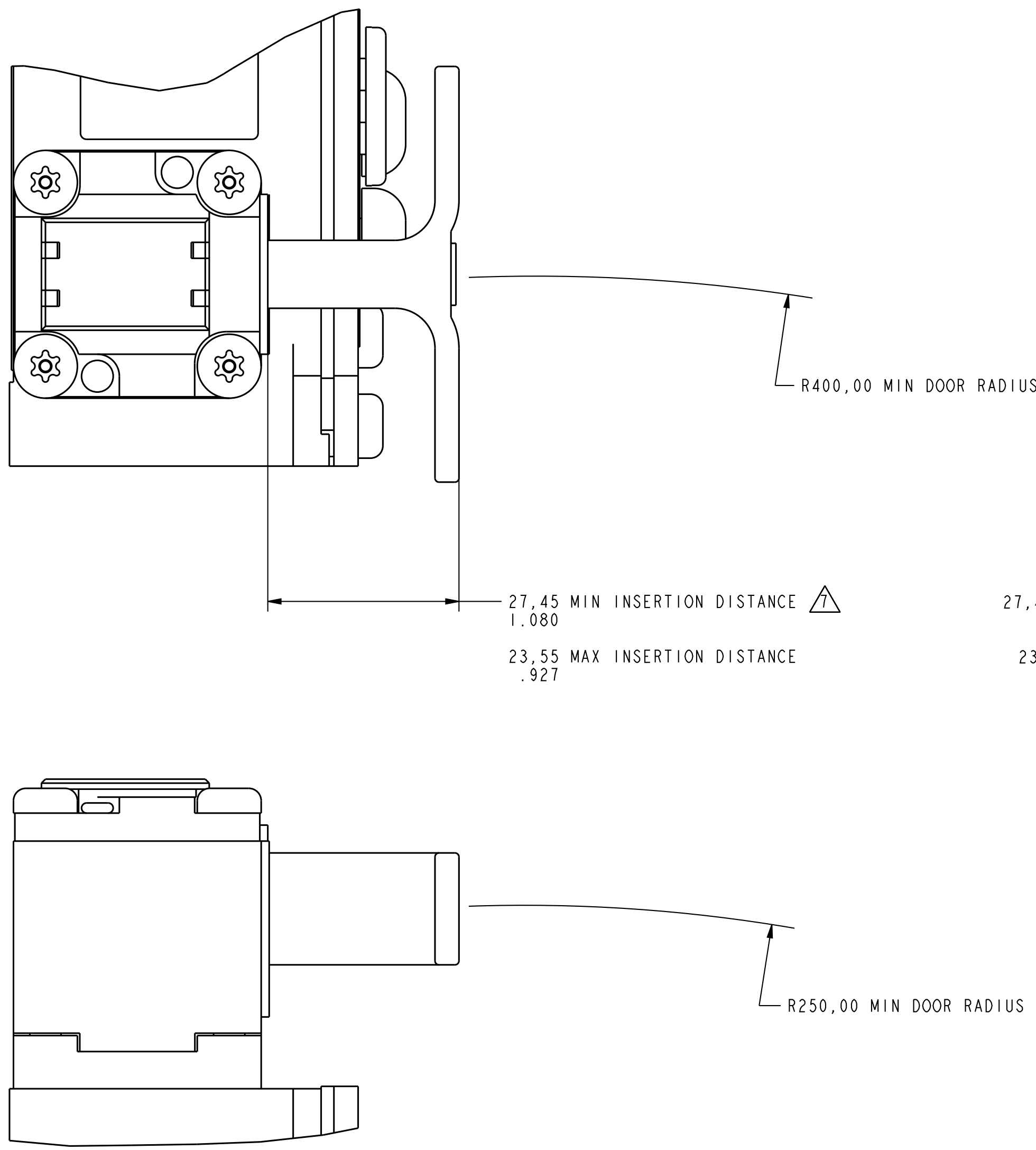
FRONT KEY ENTRY

TOP KEY ENTRY

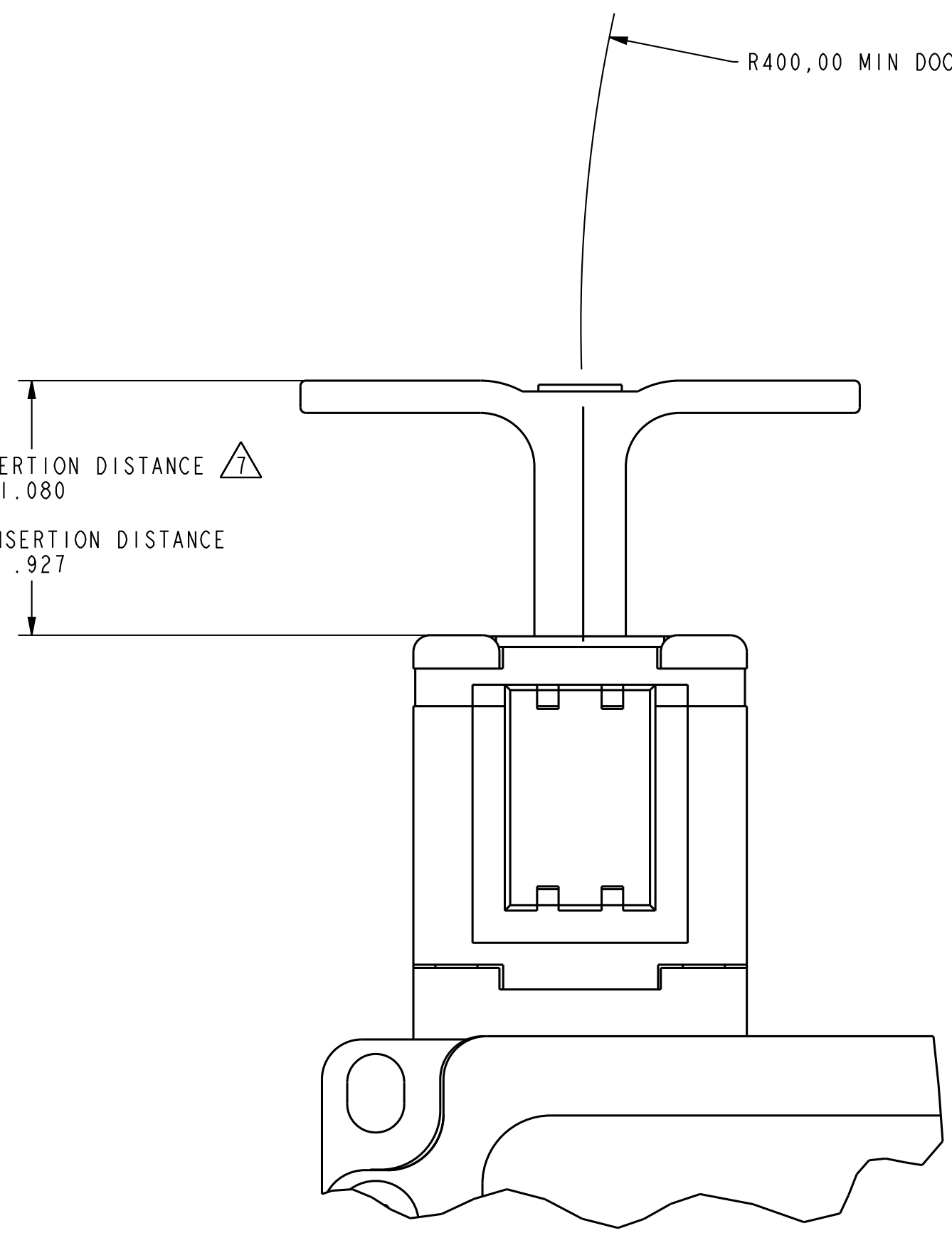
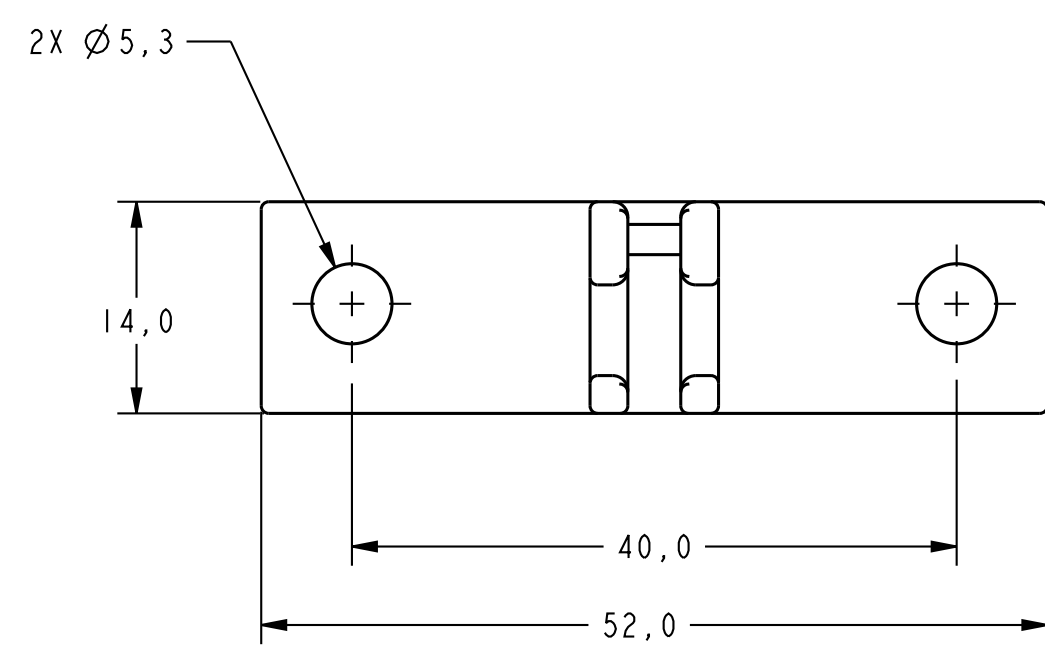
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MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK	
DESIGN UNITS ☒ SI METRIC		US CUSTOMARY ☐	
WEIGHT 1.5 KG / 3.3 LB		GK SERIES CHART 4	

THIRD ANGLE PROJECTION			
SCALE 2 : 1			
DO NOT SCALE PRINT			
TOLERANCES APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 1			
NO PLACES	1	1/16	1/16
ONE PLACE	1/16	1/16	1/16
TWO PLACES	1/32	1/32	1/32
THREE PLACES	1/64	1/64	1/64
ANGLES	1/16	1/16	1/16

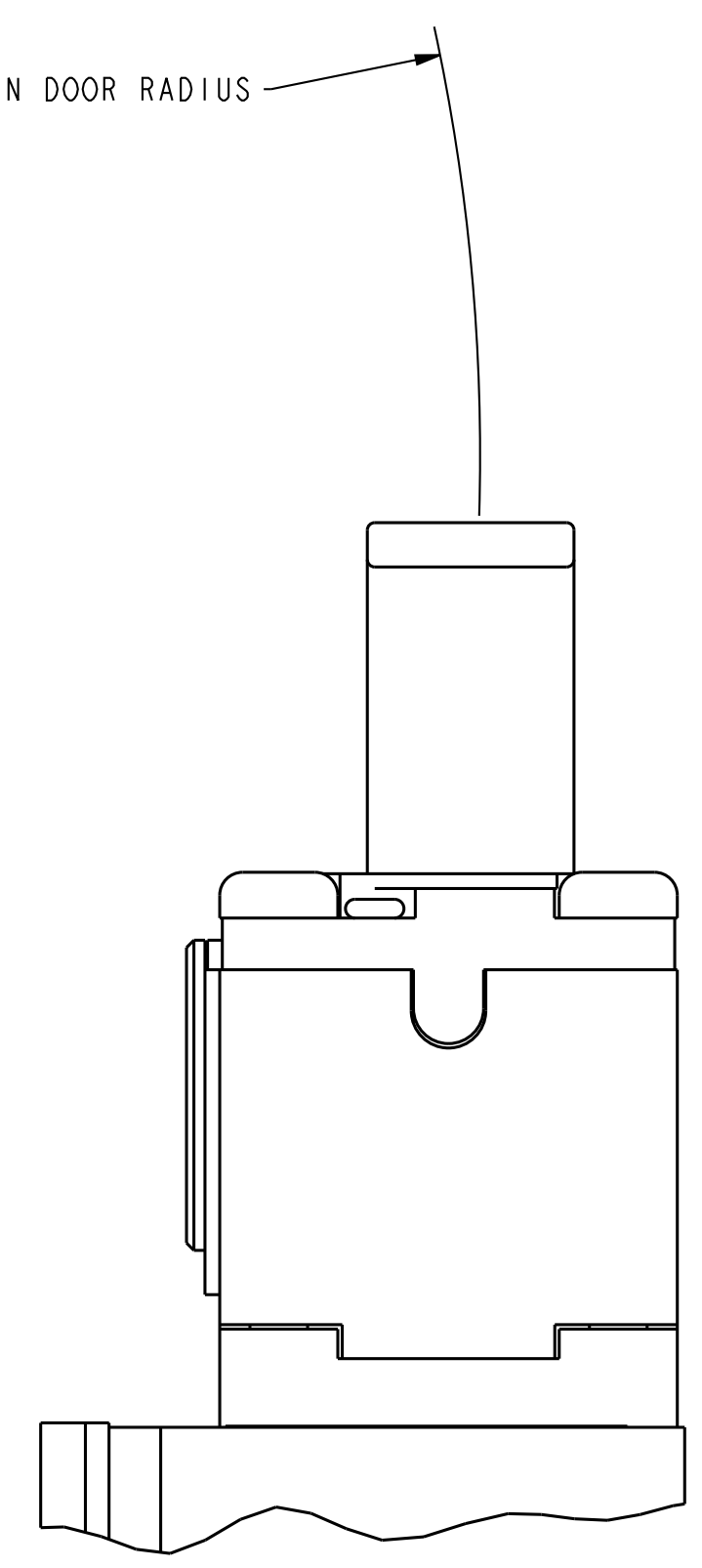
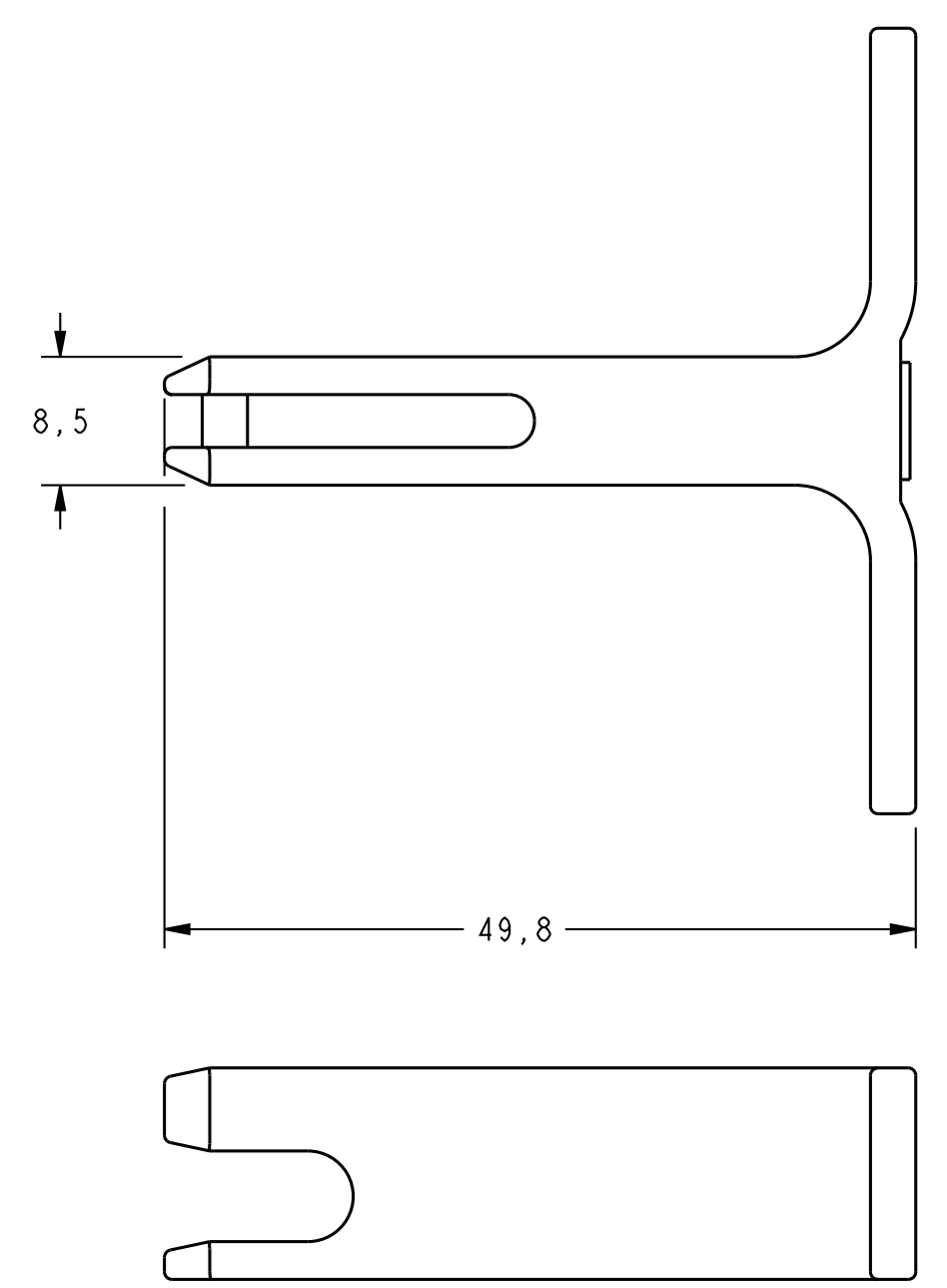
KEY CODE 7



FRONT KEY ENTRY



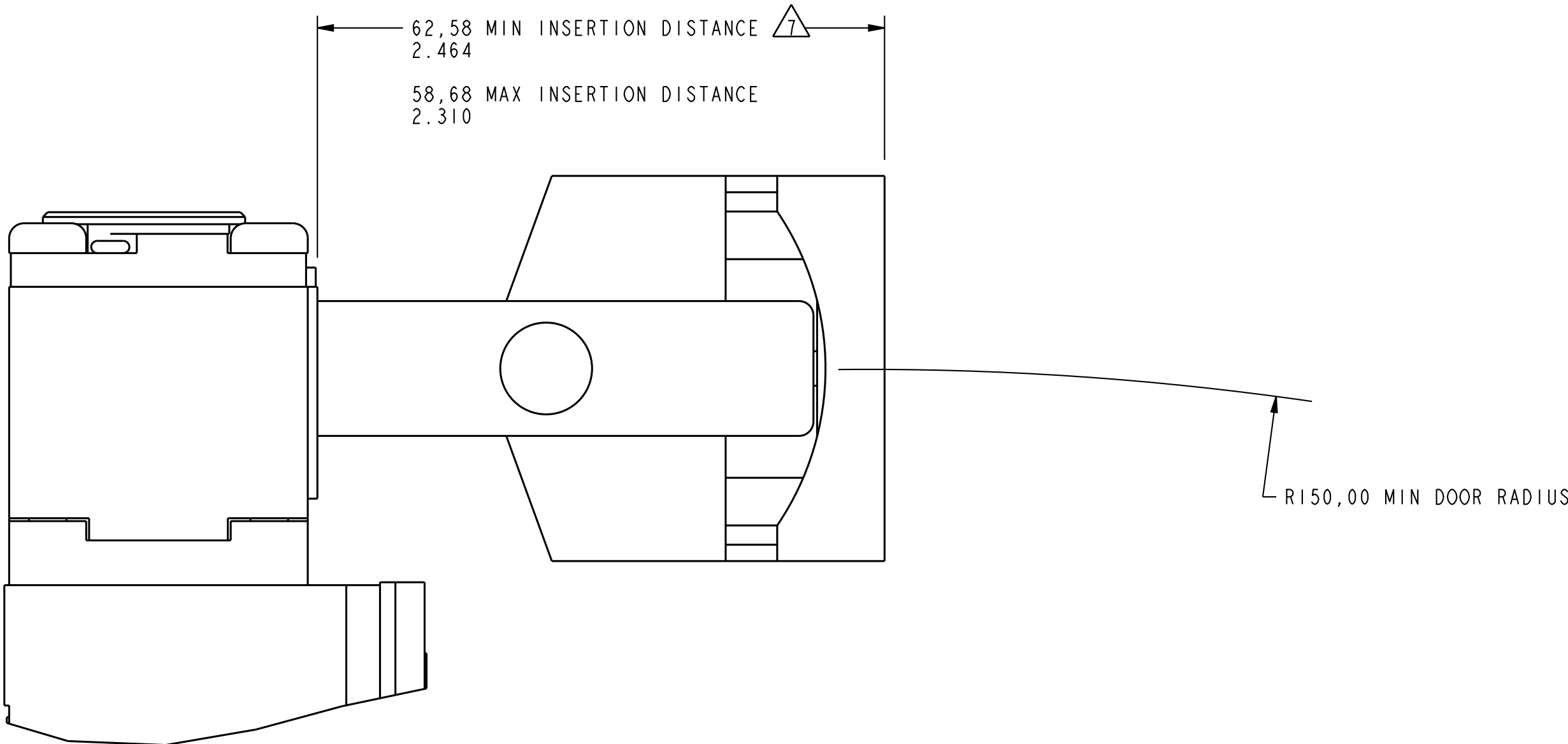
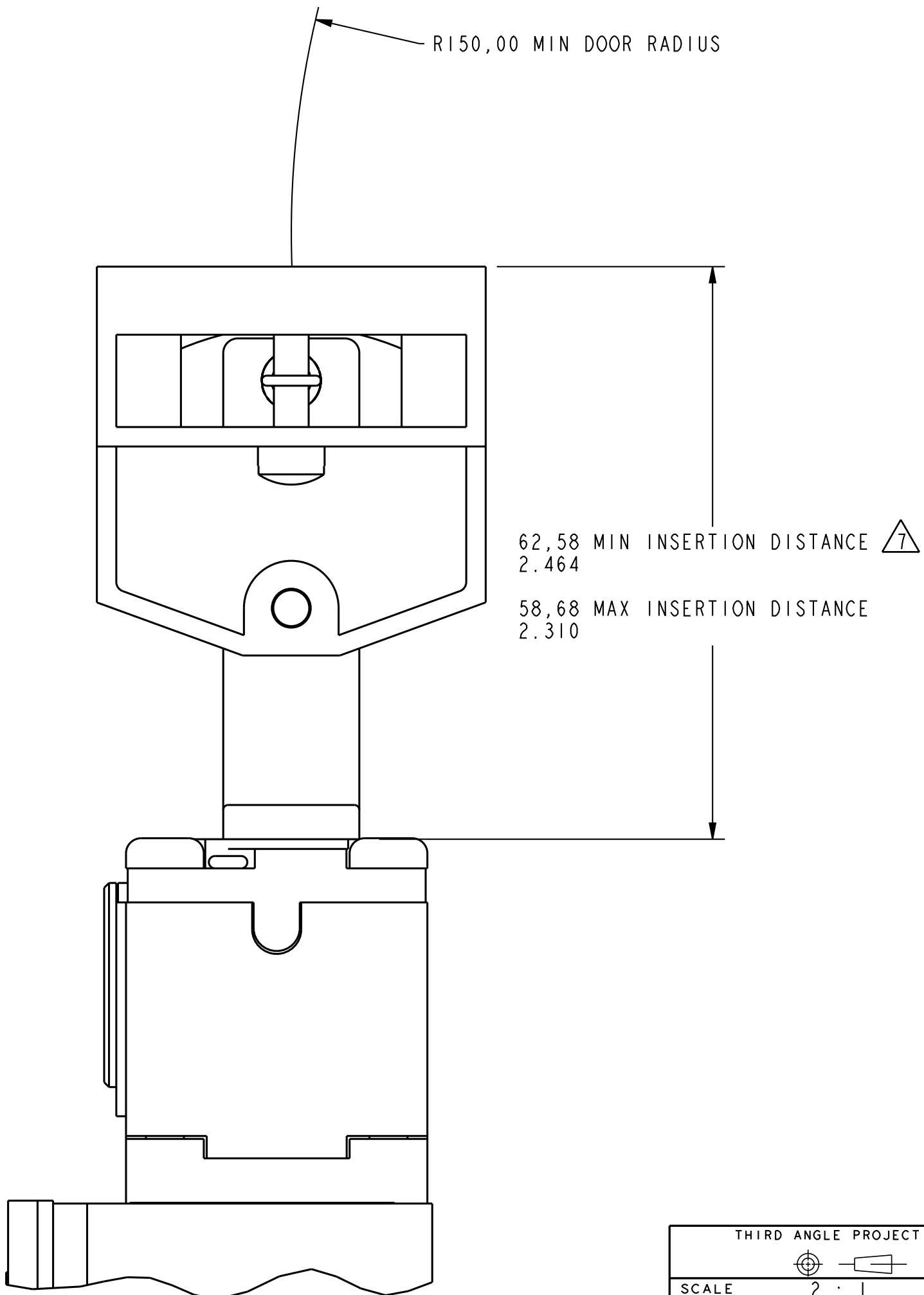
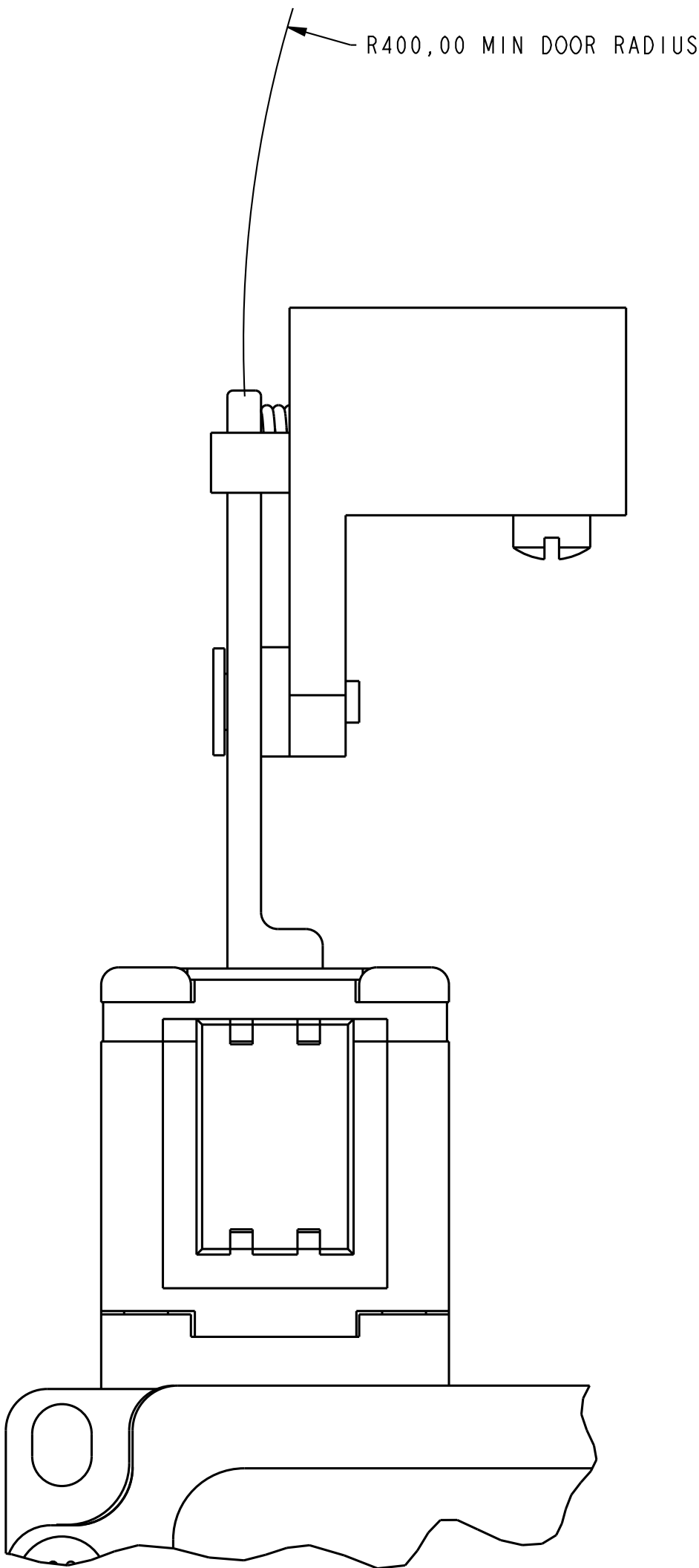
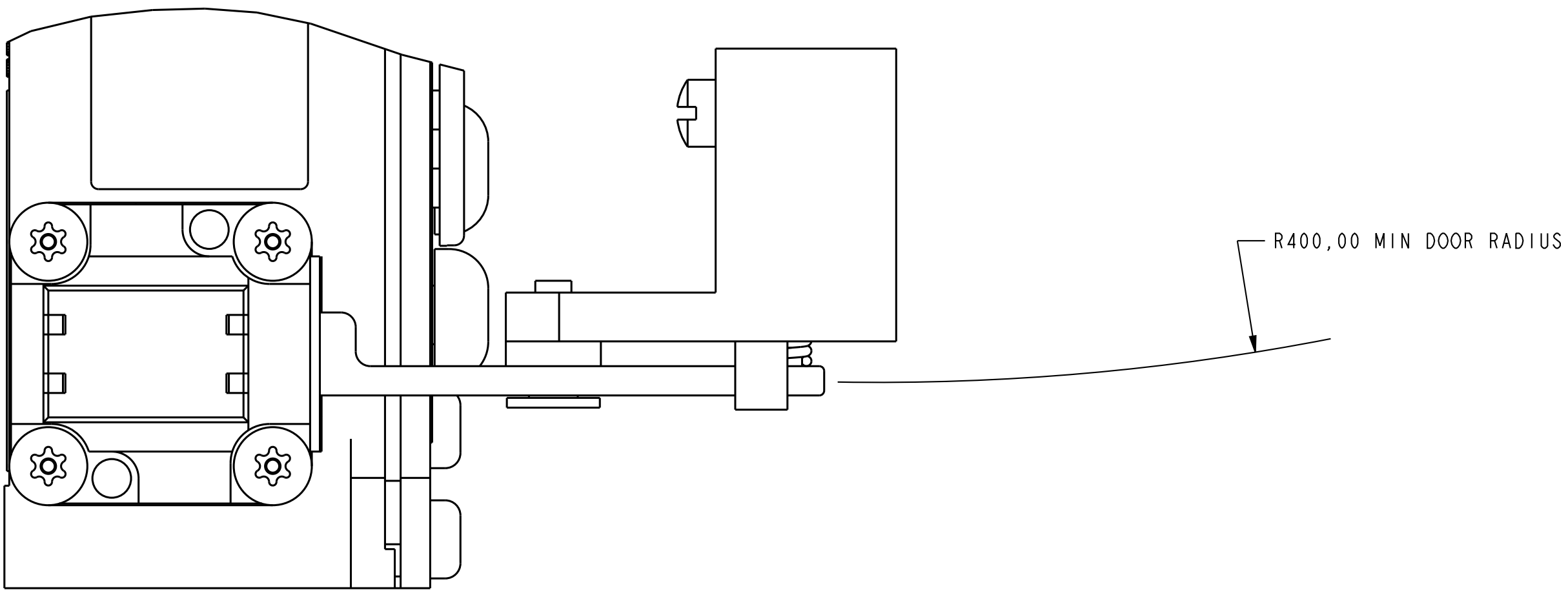
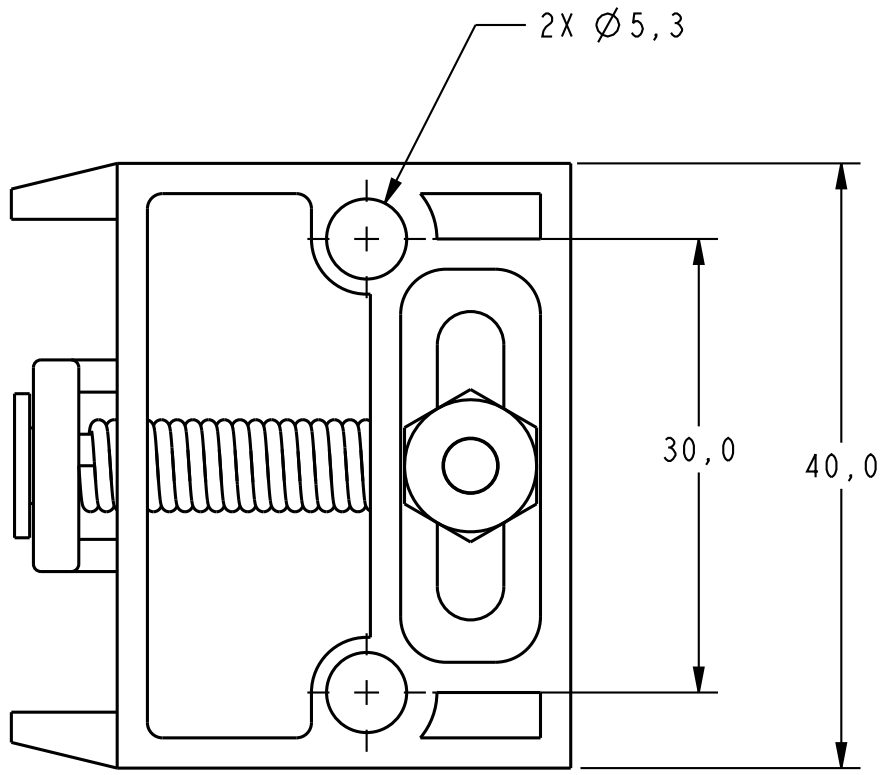
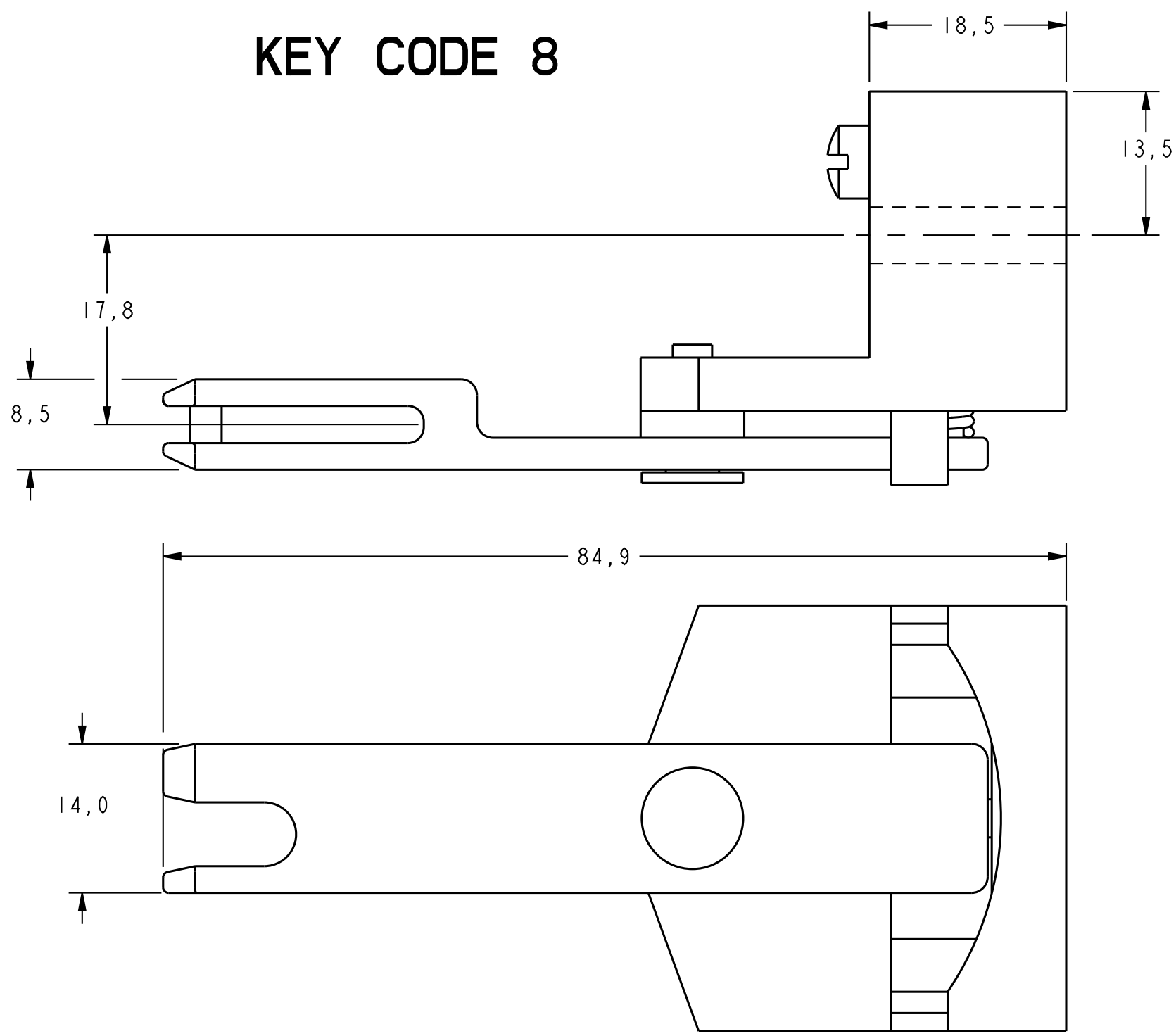
TOP KEY ENTRY



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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			

THIRD ANGLE PROJECTION					
SCALE 2 : 1					
DO NOT SCALE PRINT					
TOLERANCES APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 1					
NO PLACES	ONE PLACE	TWO PLACES	THREE PLACES	SI METRIC	US CUSTOMARY
	2, XX	2, XX	2, XX	1/16, 1/32, 3/64, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4, 4 1/4, 4 1/2, 4 3/4, 5, 5 1/4, 5 1/2, 5 3/4, 6, 6 1/4, 6 1/2, 6 3/4, 7, 7 1/4, 7 1/2, 7 3/4, 8, 8 1/4, 8 1/2, 8 3/4, 9, 9 1/4, 9 1/2, 9 3/4, 10	1/16, 1/8, 3/16, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4, 4 1/4, 4 1/2, 4 3/4, 5, 5 1/4, 5 1/2, 5 3/4, 6, 6 1/4, 6 1/2, 6 3/4, 7, 7 1/4, 7 1/2, 7 3/4, 8, 8 1/4, 8 1/2, 8 3/4, 9, 9 1/4, 9 1/2, 9 3/4, 10

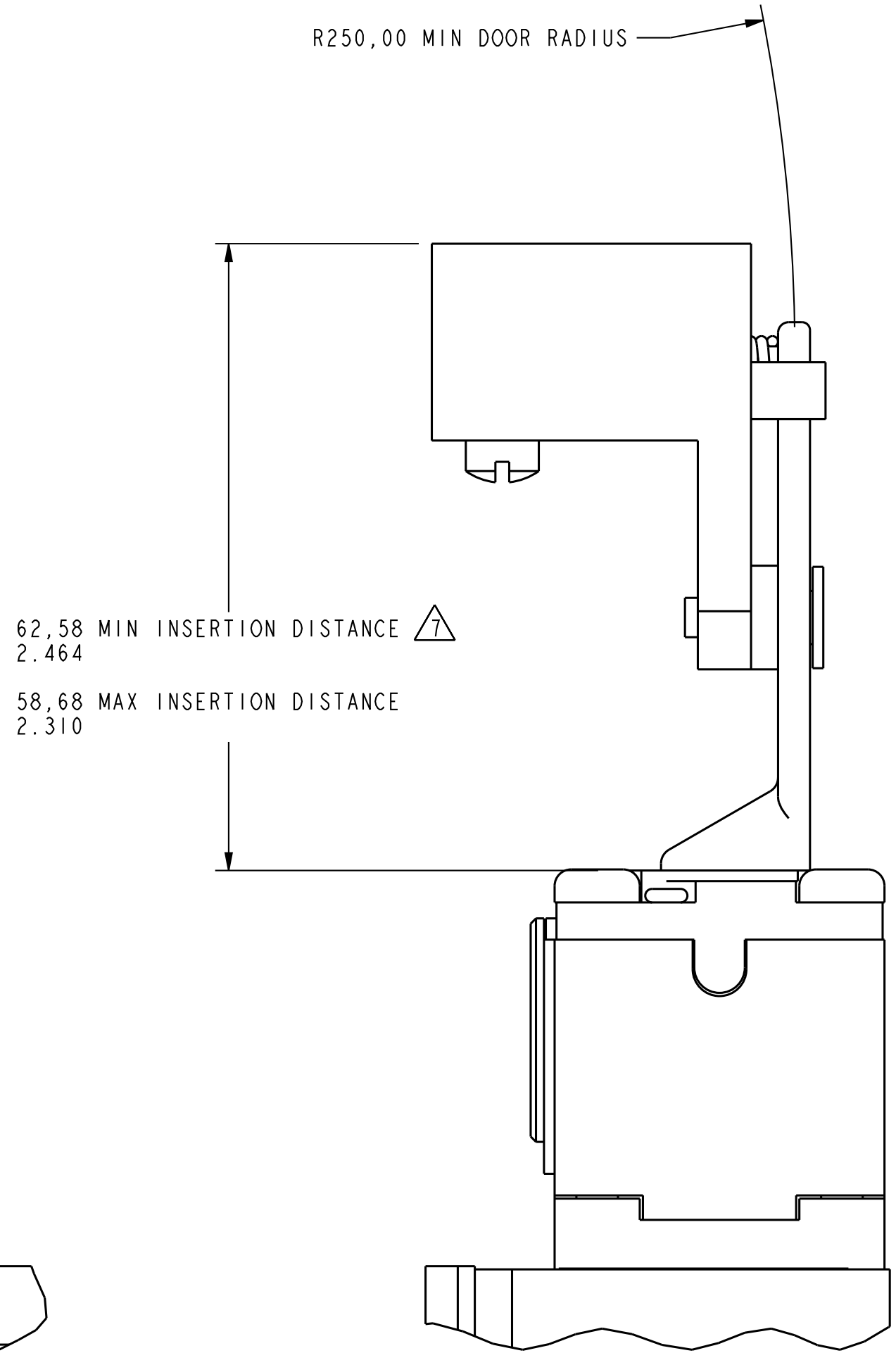
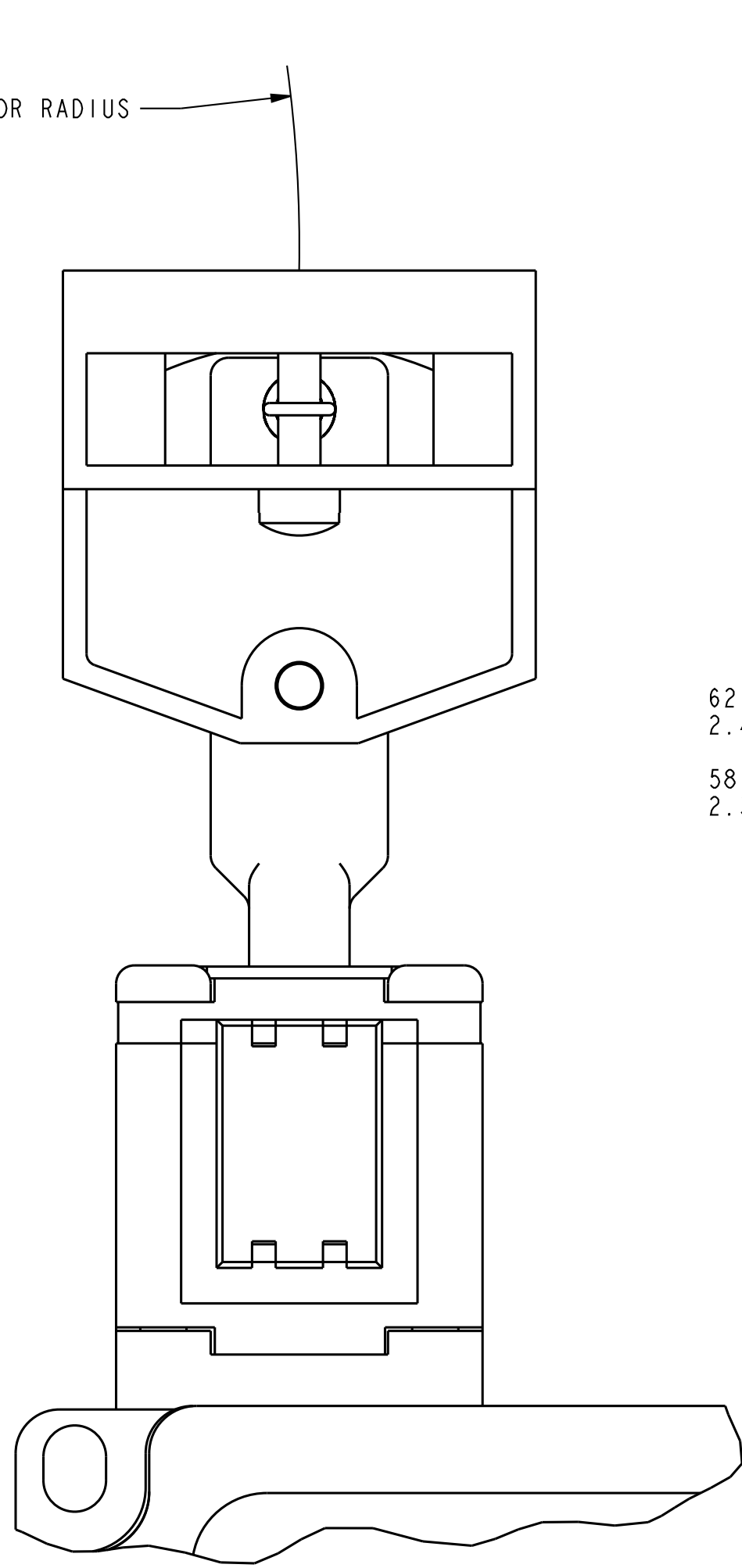
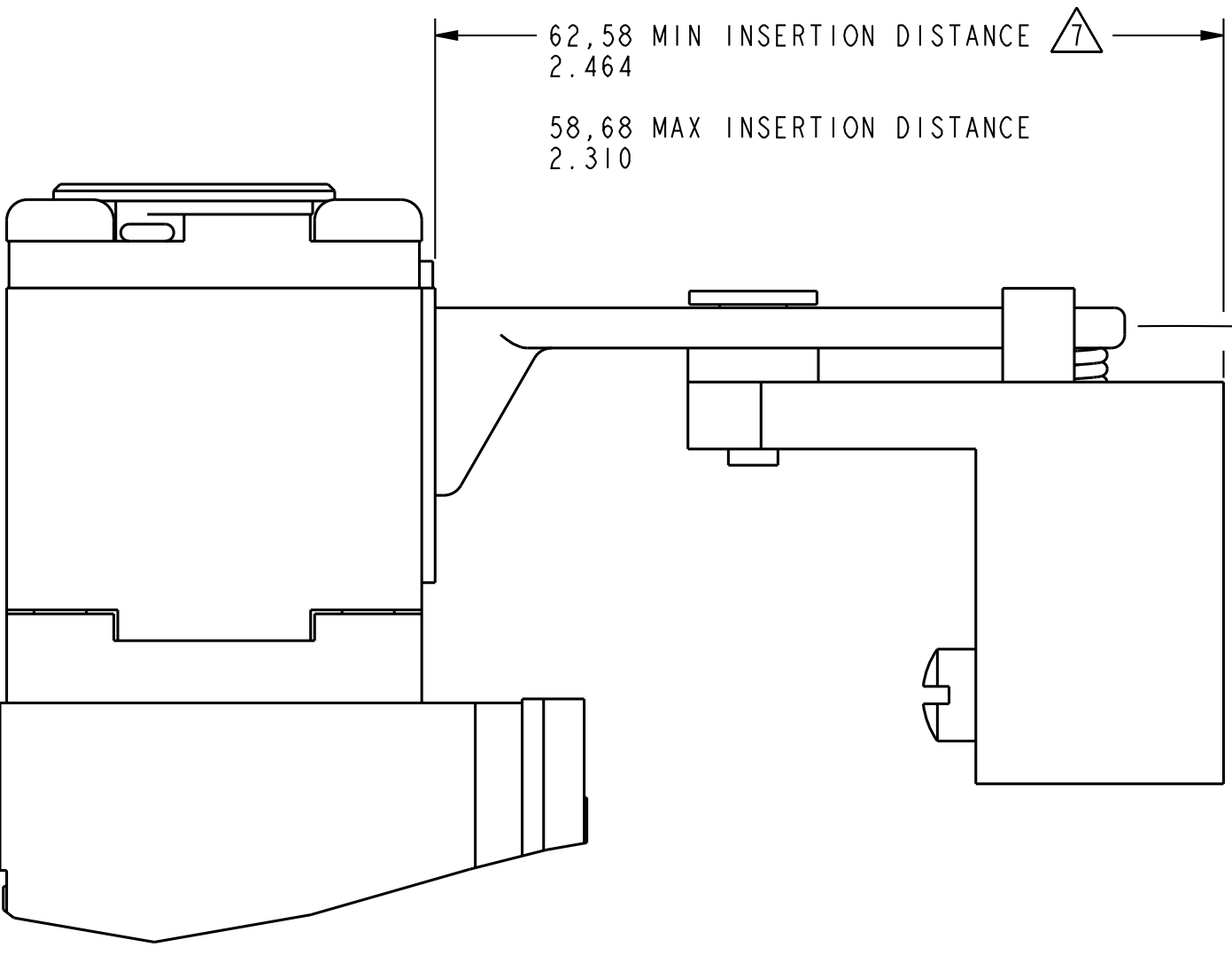
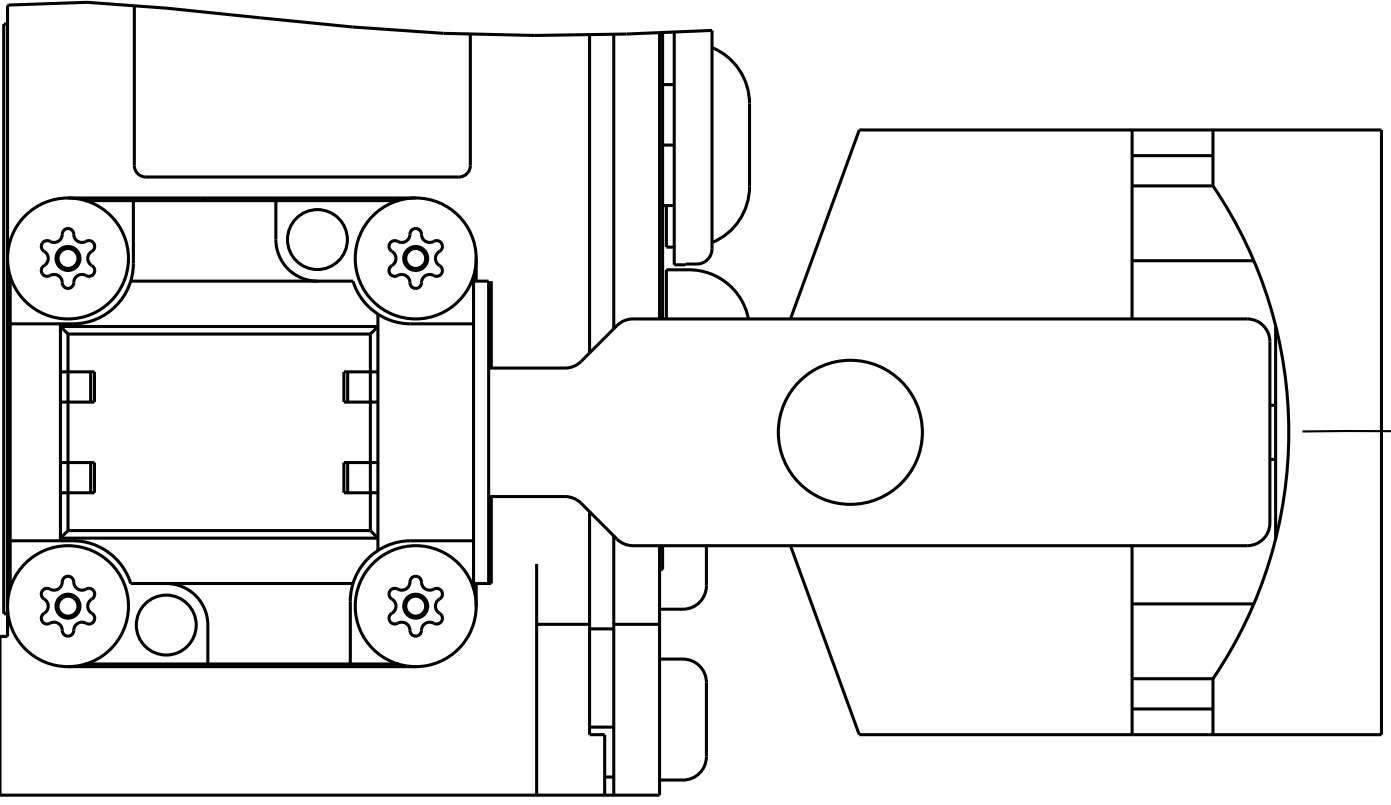
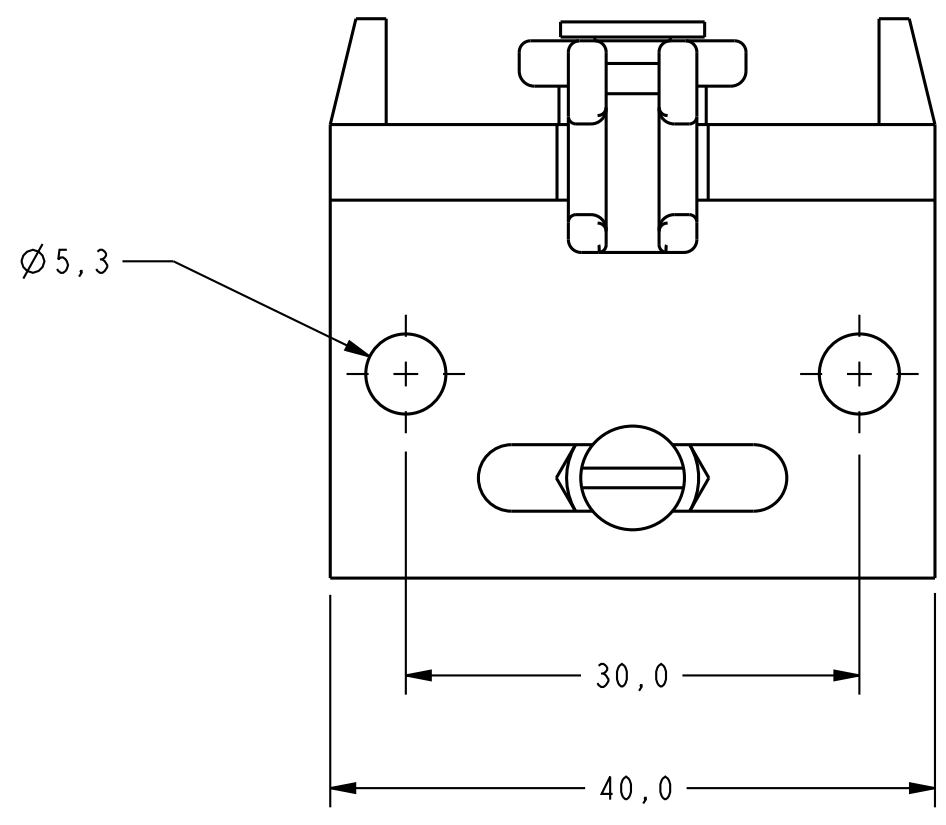
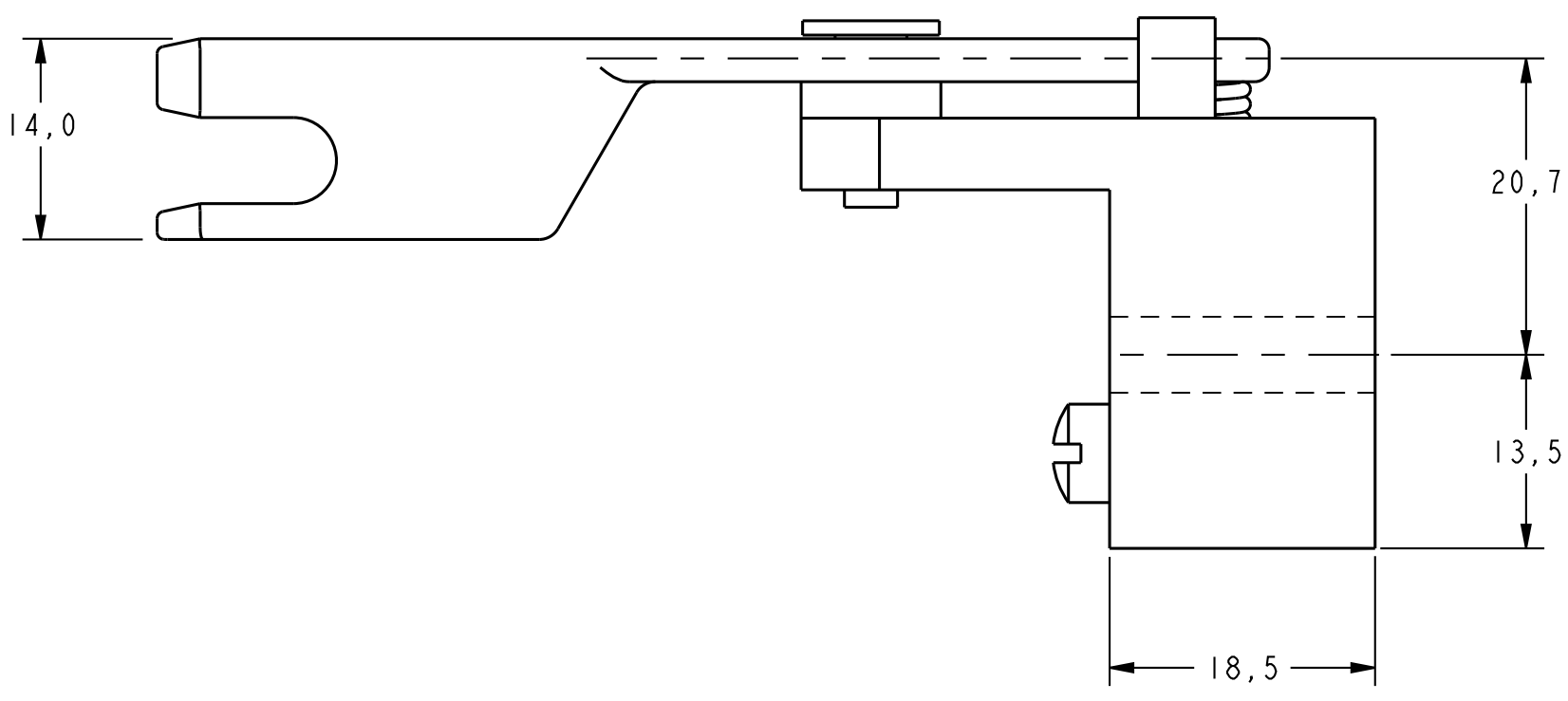
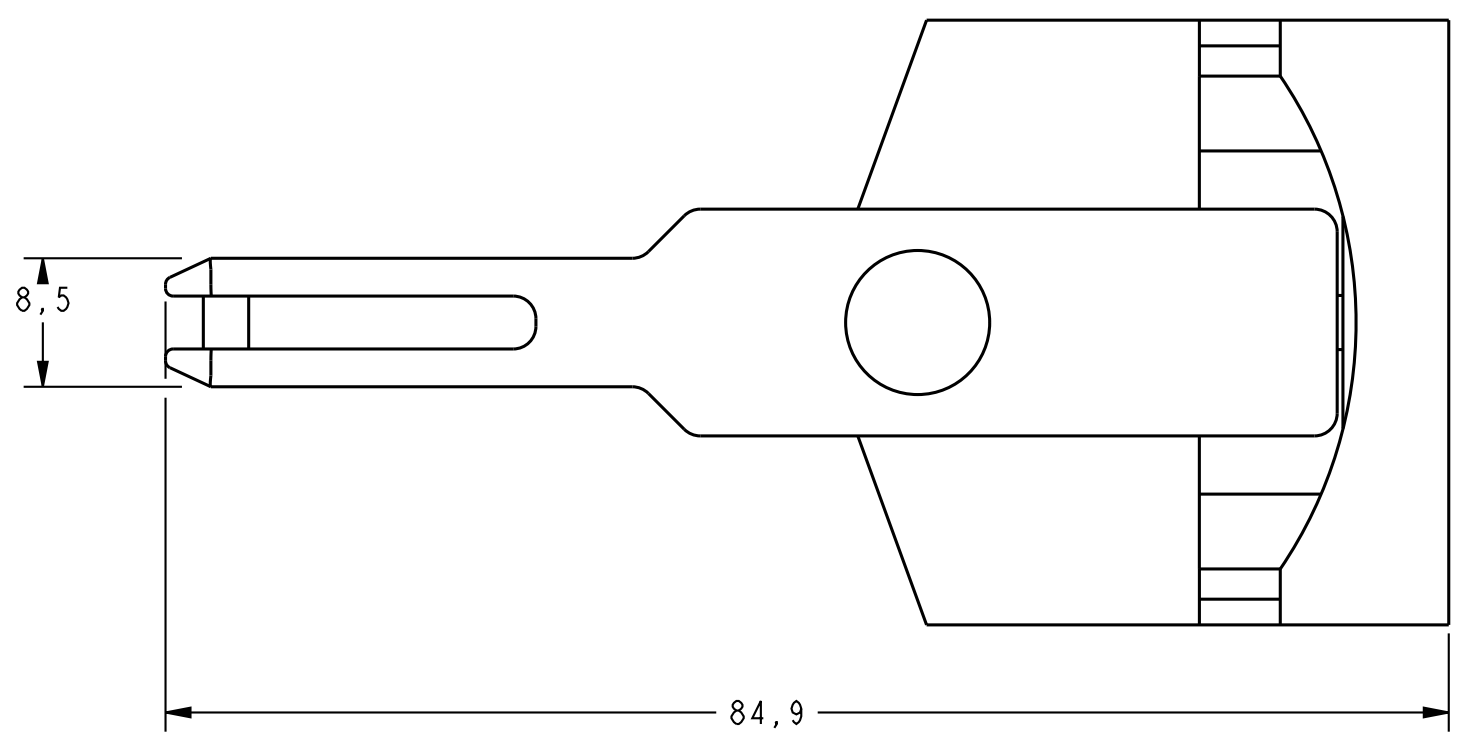
KEY CODE 8



FRONT KEY ENTRY

TOP KEY ENTRY

KEY CODE 9

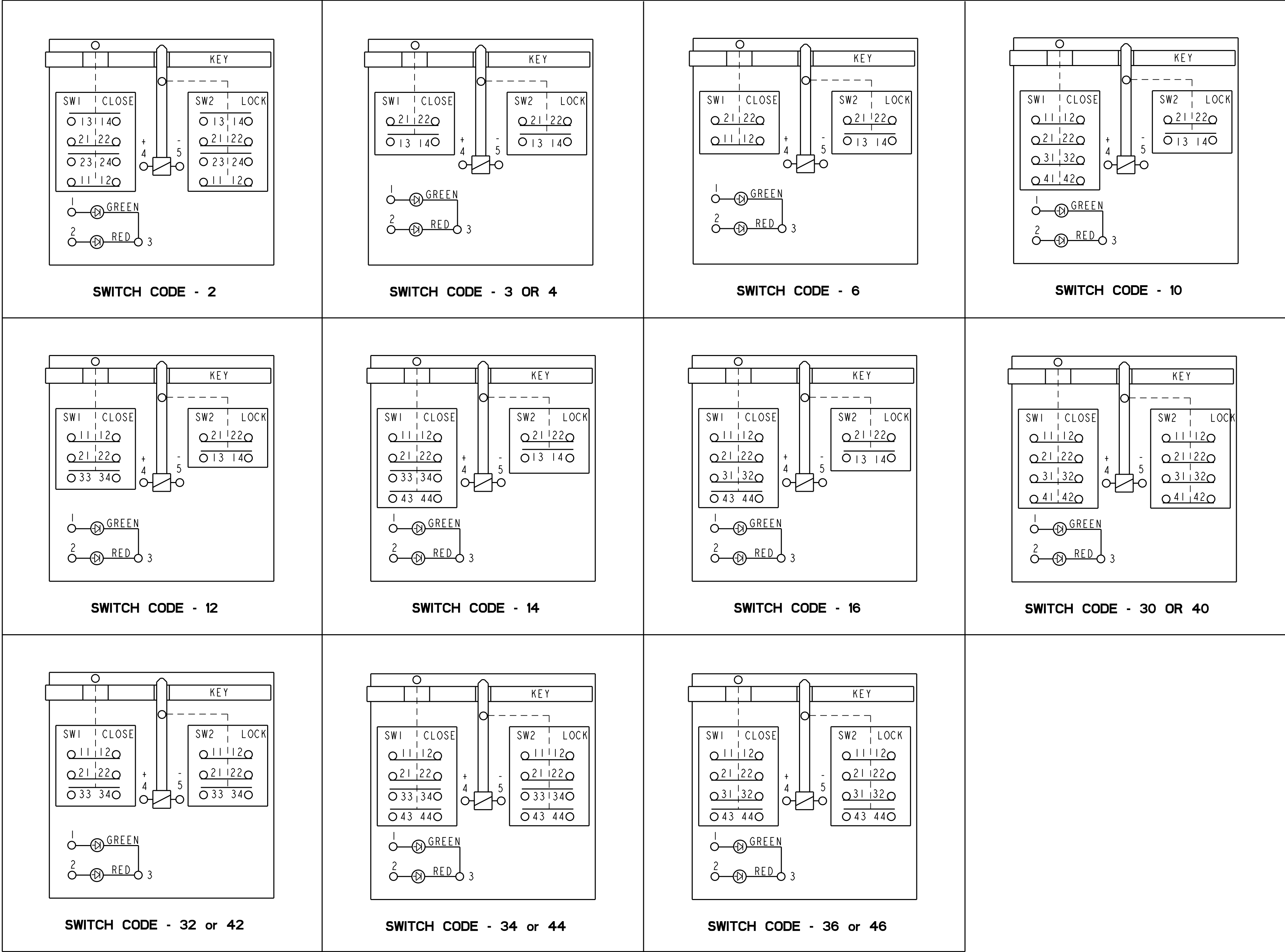


TOP KEY ENTRY

FRONT KEY ENTRY

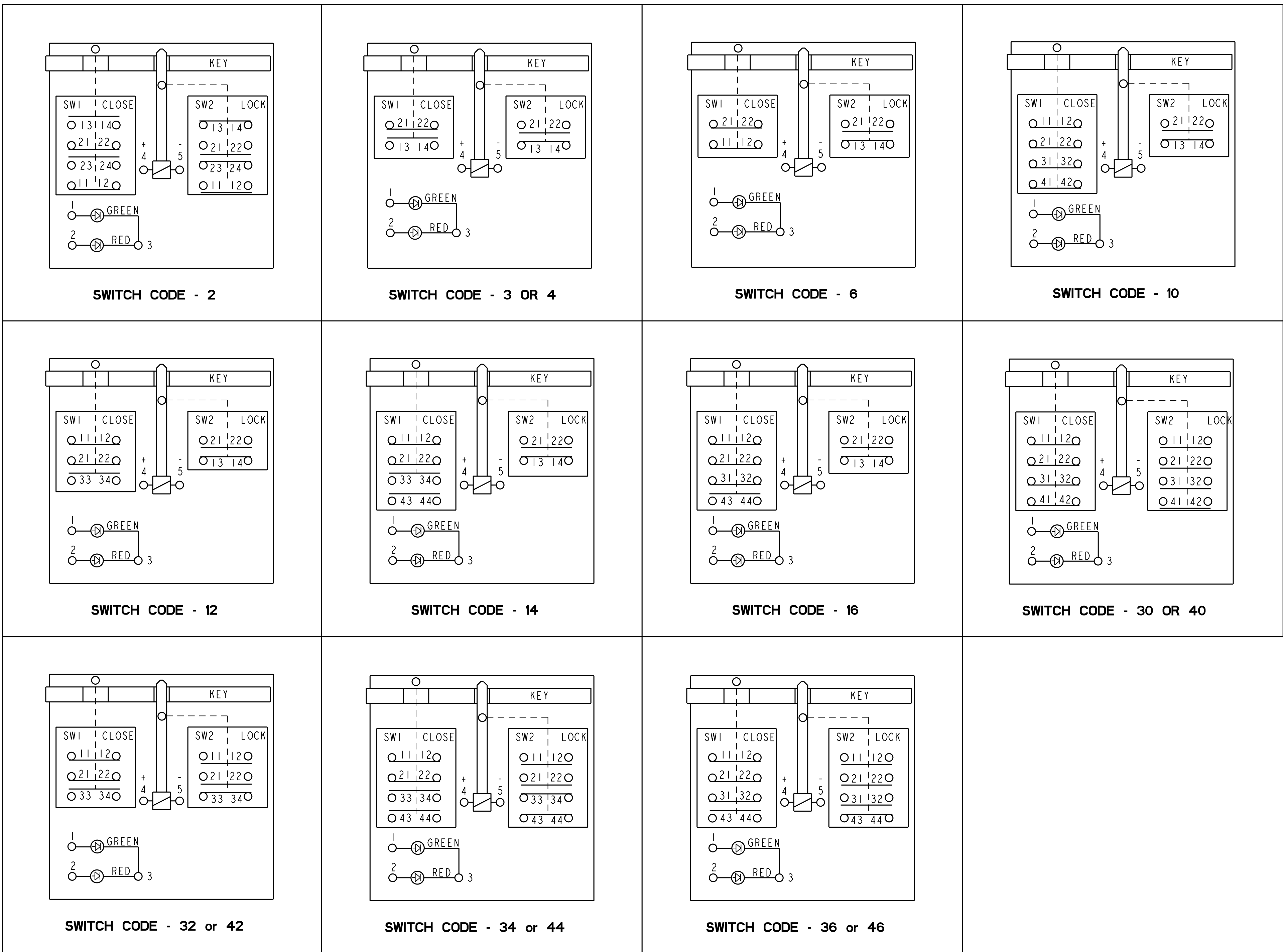
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.			
FED. MFG. CODE 91929		CATALOG LISTING	
MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK	
DESIGN UNITS ☒ SI METRIC ☐		GK SERIES CHART 4	
WEIGHT 1,5 KG / 3,3 LB			

THIRD ANGLE PROJECTION			
SCALE 2 : 1			
DO NOT SCALE PRINT			
TOLERANCES: APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 1			
NO PLACES	MM	TOL.	INCHES
ONE PLACE	1,0	0,04	0,0016
TWO PLACES	0,1	0,006	0,0005
THREE PLACES	0,01	0,0006	0,00005
ANGLES			
DESIGN UNITS	SI METRIC ☒ US CUSTOMARY ☐		



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





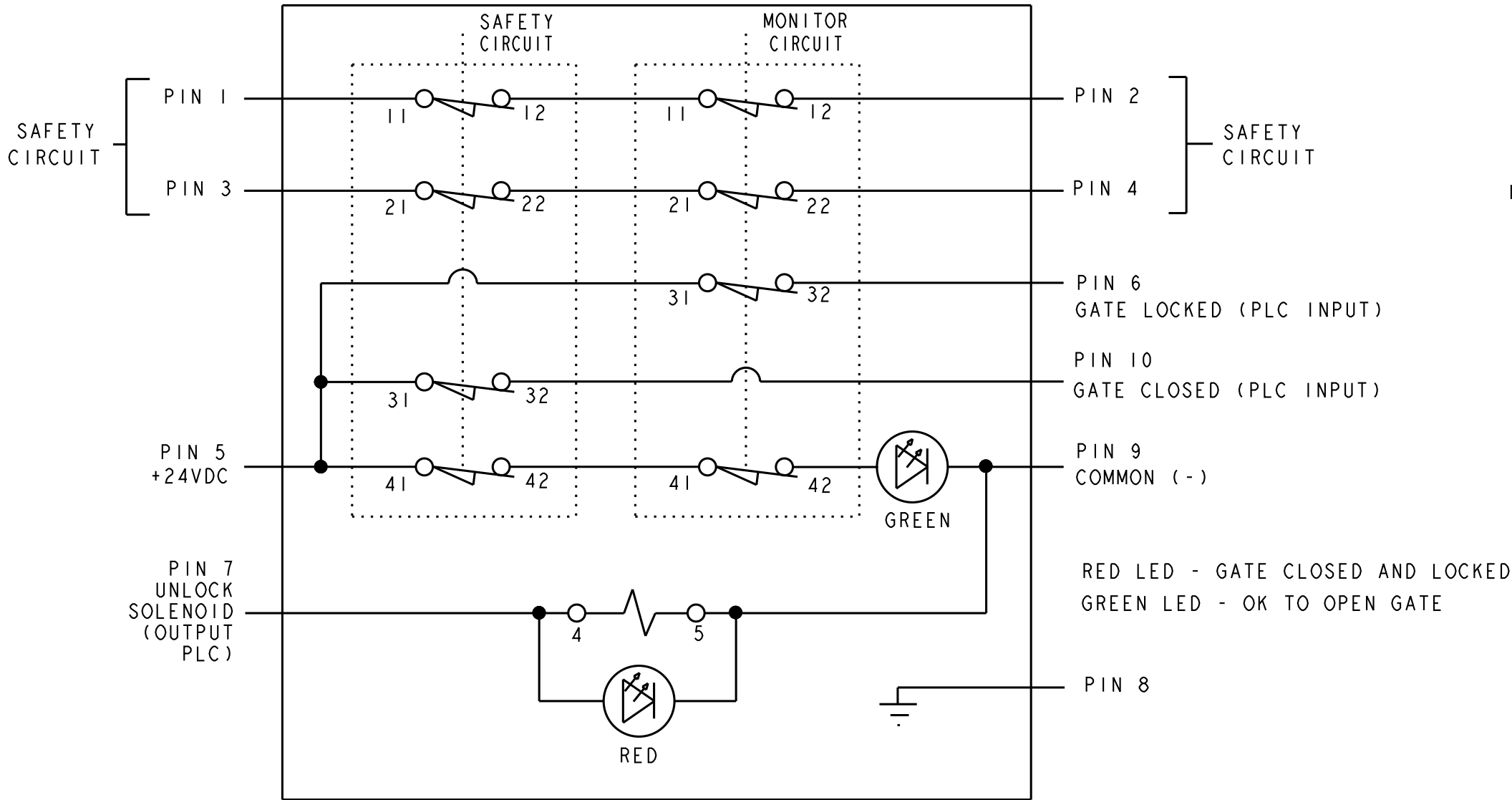
BODY / INDICATOR CODES - L OR R
 TYPE / OVER-RIDE CODES - S OR T
 DIAGRAMS SHOWN WITH KEY INSERTED AND LOCKED



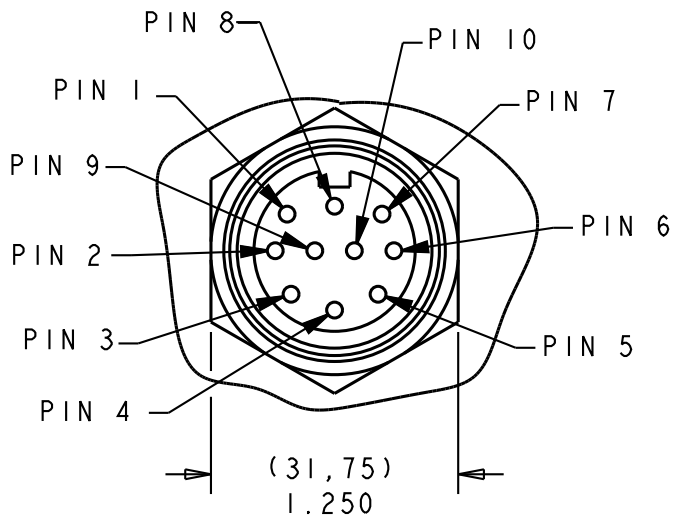
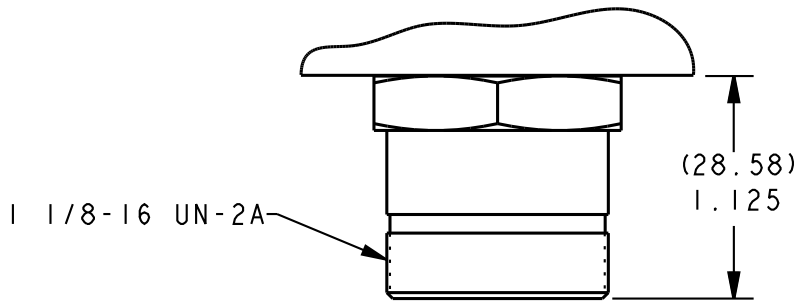
CATALOG LISTING
GK SERIES CHART 4
PAGE 14 OF 16
REPLACES -
CMH 10NOV11
CHECK 04FEB09
PRG 04FEB09
CHECK 9 DEC 99
JAF
CHECK 9 DEC 99
LJK
PTC/CAD 3D
DRAWN

REVISIONS
N 0047583
SSK 04FEB09
P 0065737
PRS 31MAY10
R 0083578
MBH 10NOV11

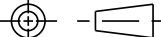
MODIFICATION CODE: F05



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.	TOL	DIM.	TOL
	mm	mm / in	in	mm / in
NO PLACES	X	1 / .04	X,X	0.8/ .03
ONE PLACE	X,X	0.1/ .016	X,XX	0.38/ .015
TWO PLACES	X,X,X	0.15/ .008	X,XXX	0.13/ .005
THREE PLACES				
ANGLES				
SI METRIC		US CUSTOMARY		
DESIGN UNITS				
				
WEIGHT 2,3 kg / 5 LB MAX				

