

DUAL ENTRY SOLENOID KEY OPERATED SAFETY INTERLOCK NOMENCLATURE

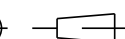
GK

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		SLOT OVER-RIDE	6 240 VAC	
		F	PG 13.5 - BUNA-N SEALS	14	SLOW ACTING 2 NC - 2 NO BBM					T	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								

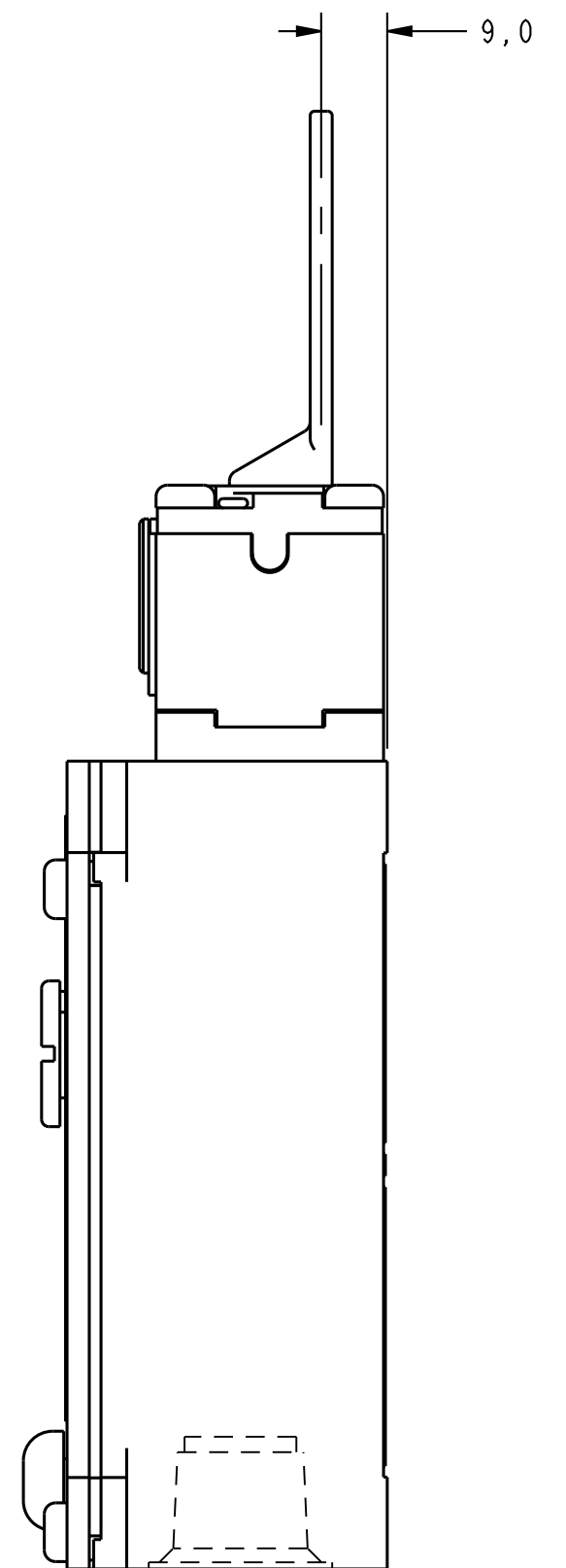
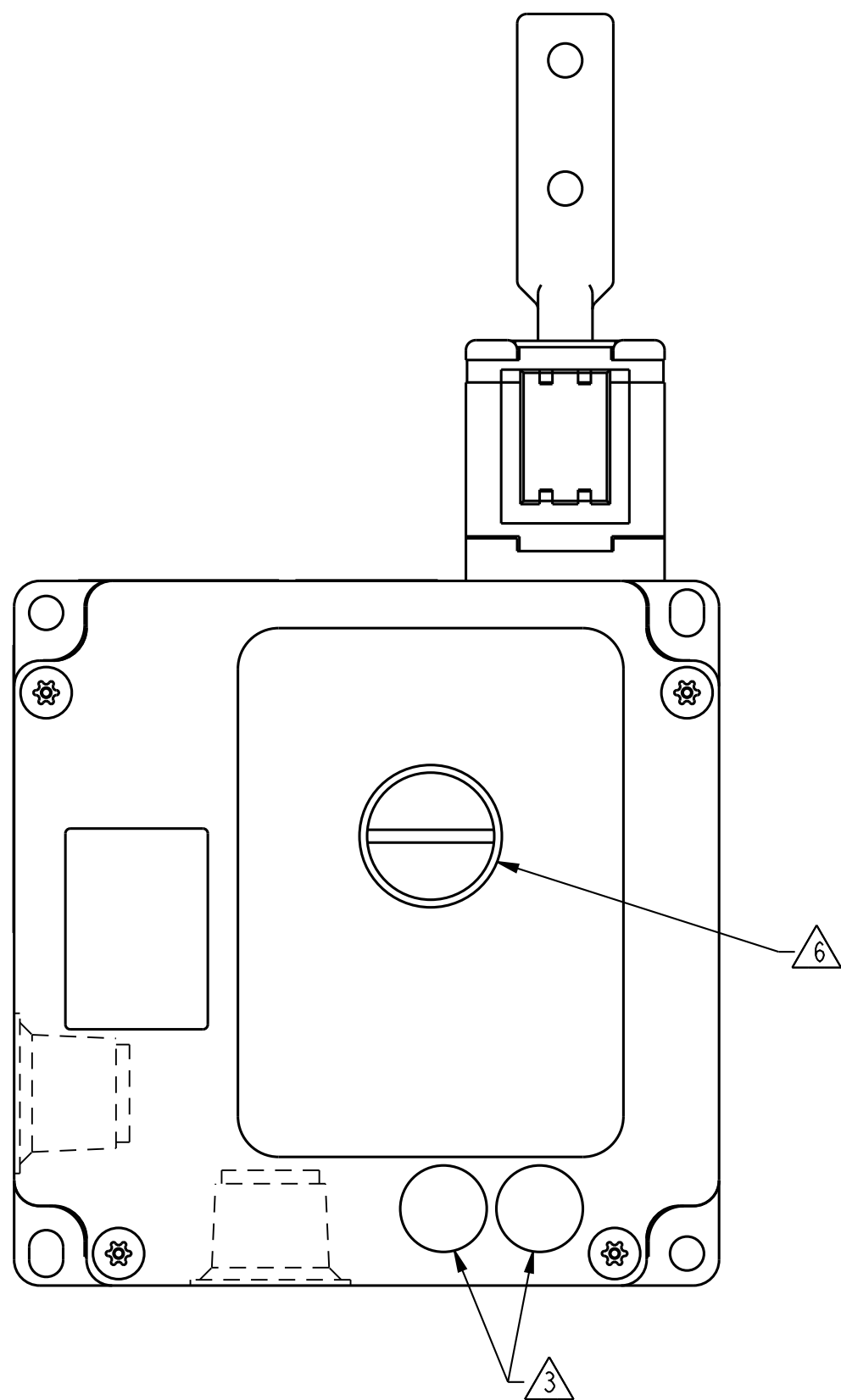
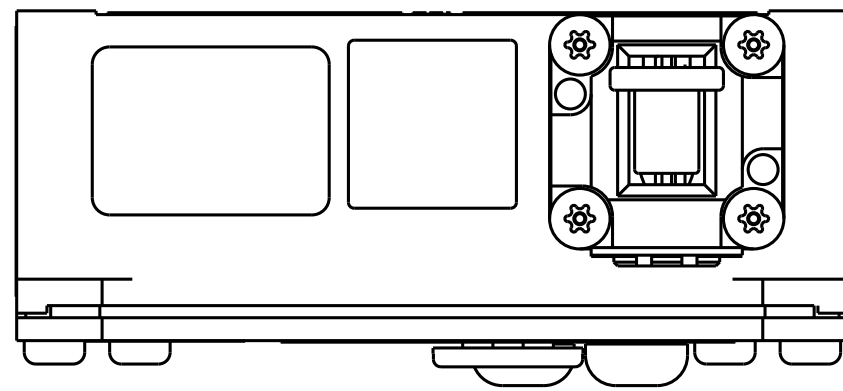
NOTES

- 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
8 LB
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
AC		DC		IP68 NEMA 1, 4, 6P, 12 & 13	 IEC 947-5-1 EN60947-5-1
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					

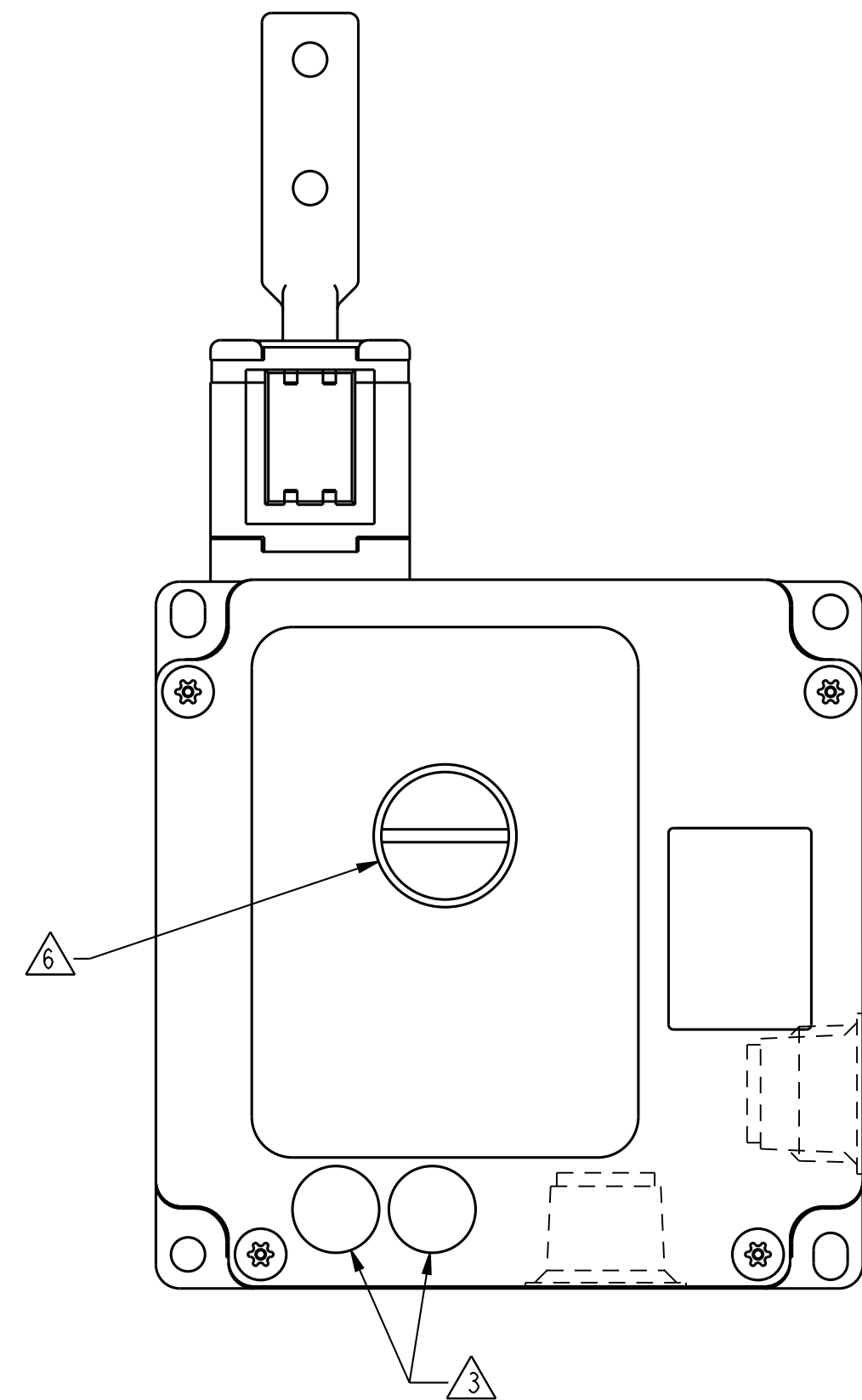
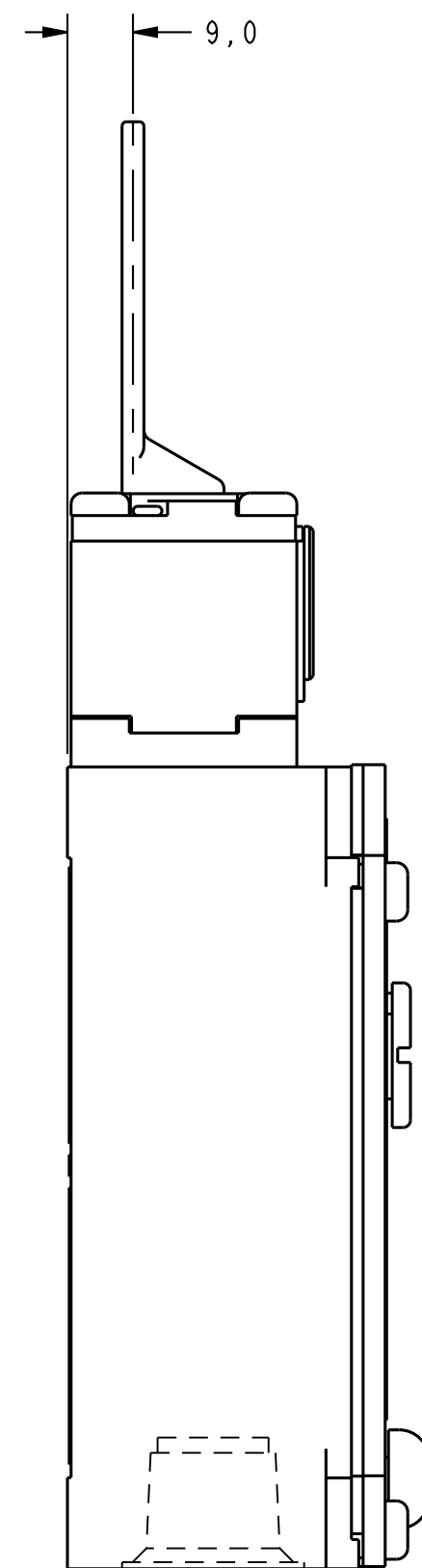
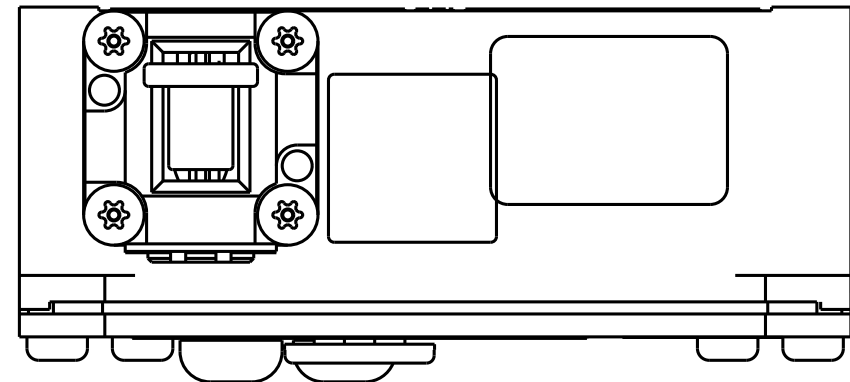
THIRD ANGLE PROJECTION					
					
SCALE			NTS		
DO NOT SCALE PRINT					
TOLERANCES					
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 1					
	DIM.		DIM.		TOL.
	mm		in.		mm/16
NO PLACES	2	1/16	2.2		0.81/0.3
ONE PLACE	1.2	0.0156	1.22		0.39/0.15
TWO PLACES	1.22	0.157	1.25		0.39/0.15
THREE PLACES			1.25		0.39/0.15
ANGLES					
DESIGN UNITS			US CUSTOMARY		
☒ SI METRIC			☐		
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.			
FED. MFG. CODE 91929		CATALOG LISTING	
MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK	
		GK SERIES CHART 4	



TOP 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 border="1"> <tr> <td>NO PLACES</td> <td>1</td> <td>1.04</td> <td>1.1</td> <td>8.87.03</td> </tr> <tr> <td>ONE PLACE</td> <td>2.1</td> <td>0.47.016</td> <td>2.1</td> <td>3.86.015</td> </tr> <tr> <td>TWO PLACES</td> <td>3.1</td> <td>1.17.004</td> <td>3.1</td> <td>1.121.005</td> </tr> </table>		NO PLACES	1	1.04	1.1	8.87.03	ONE PLACE	2.1	0.47.016	2.1	3.86.015	TWO PLACES	3.1	1.17.004	3.1	1.121.005
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MICRO SWITCH a Honeywell Division	SWITCH - DOOR INTERLOCK	GK SERIES CHART 4	WEIGHT 1,5 kg / 3.3 LB																



TOP KEY ENTRY

FRONT KEY ENTRY

BODY / INDICATOR CODES L OR F

[illegible]

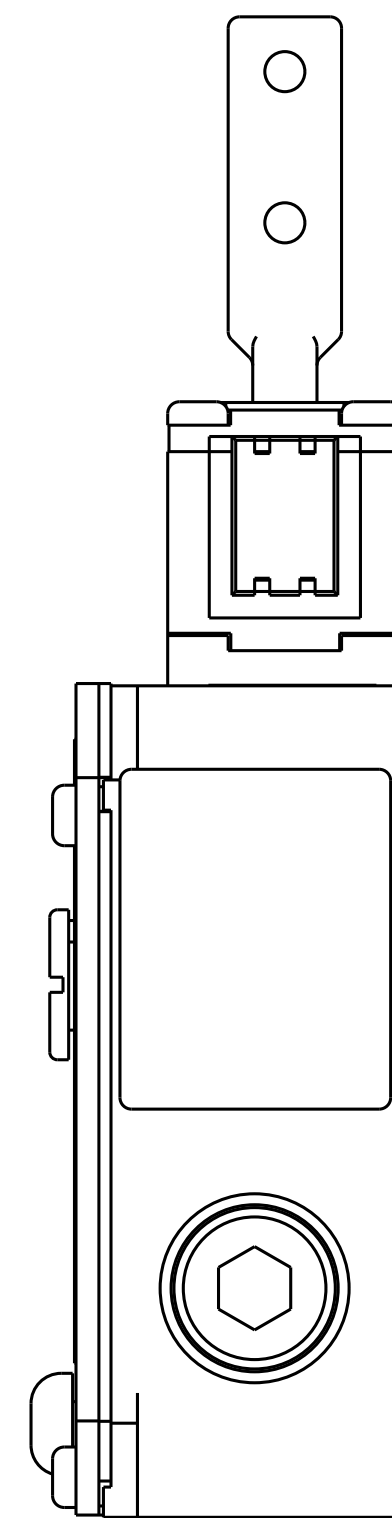
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.		DIM. TOL. mm mm / in.	
FED. MFG. CODE 91929	CATALOG LISTING	NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES	0.00 (0) 0.47 (0.018) 0.157 (0.006) 0.157 (0.006)
MICRO SWITCH a Honeywell Division	SWITCH - DOOR INTERLOCK	SI METRIC US CUSTOMARY	
		DESIGN UNITS ☒	
		WEIGHT 1,5 kg / 3.3 LB	



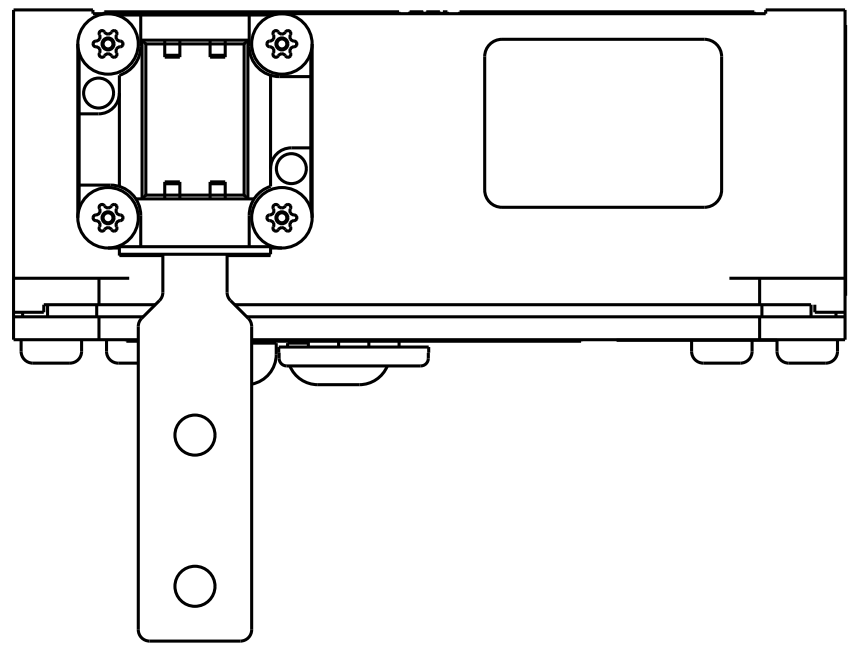
HEAD CODE L



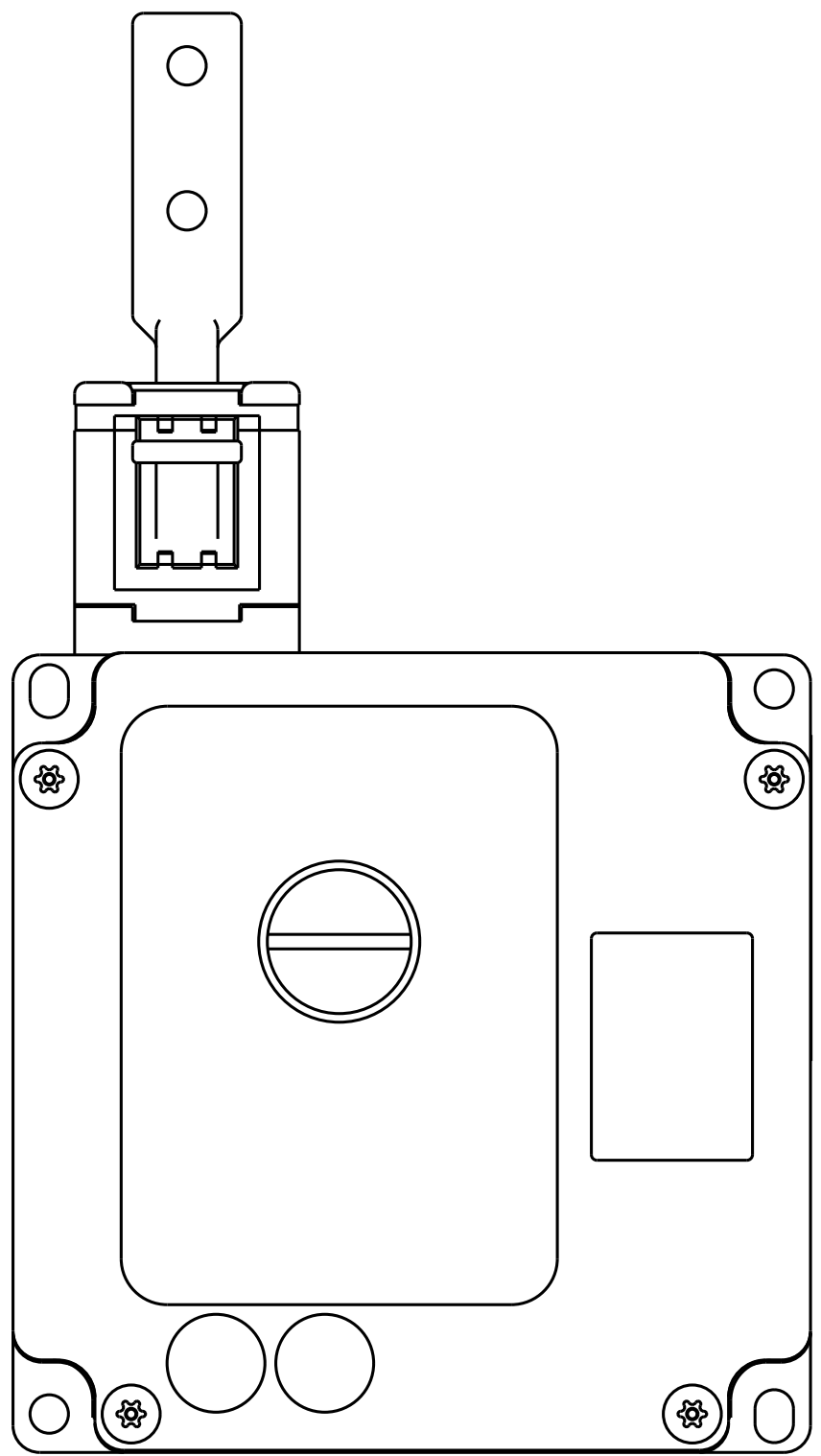
HEAD CODE M



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FED. MFG. CODE 91929		CATALOG LISTING	
 MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK	
		GK SERIES CHART 4	
		NO PLACES 2 0.47/0.016 ONE PLACE 2.5 0.47/0.016 TWO PLACES 3.1 0.47/0.016 THREE PLACES 3.1 0.47/0.016 ANGLES 3.1 0.47/0.016	
		SI METRIC ☒ US CUSTOMARY ☐	
		DESIGN UNITS	
		WEIGHT 1.5 kg / 3.3 LB	

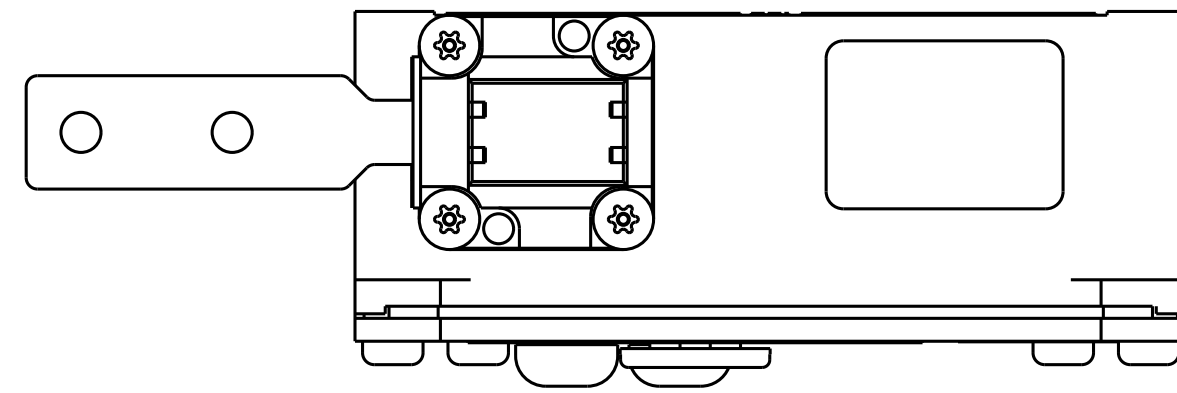


WITH KEY IN FRONT ENTRY POSITION

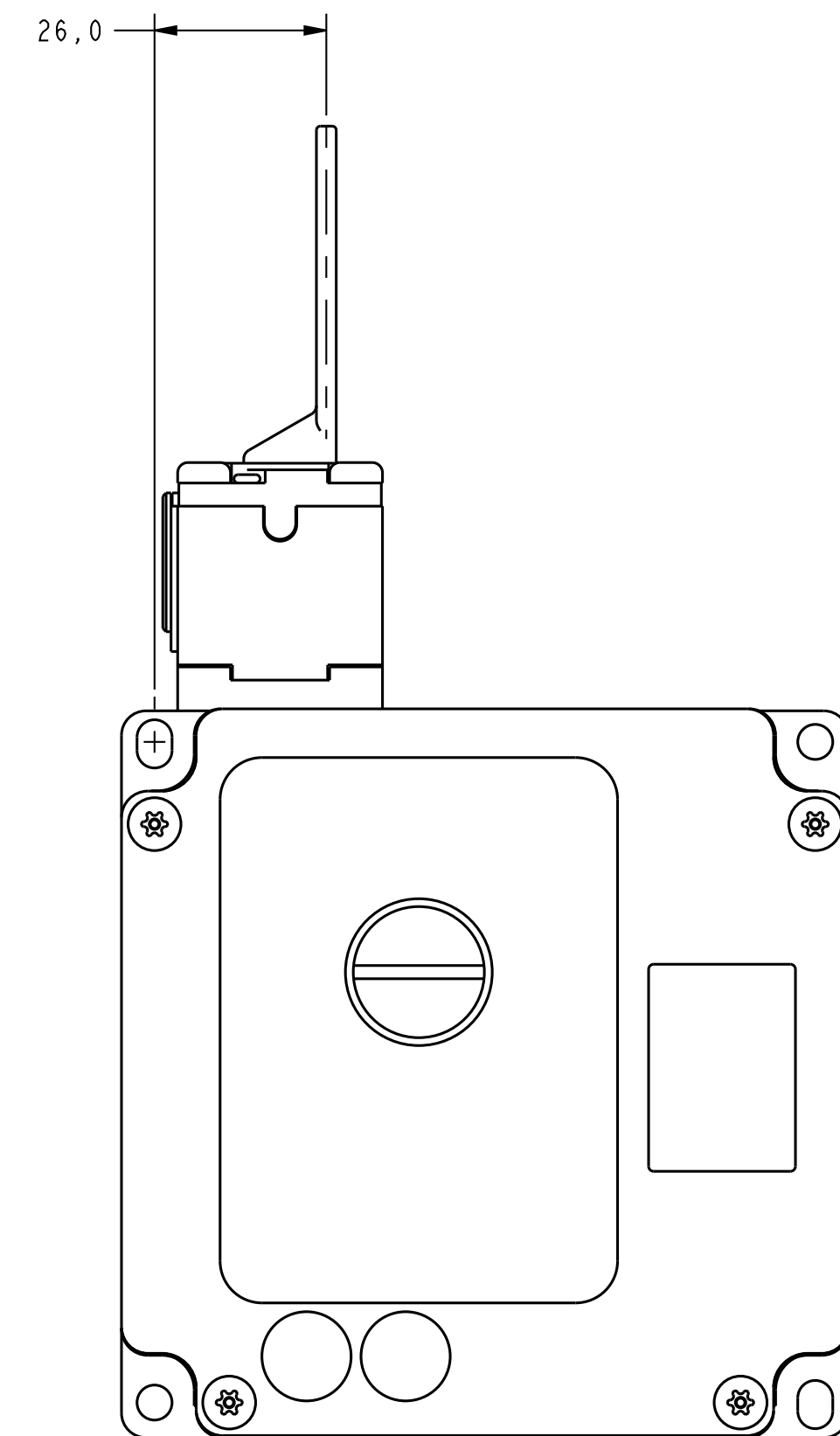


WITH KEY IN TOP ENTRY POSITION

HEAD CODE N



WITH KEY IN FRONT ENTRY POSITION



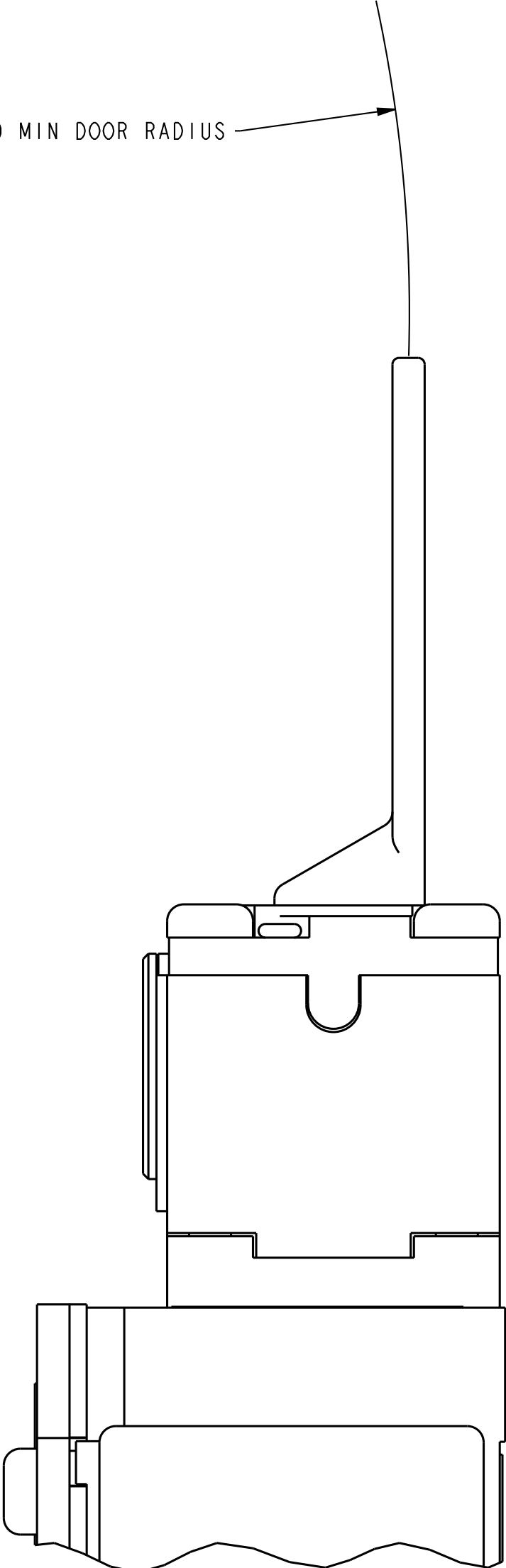
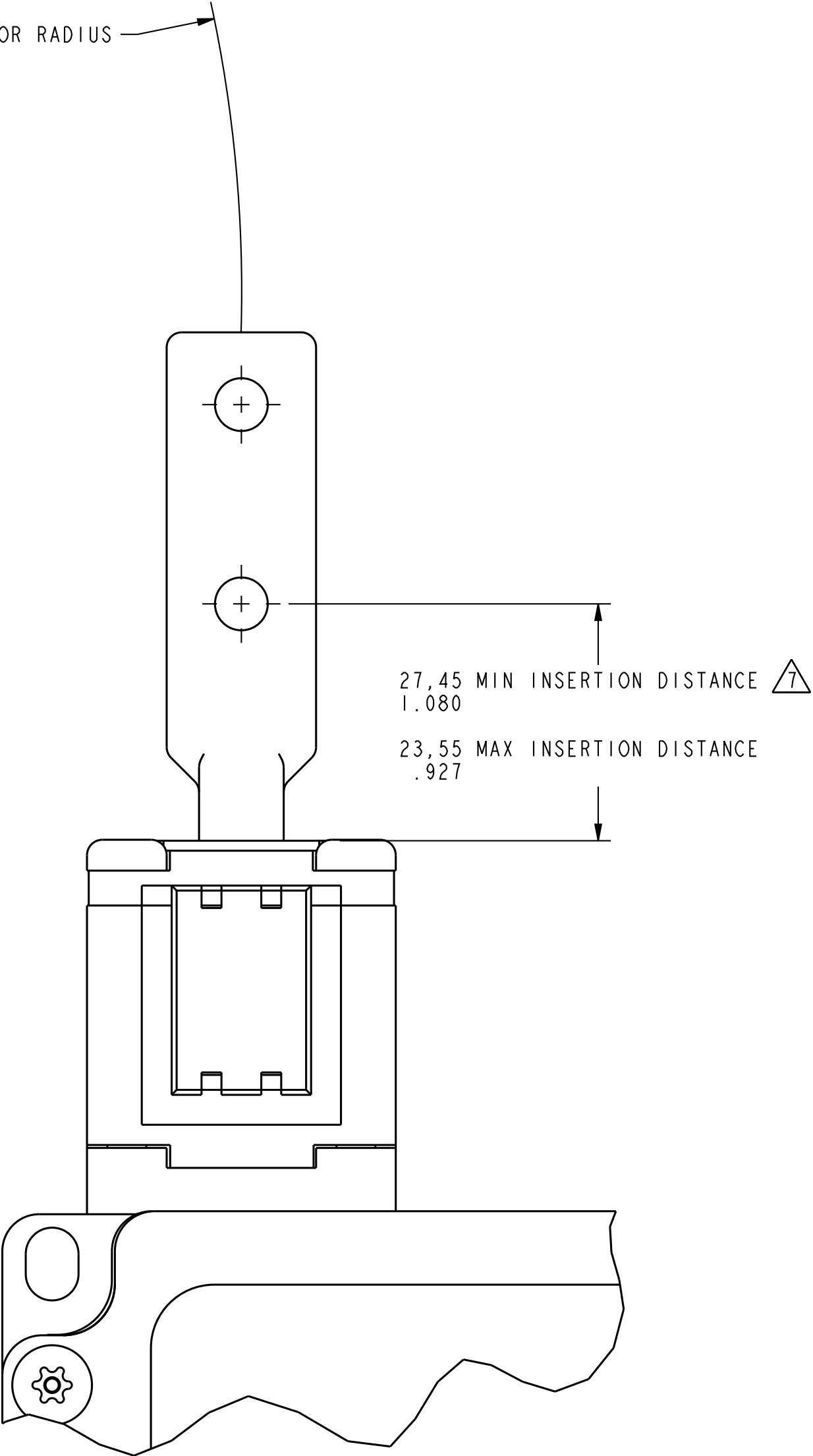
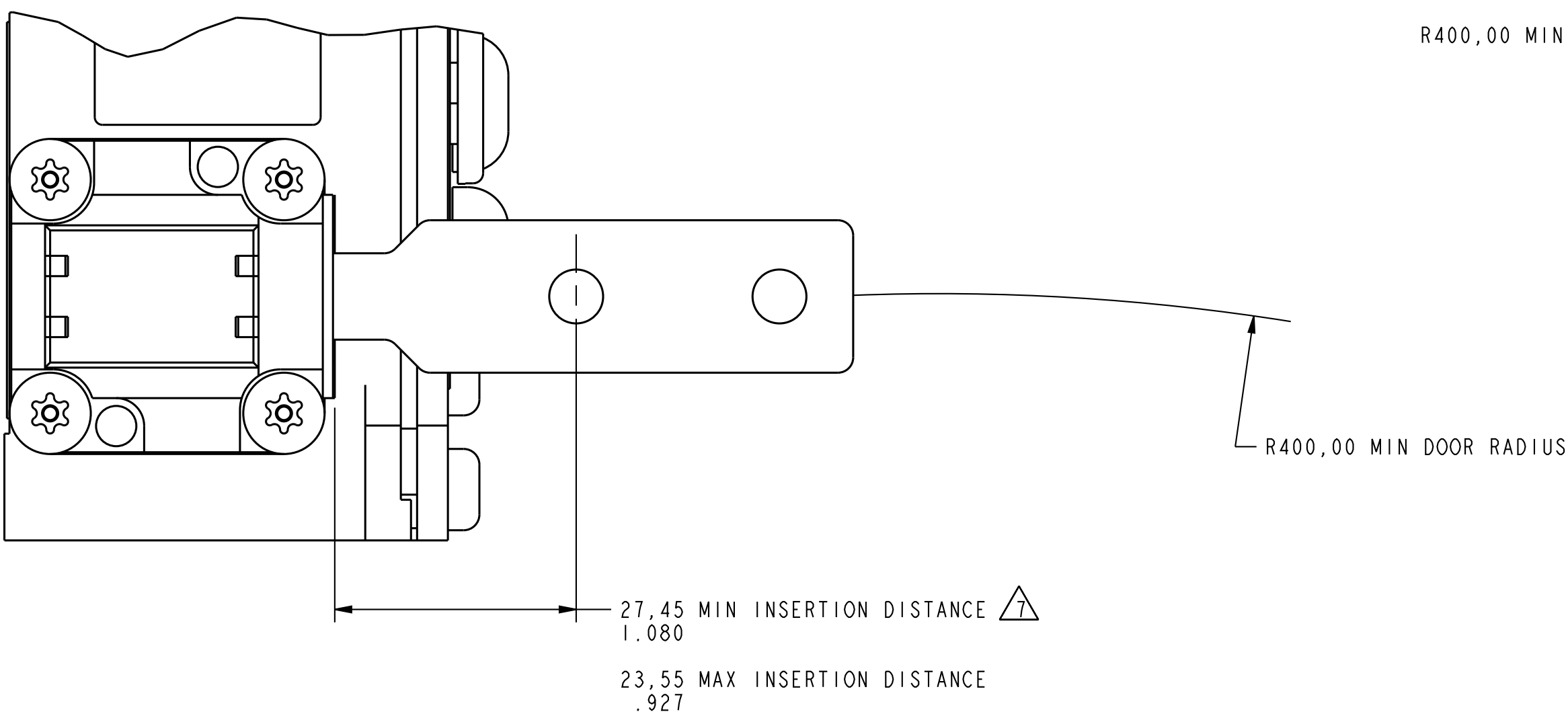
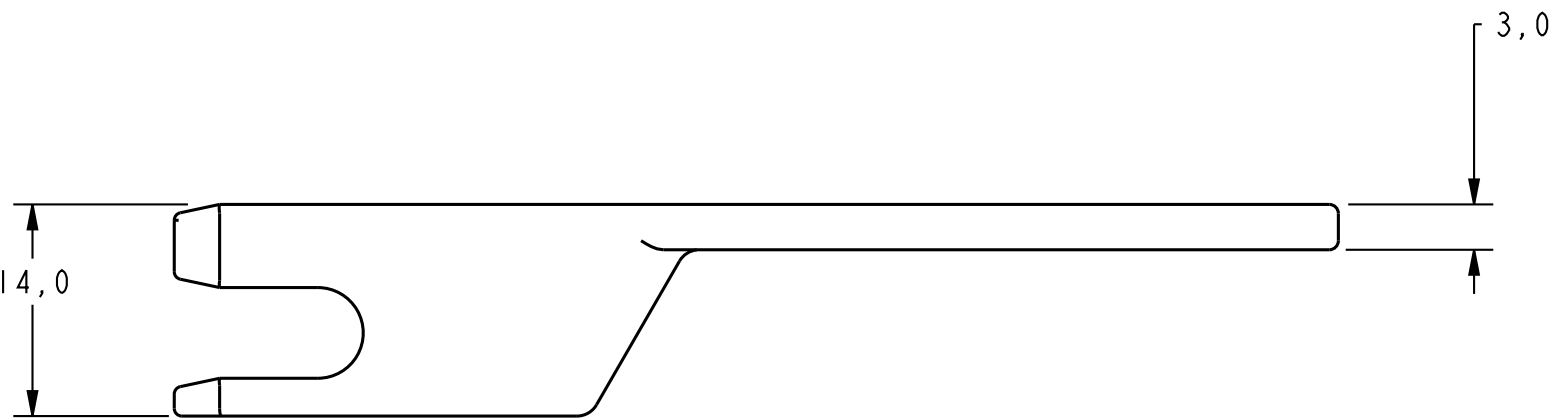
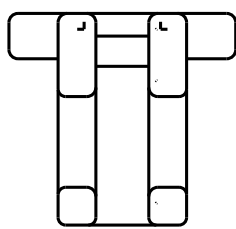
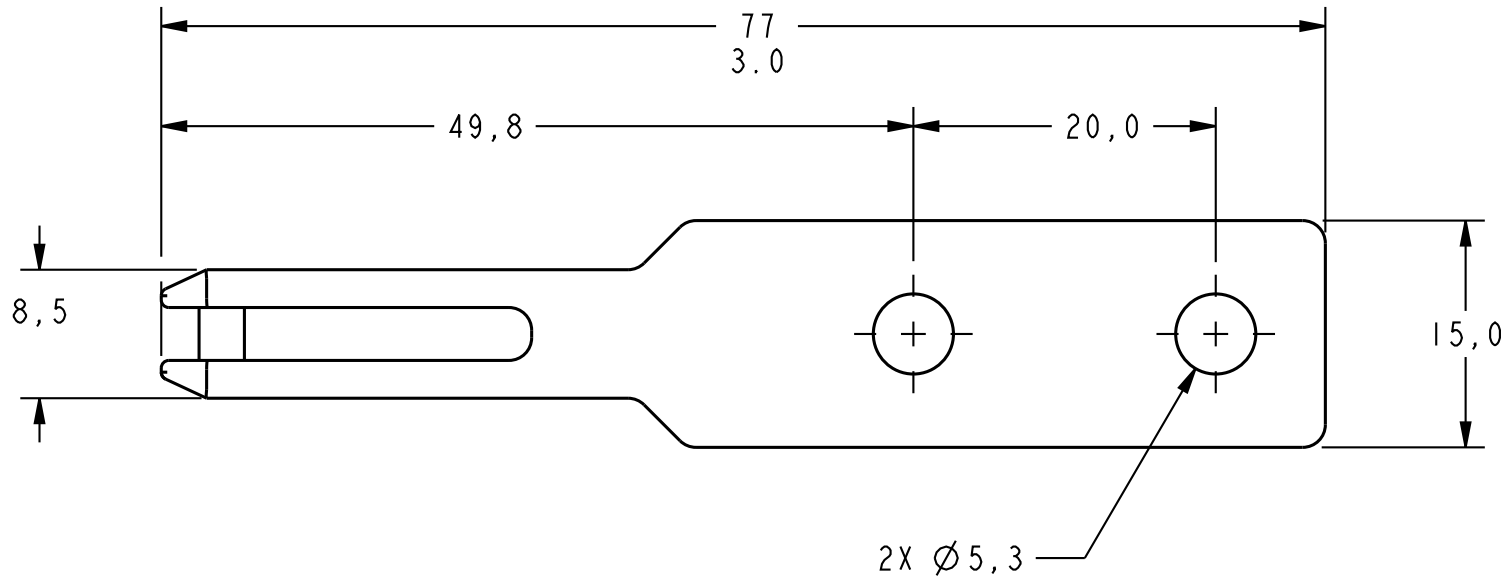
WITH KEY IN TOP ENTRY POSITION

HEAD CODE P

[illegible]

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

KEY CODE 6

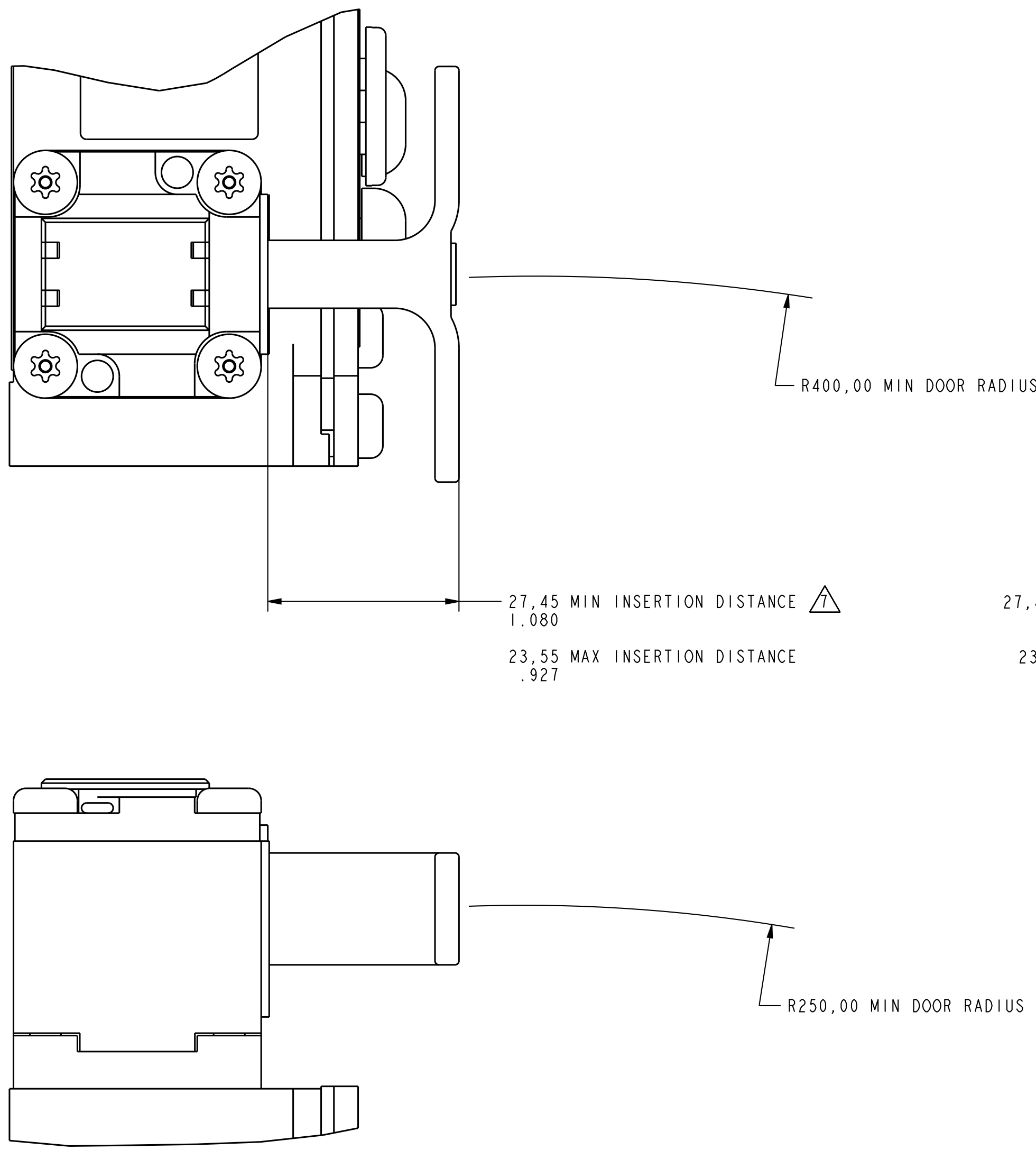


FRONT KEY ENTRY

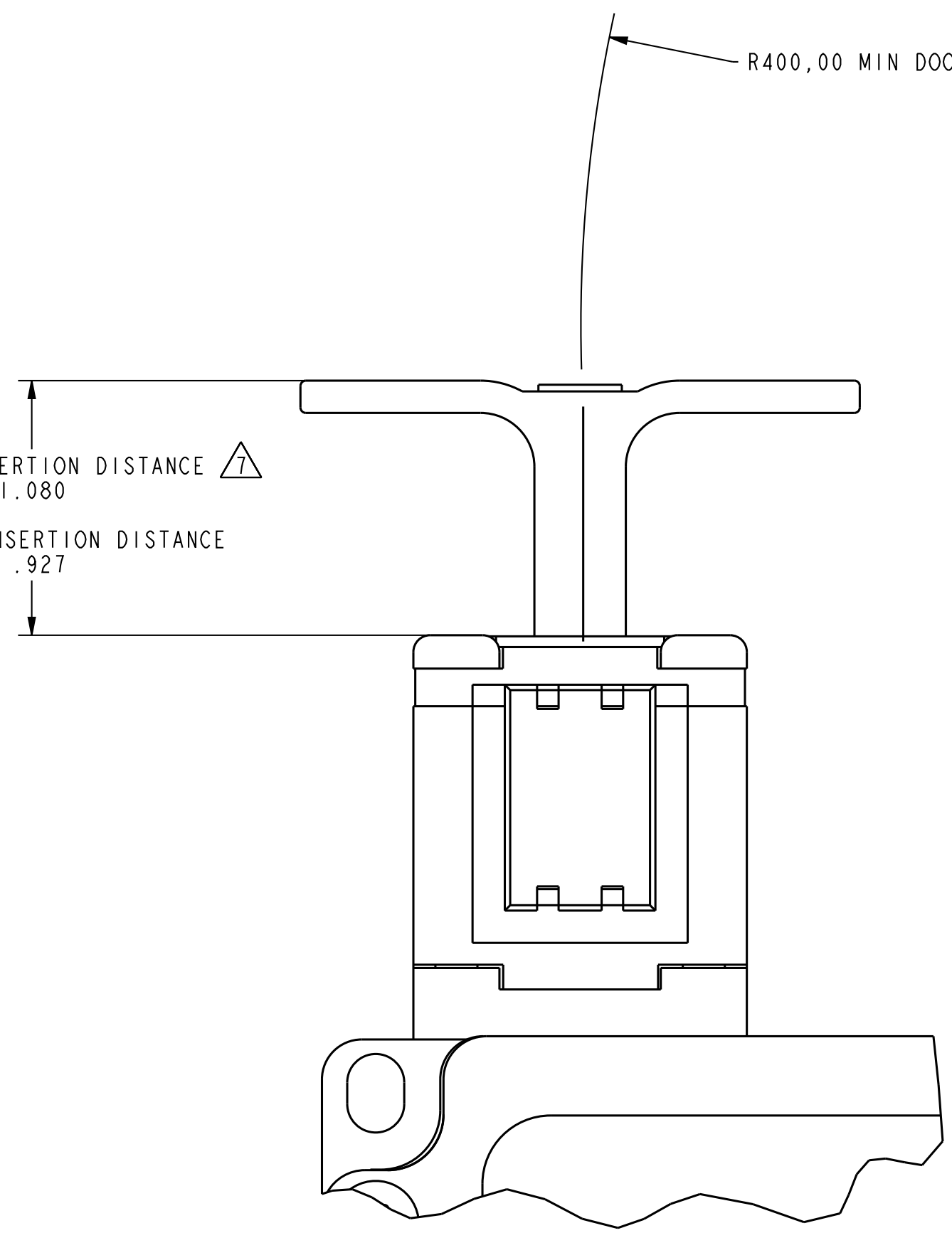
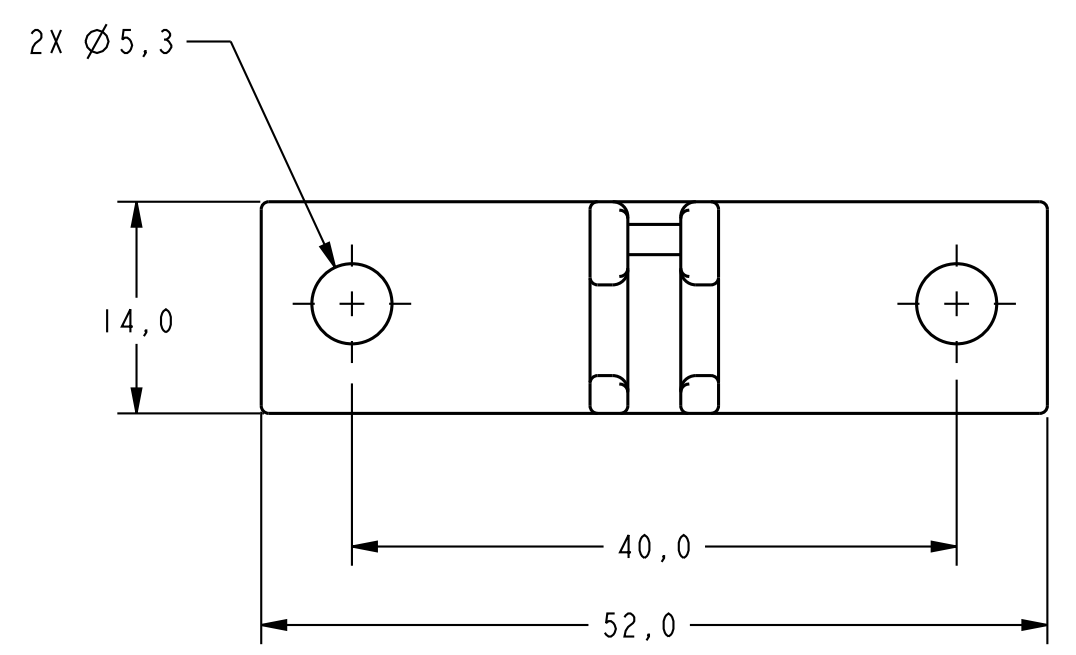
TOP KEY ENTRY

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FED. MFG. CODE 91929		MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK		GK SERIES CHART 4	
NO PLACES		SI METRIC		US CUSTOMARY		DESIGN UNITS	
ONE PLACE		X		X		X	
TWO PLACES		X		X		X	
THREE PLACES		X		X		X	
ANGLES		X		X		X	
WEIGHT		1.5 KG / 3.3 LB					

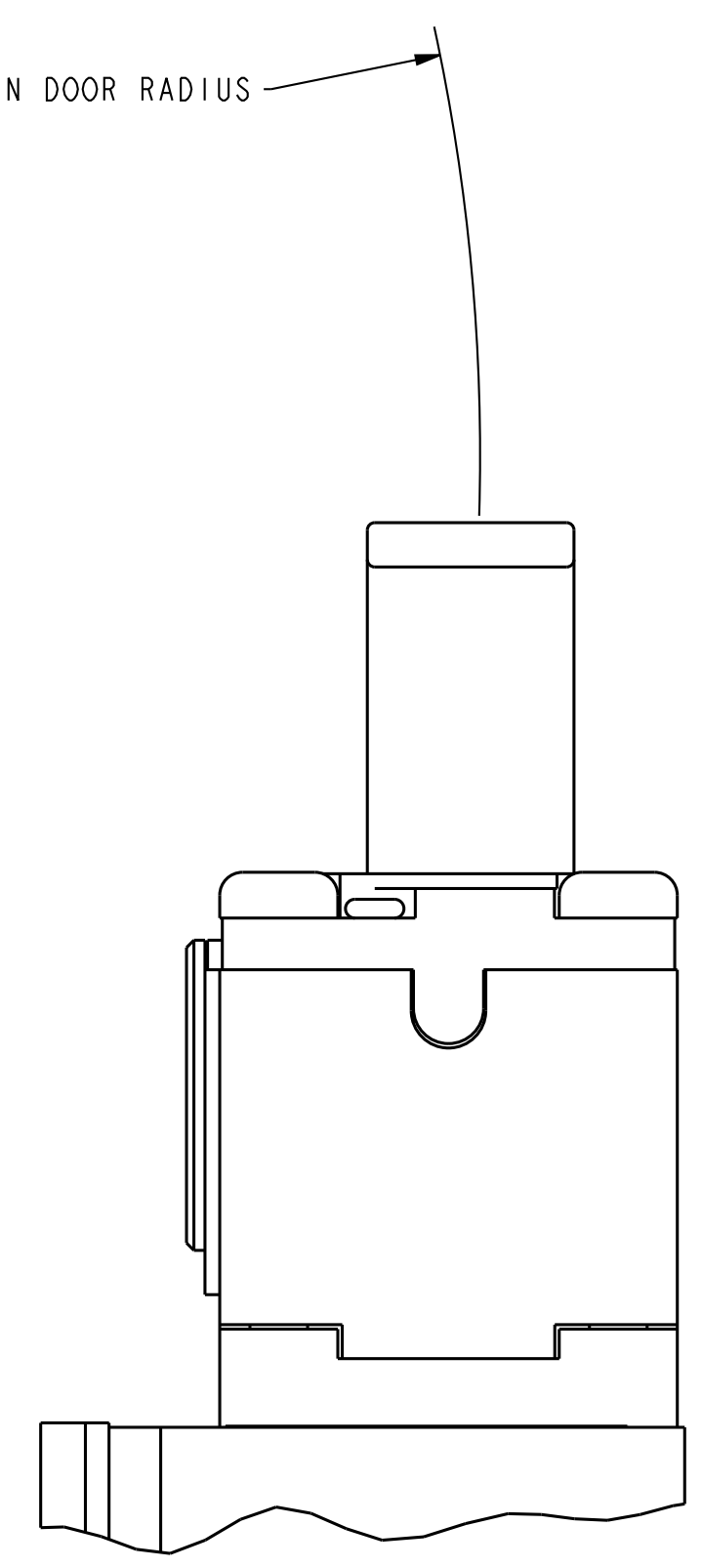
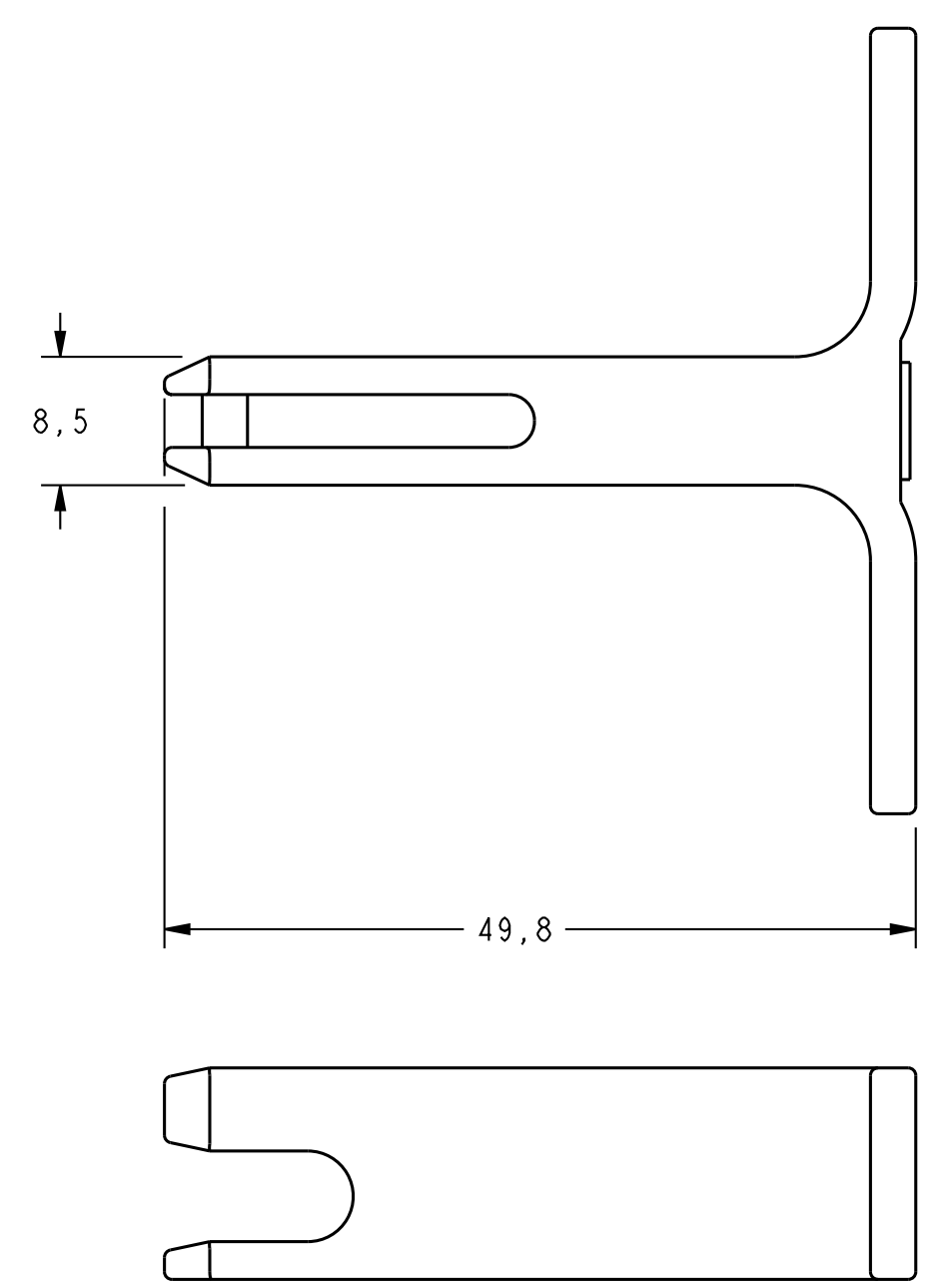
KEY CODE 7



FRONT KEY ENTRY



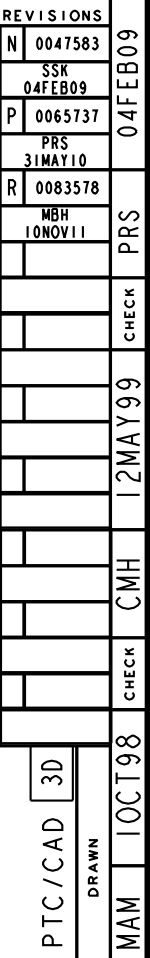
TOP KEY ENTRY



PTC/CAD 3D	DRAWN	MAM	LOC 198	CHECK	CMH	12MAY99	CHECK	PRS	04FEB09	CHECK	CMH	10NOV11	RELEASE NO. PR-23758	PAGE 7 OF 16	ISSUE 5254	DRAWING NUMBER	REPLACES	-
REVISIONS																		
M	0447583																	
SSE	04FEB09																	
P	0065737																	
TRG	31MAY10																	
R	0083578																	
MOD	10NOV11																	

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						GK SERIES CHART 4															
						TOLERANCES APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 1															
NO PLACES		TOL.		DIM.		TOL.		DIM.		TOL.											
ONE PLACE		±.2		1/16"		±.2		1/16"		±.2											
TWO PLACES		±.05		0.0156"		±.05		0.0156"		±.05											
THREE PLACES		±.01		0.00156"		±.01		0.00156"		±.01											
DESIGN UNITS ☒ SI METRIC ☐ US CUSTOMARY																					
WEIGHT 1,5 KG / 3,3 LB																					

MAK SERIES CHART 4

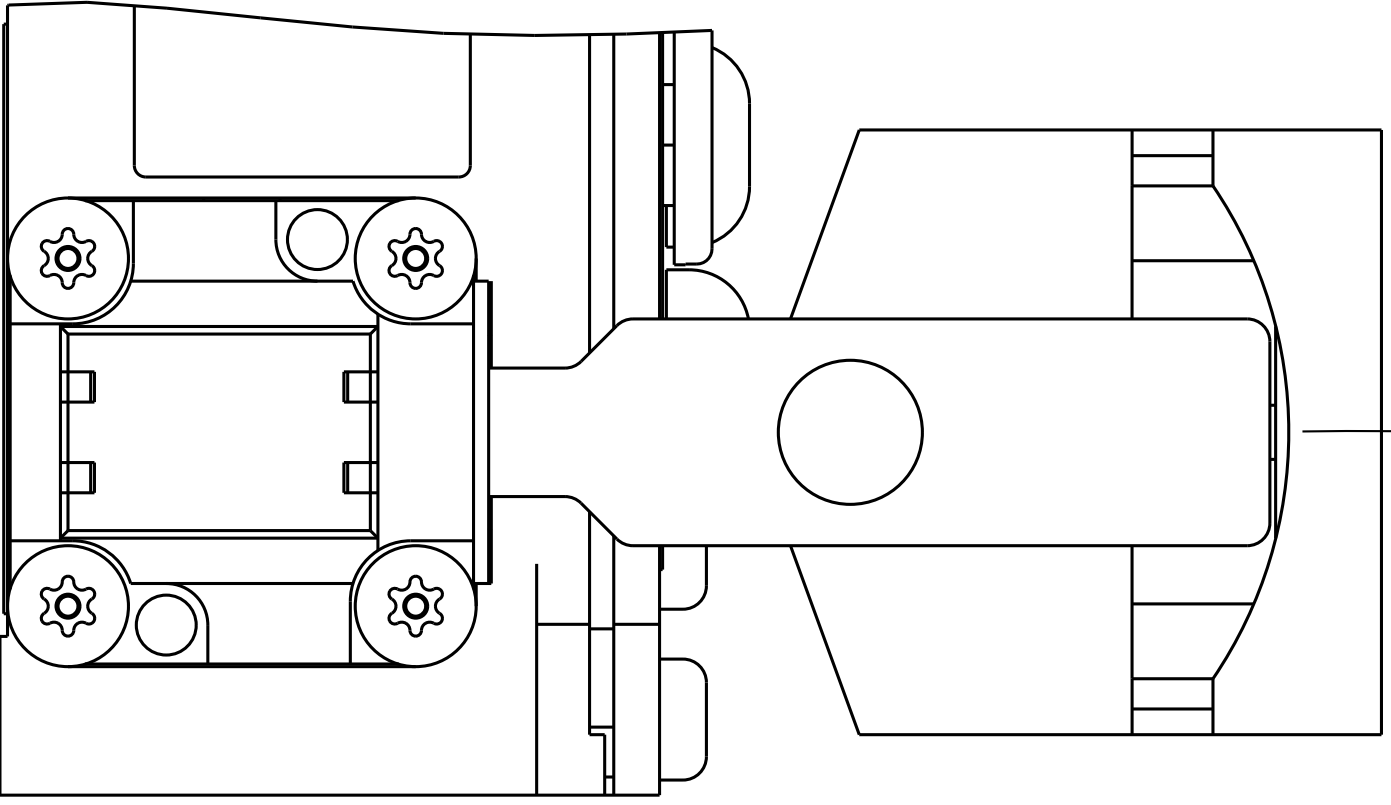
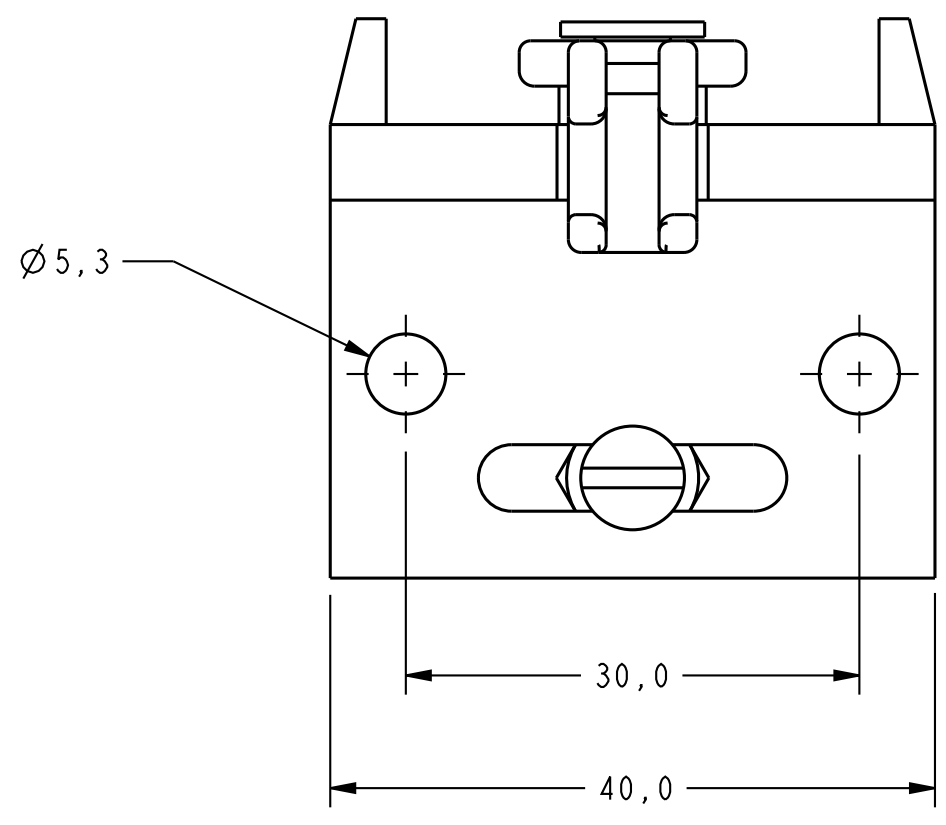
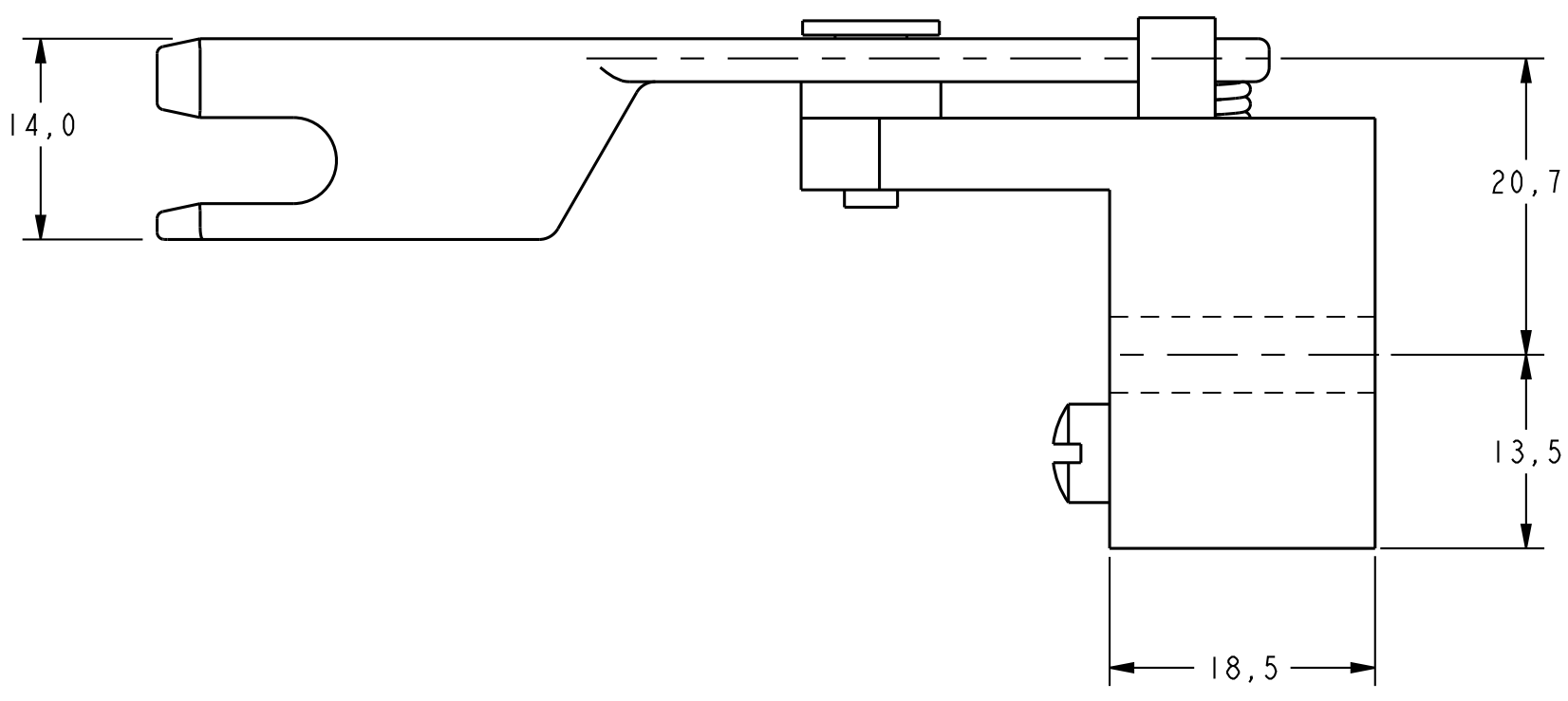
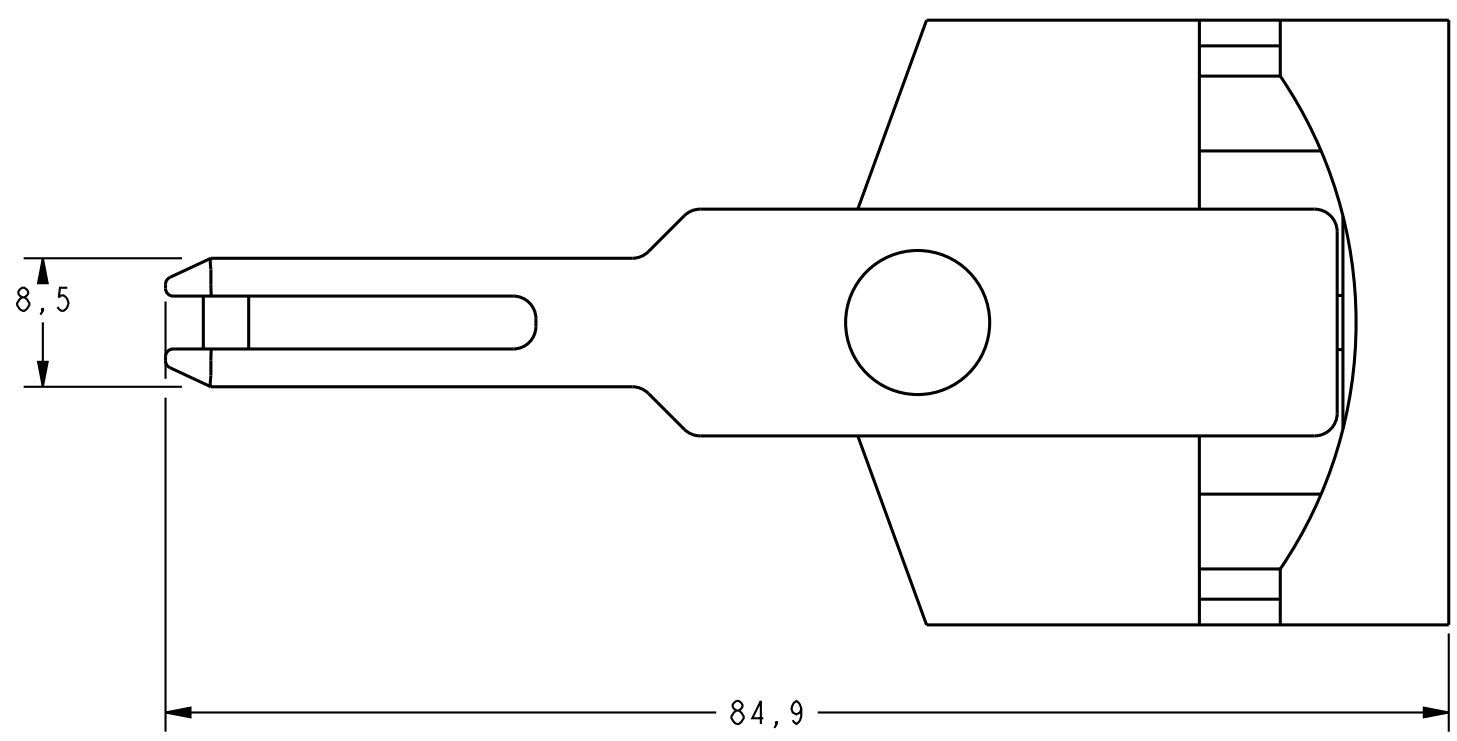


PT



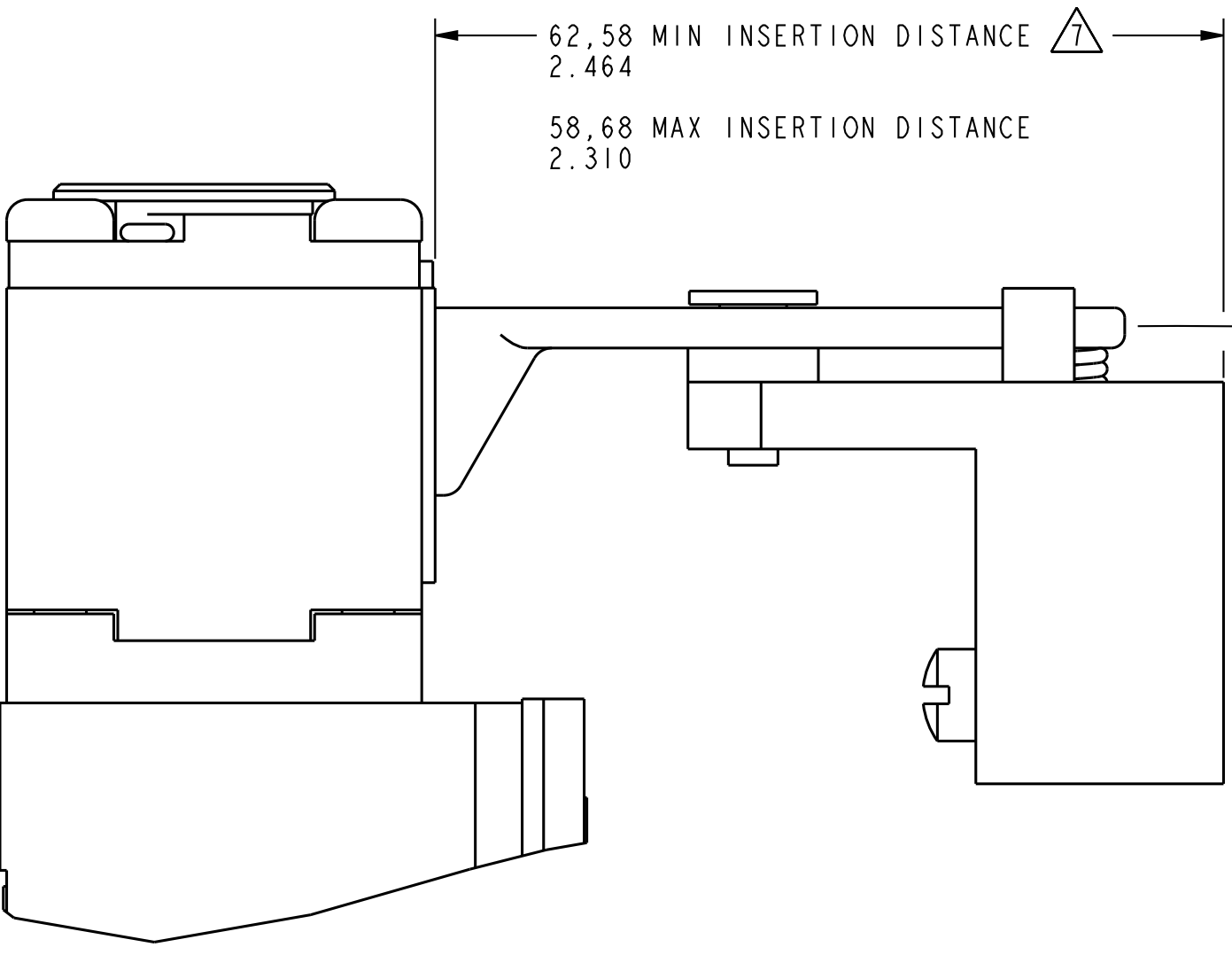
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INCH	TOL	MM	TOL																				
± .005	± .001	± .005	± .001																				
± .005	± .001	± .005	± .001																				
± .005	± .001	± .005	± .001																				
± .005	± .001	± .005	± .001																				
SI METRIC ☒		US CUSTOMARY ☐																					
DESIGN UNITS		WEIGHT 1.5 KC 1.22 LB																					

KEY CODE 9



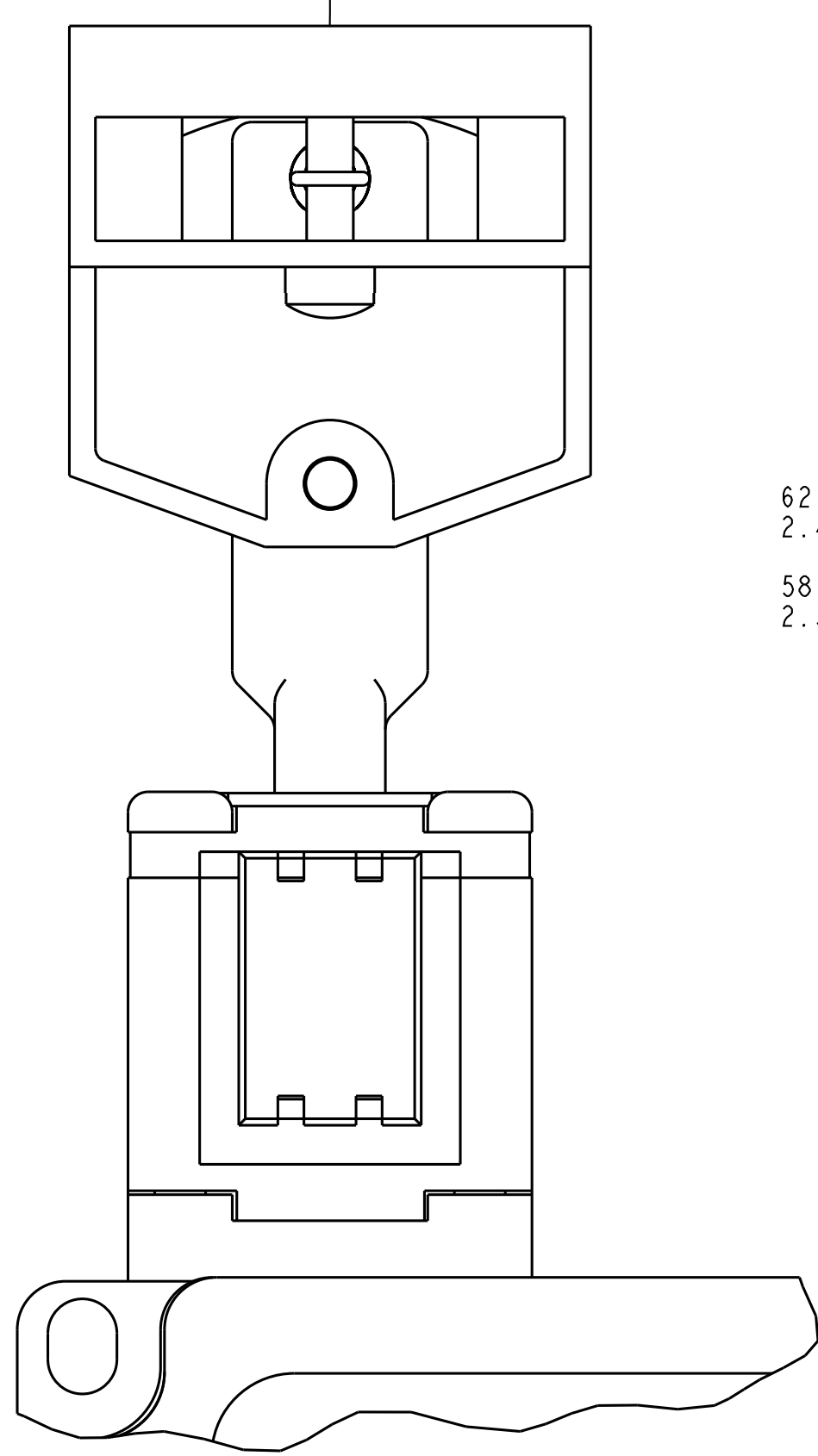
R150,00 MIN DOOR RADIUS

R250,00 MIN DOOR RADIUS

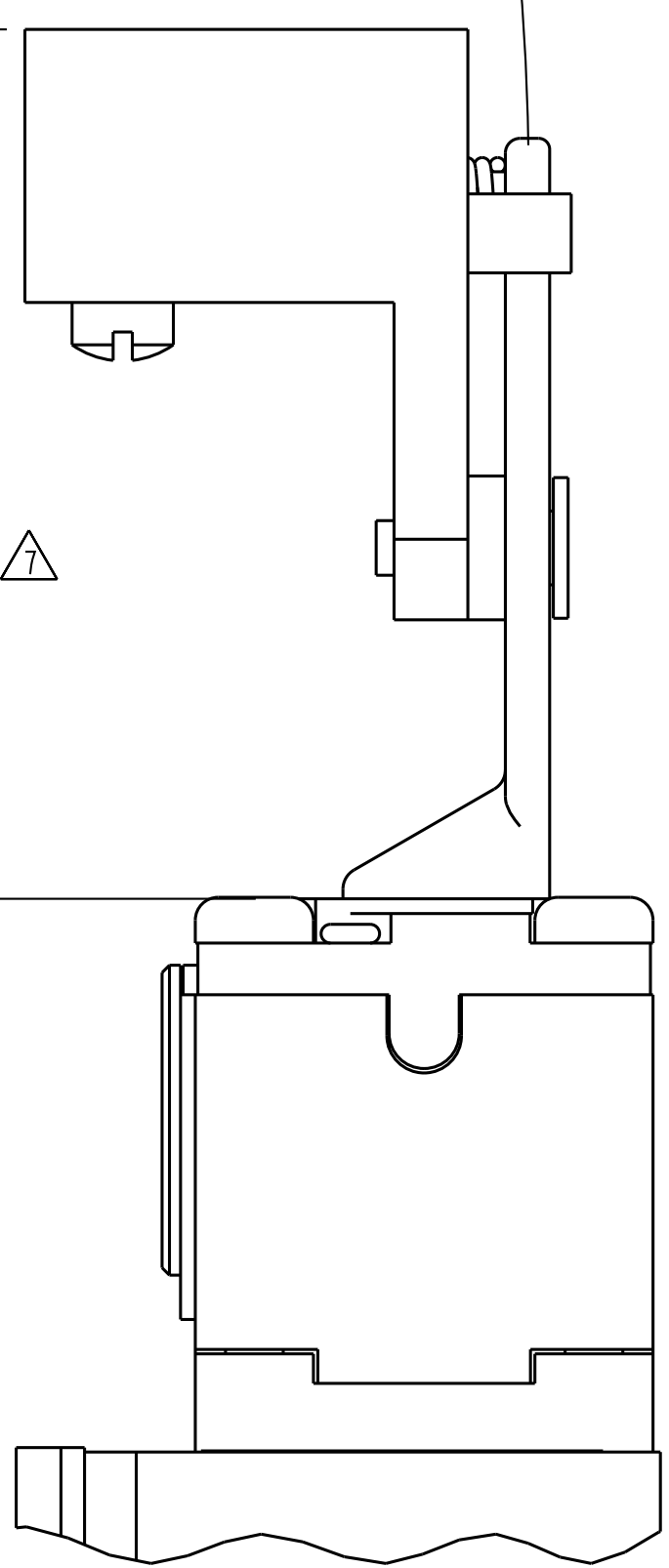


R150,00 MIN DOOR RADIUS

R250,00 MIN DOOR RADIUS



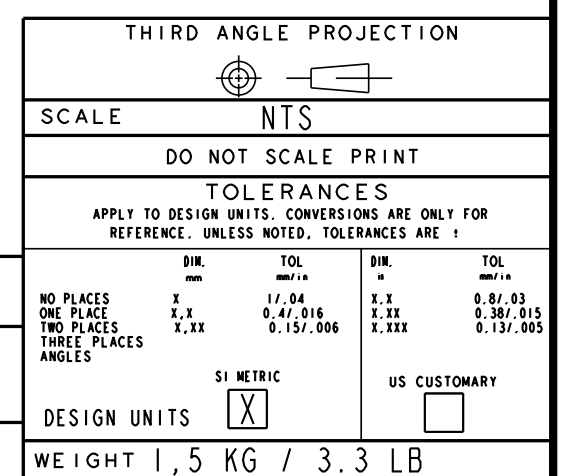
62,58 MIN INSERTION DISTANCE
2.464
58,68 MAX INSERTION DISTANCE
2.310

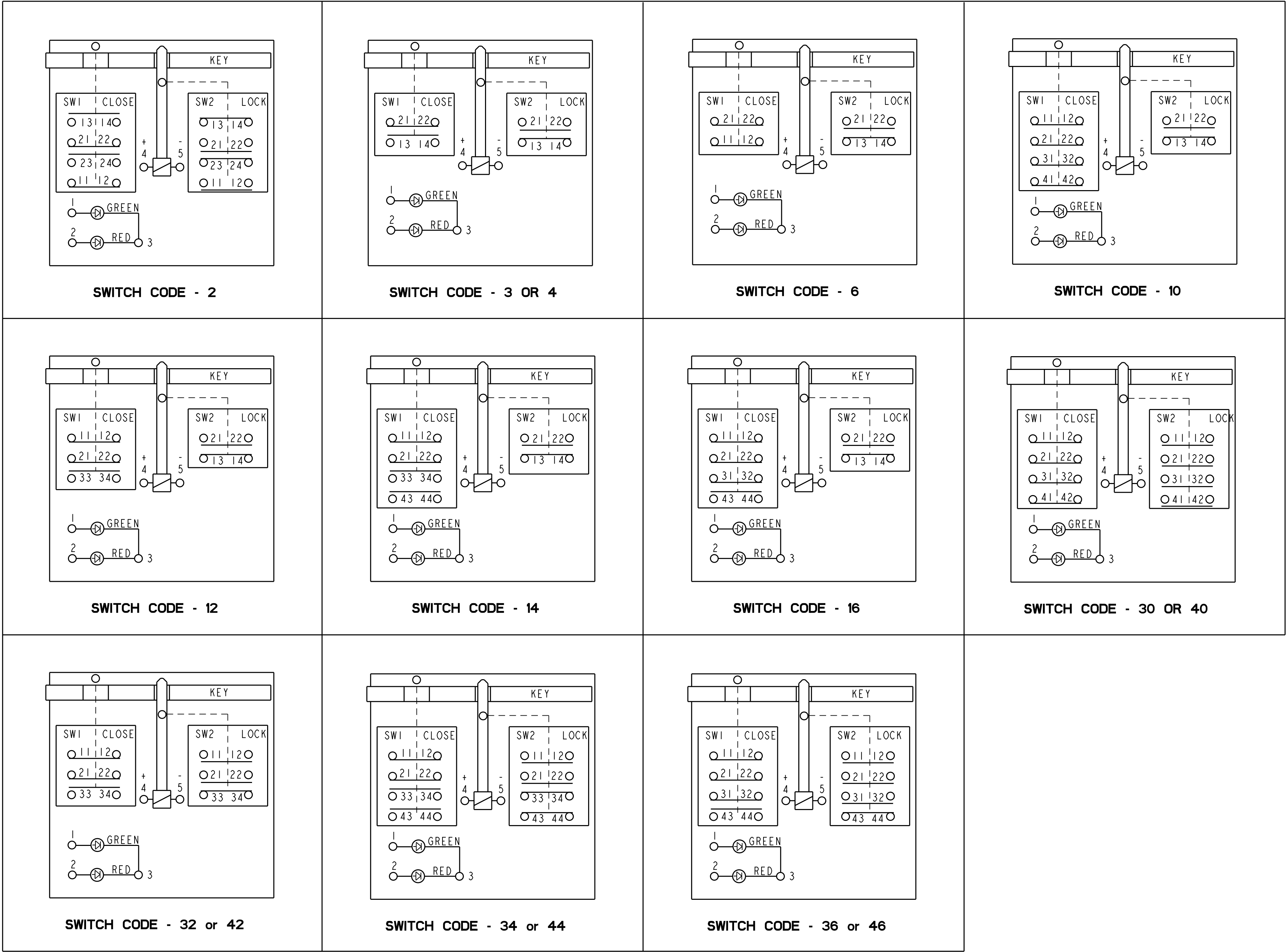


TOP KEY ENTRY

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		GK SERIES CHART 4	
SWITCH - DOOR INTERLOCK		SI METRIC ☒ US CUSTOMARY ☐	
DESIGN UNITS		WEIGHT 1.5 KG / 3.3 LB	
NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES		TOL. FRACTIONS DECIMALS FRACTIONS DECIMALS	
		TOL. FRACTIONS DECIMALS FRACTIONS DECIMALS	





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

PTC/CAD 3D
DRAWN
MAM
LOC 198
21 SEP 06
DVM
CHECK
0803578
31 MAY 10
0065737
04 FEB 09
SS
0047583
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REVISIONS
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BODY / INDICATOR CODES - F OR G
TYPE / OVER-RIDE CODES - S OR T
DIAGRAMS SHOWN WITH KEY INSERTED AND LOCKED

PTC/CAD 3D
DRAWN
MAM
LOC 198
CHECK
CMH
12MAY99

REVISIONS
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ISSUE
5254
DRAWING
NUMBER
13 OF 16
RELEASE NO. PR-23758
REPLACES
-

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FED. MFG. CODE 91929

CATALOG LISTING

DESIGN UNITS

WEIGHT 1.5 KG / 3.3 LB

SWITCH - DOOR INTERLOCK

GK SERIES CHART 4

THIRD ANGLE PROJECTION

SCALE NTS

DO NOT SCALE PRINT

TOLERANCES

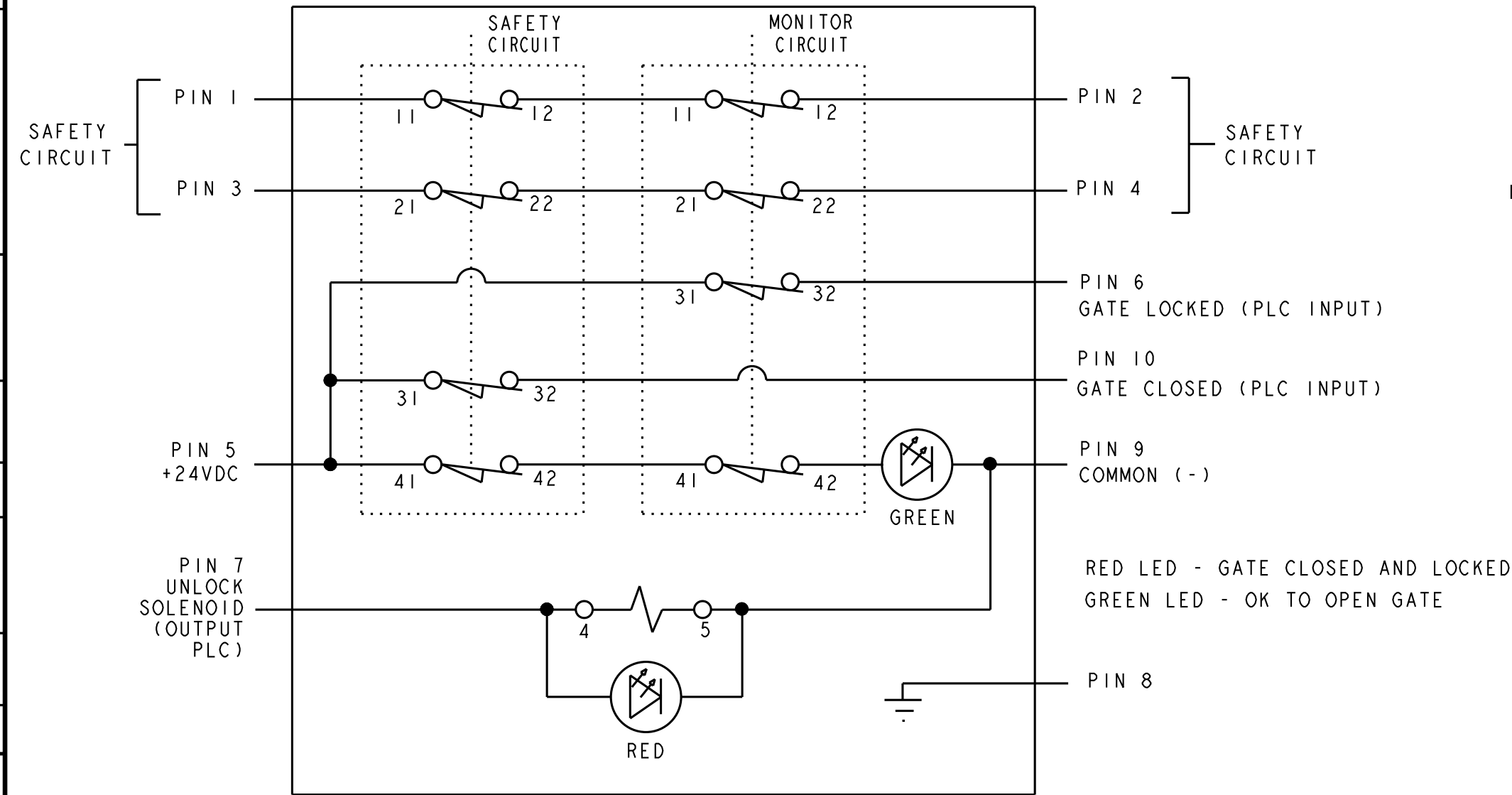
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 1

NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES

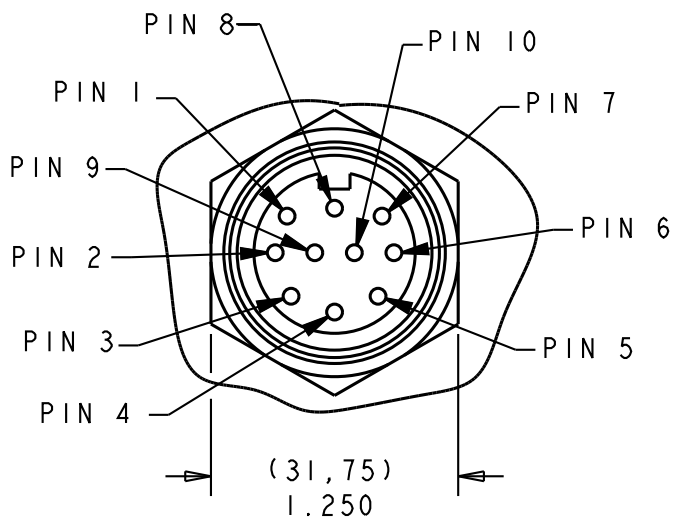
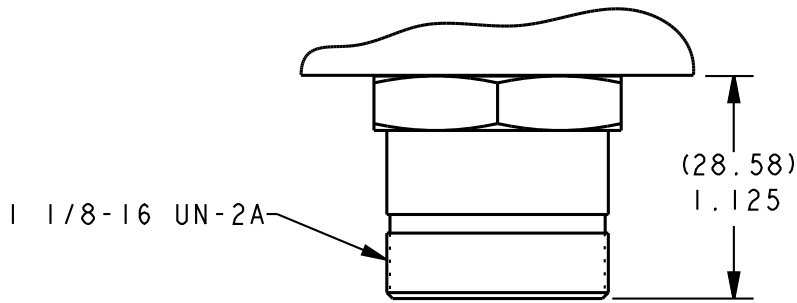
SI METRIC

US CUSTOMARY

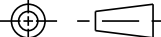
MODIFICATION CODE: F05



SWITCH DIAGRAM STATE
IS CLOSED AND LOCKED

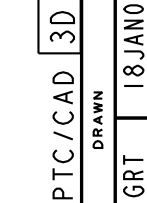


300V 7A
BRAD-HARRISON PART NO. 3R1006A21F010
OR EQUIVALENT

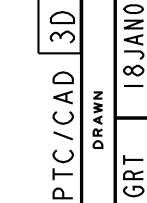
THIRD ANGLE PROJECTION				
				
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TOLERANCES				
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE :				
	DIM.	TOL	DIM.	TOL
	mm	mm / in	in	mm / in
NO PLACES	X	1 / .04	X.X	0.8 / .03
ONE PLACE	X.X	0.1 / .016	X.XX	0.38 / .015
TWO PLACES	X.XX	0.15 / .008	X.XXX	0.13 / .005
THREE PLACES				
ANGLES				
SI METRIC		US CUSTOMARY		
DESIGN UNITS				
				
WEIGHT 2,3 kg / 5 LB MAX				

[illegible]

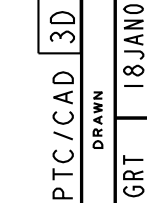
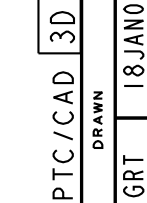
PTC/CAD	3D
DRAWN	
GRT	18JAN0



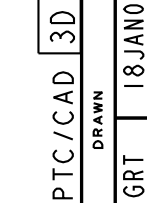
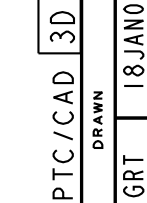
PTC/CAD	3D
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PTC/CAD	3D
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PTC/CAD	3D
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PTC/CAD	3D
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PTC/CAD	3D
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