

DUAL ENTRY SOLENOID KEY OPERATED SAFETY INTERLOCK NOMENCLATURE

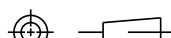
GK

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								

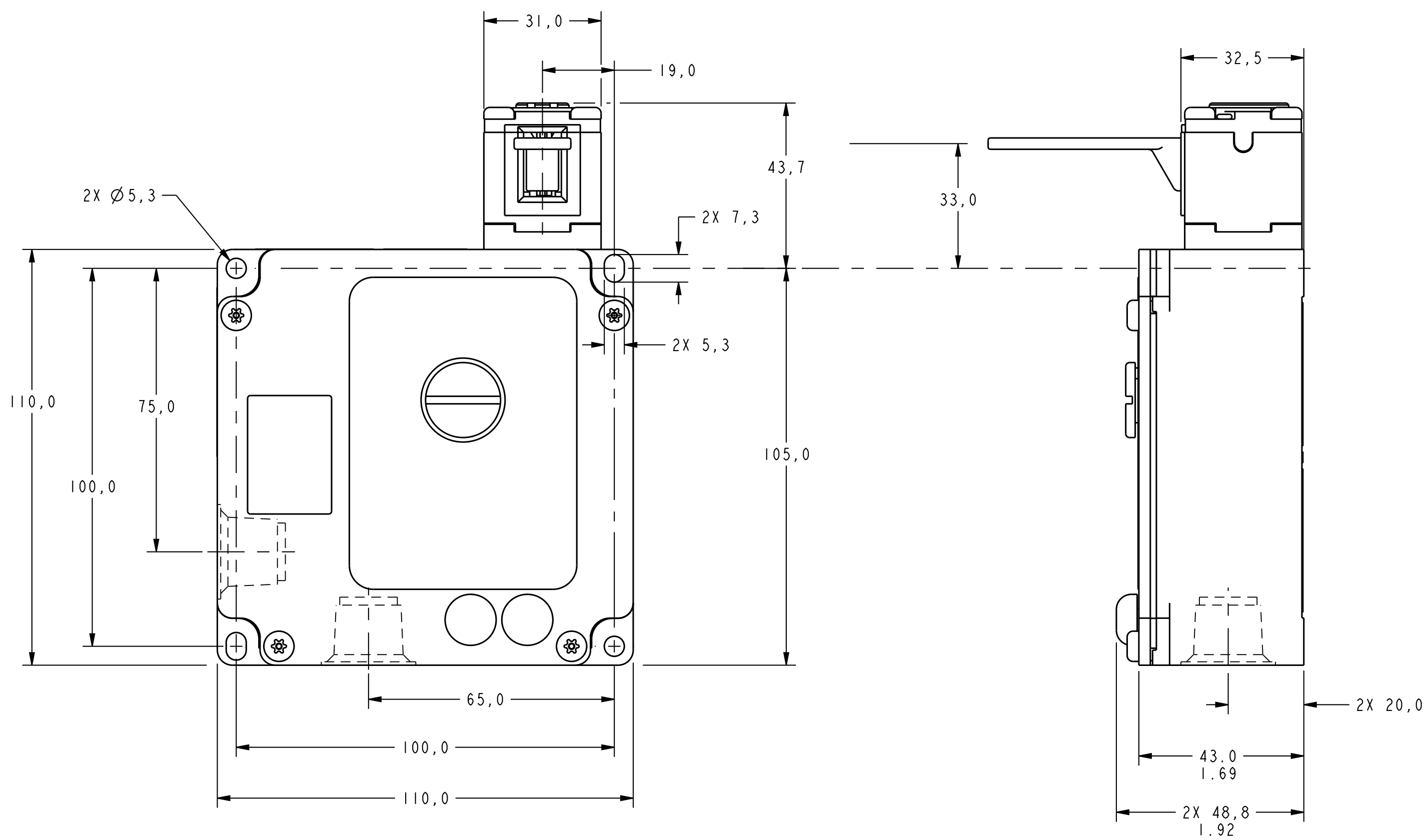
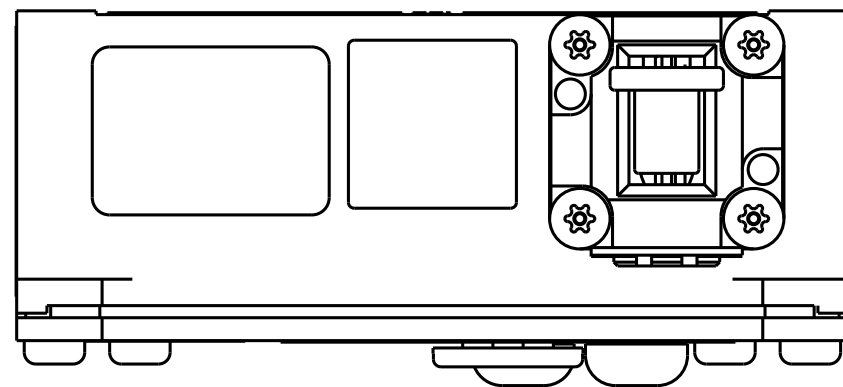
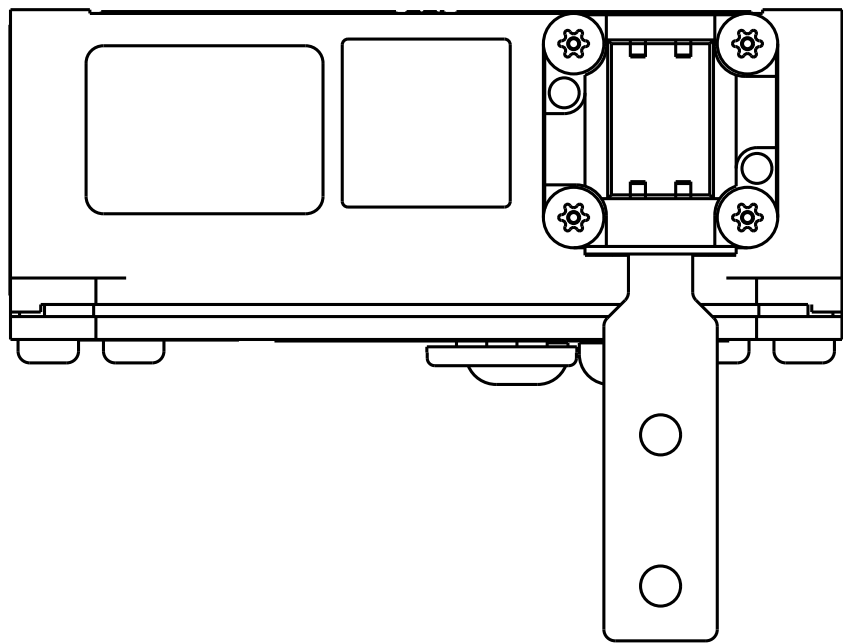
NOTES

- 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.3R1006AZ1F010 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

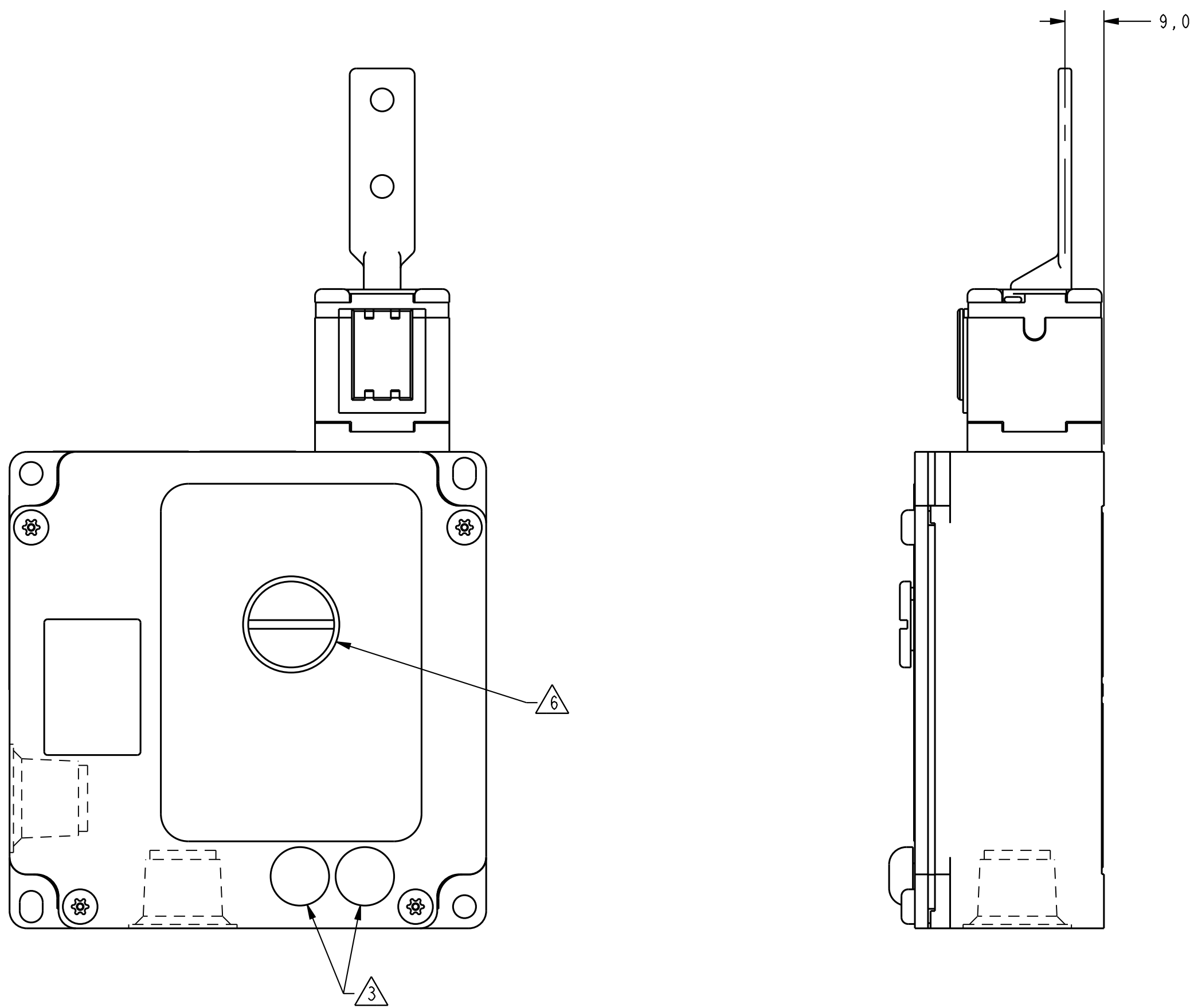
ELECTRICAL RATING				ENVIRONMENTAL RATINGS	APPROVALS
AC		DC		IP68 NEMA 1, 4, 6P, 12 & 13	 IEC 947-5-1 EN60947-5-1
A300	AC 15	O300	DC 13	TEMP RANGE -25°C TO 40°C	
Ue	Ie	Ue	Ie	-13°F TO 104°F	
(VOLTS)	(AMPS)	(VOLTS)	(AMPS)	STORAGE -40°C TO 120°C	
120	6	24	2.9	-40°F TO 248°F	
240	3	125	.55	SHOCK: 50G PER 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. mm	TOL mm	DIM. IN	TOL IN
NO PLACES	1/16	1	0.0031
ONE PLACE	0.0156	1.1X	0.3841
TWO PLACES	0.0156	1.1X	0.1370
THREE PLACES			
ANGLES			
SI METRIC ☒		US CUSTOMARY ☐	
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.			
FED. MFG. CODE 91929		CATALOG LISTING	
MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK	
		GK SERIES CHART 4	



FRONT KEY ENTRY



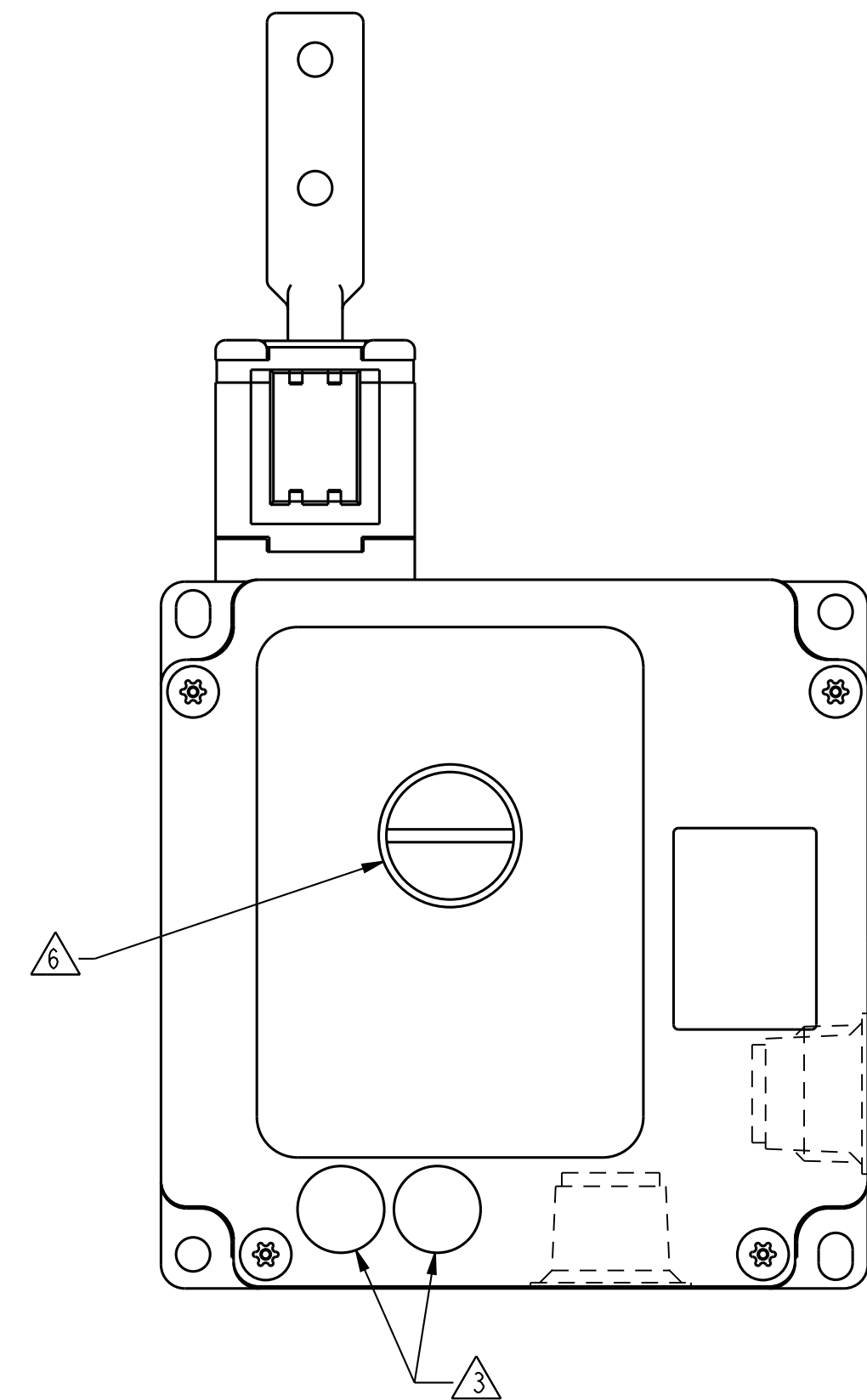
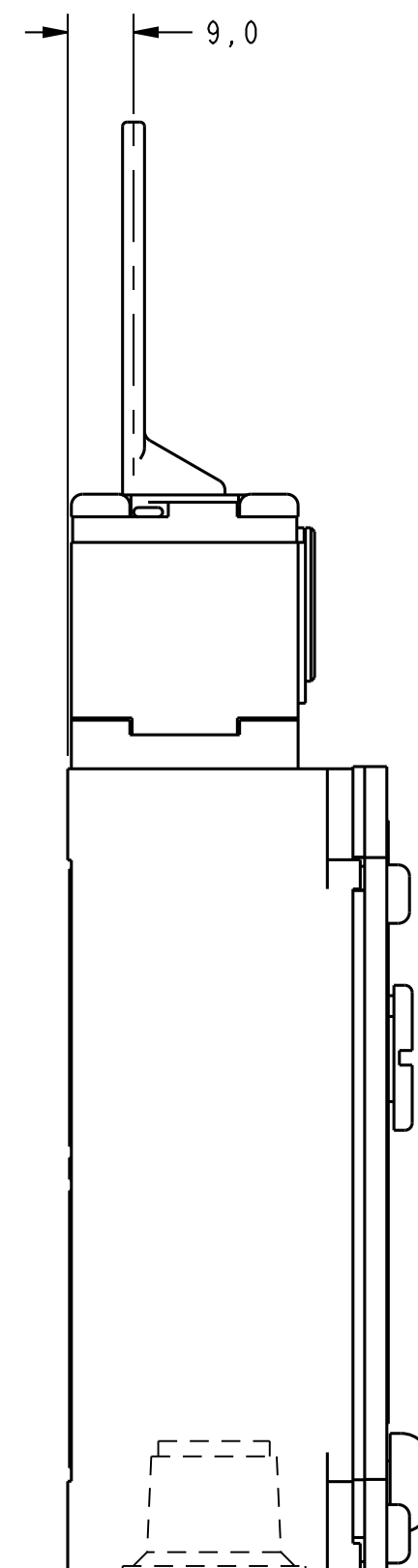
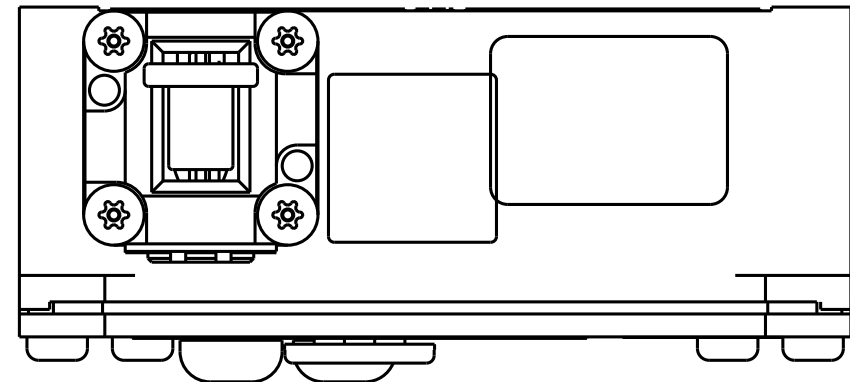
TOP KEY ENTRY

BODY / INDICATOR CODES R OR G

PTC/CAD	3D	DRAWN	WAM	129SEP	98	CHECK	CMH	11MAY99	CHECK	PRS	04FEB09	CHECK	CMH	10NOV11	RELEASE NO. PR-23758	PAGE	2 OF 16	REPLACES	-
ISSUE	5254	DRAWING NUMBER	0047583	REV	04FEB09	DATE	0065737	TIME	31MAY10	REV	0083578	DATE	0083578	TIME	0083578	DATE	0083578	TIME	0083578

REVISIONS	DATE	BY	DESCRIPTION
1	04FEB09	CMH	ISSUE
2	04FEB09	CMH	ISSUE
3	04FEB09	CMH	ISSUE
4	04FEB09	CMH	ISSUE
5	04FEB09	CMH	ISSUE
6	04FEB09	CMH	ISSUE
7	04FEB09	CMH	ISSUE
8	04FEB09	CMH	ISSUE
9	04FEB09	CMH	ISSUE
10	04FEB09	CMH	ISSUE
11	04FEB09	CMH	ISSUE
12	04FEB09	CMH	ISSUE
13	04FEB09	CMH	ISSUE
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15	04FEB09	CMH	ISSUE
16	04FEB09	CMH	ISSUE
17	04FEB09	CMH	ISSUE
18	04FEB09	CMH	ISSUE
19	04FEB09	CMH	ISSUE
20	04FEB09	CMH	ISSUE

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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			



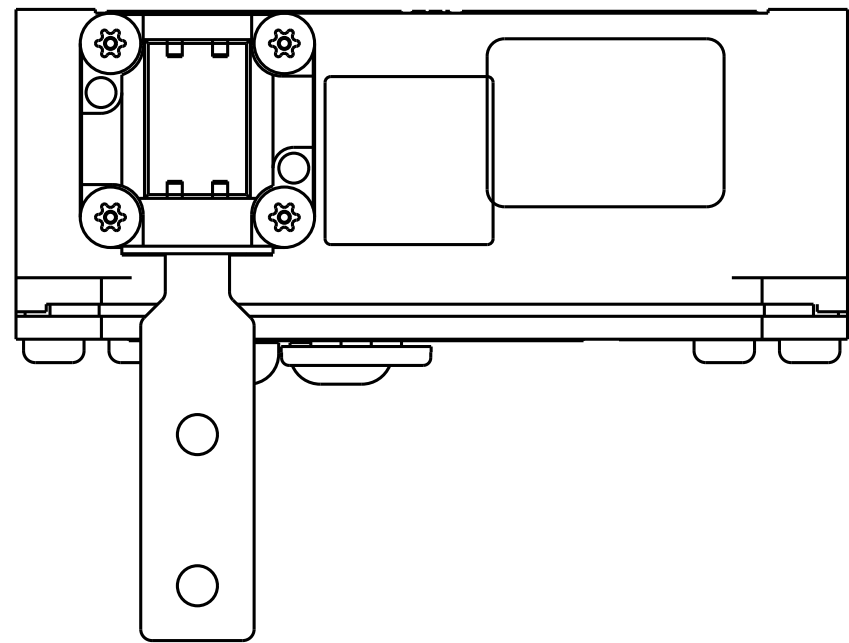
TOP KEY ENTRY

FRONT KEY ENTRY

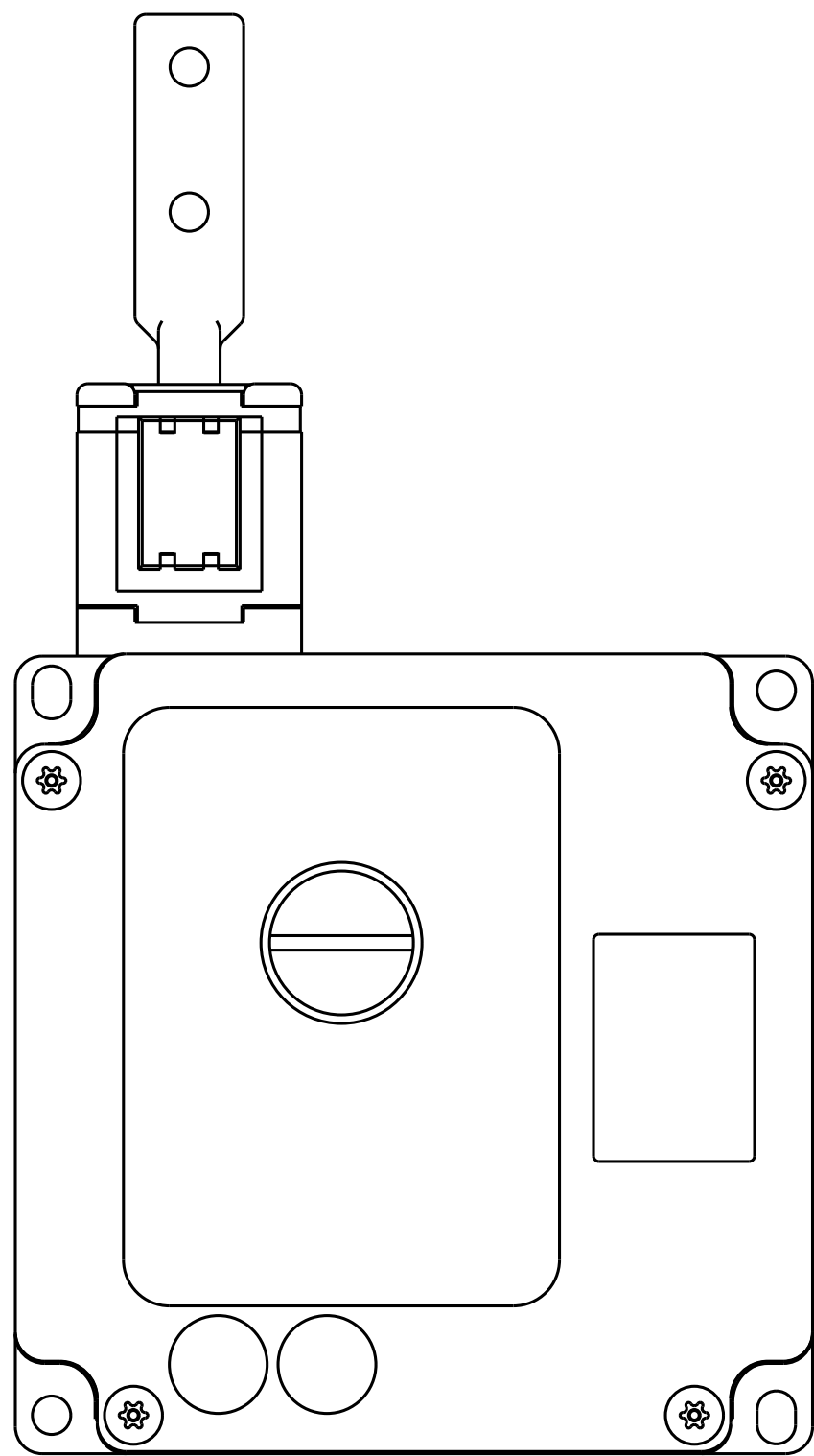
BODY / INDICATOR CODES L OR F

[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>± 0.04</td><td>1.1</td><td>0.001</td></tr><tr><td>TWO PLACES</td><td>± 0.01 / .004</td><td>1.151</td><td>0.0015 / .003</td></tr><tr><td>THREE PLACES</td><td>0.151 / .006</td><td>1.1511</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	± 0.04	1.1	0.001	TWO PLACES	± 0.01 / .004	1.151	0.0015 / .003	THREE PLACES	0.151 / .006	1.1511	0.151 / .005	ANGLES			
DIM.	TOL.	DIM.	TOL.																								
mm / in	mm / in	mm / in	mm / in																								
NO PLACES	± 0.04	1.1	0.001																								
TWO PLACES	± 0.01 / .004	1.151	0.0015 / .003																								
THREE PLACES	0.151 / .006	1.1511	0.151 / .005																								
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 ☒ ☐																									
		WEIGHT 1.5 kg / 3.3 lb																									

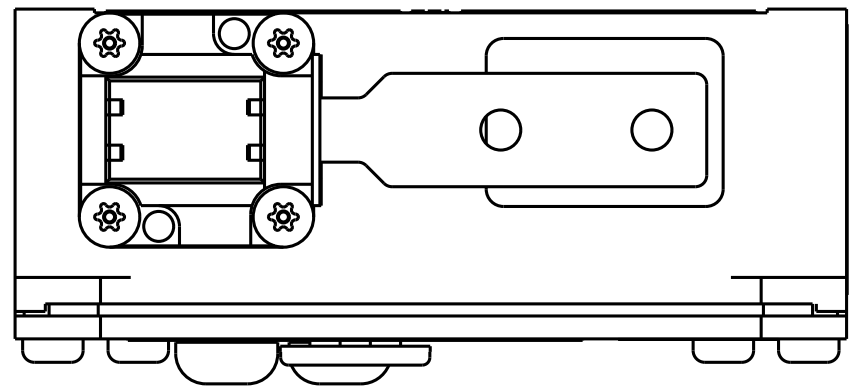
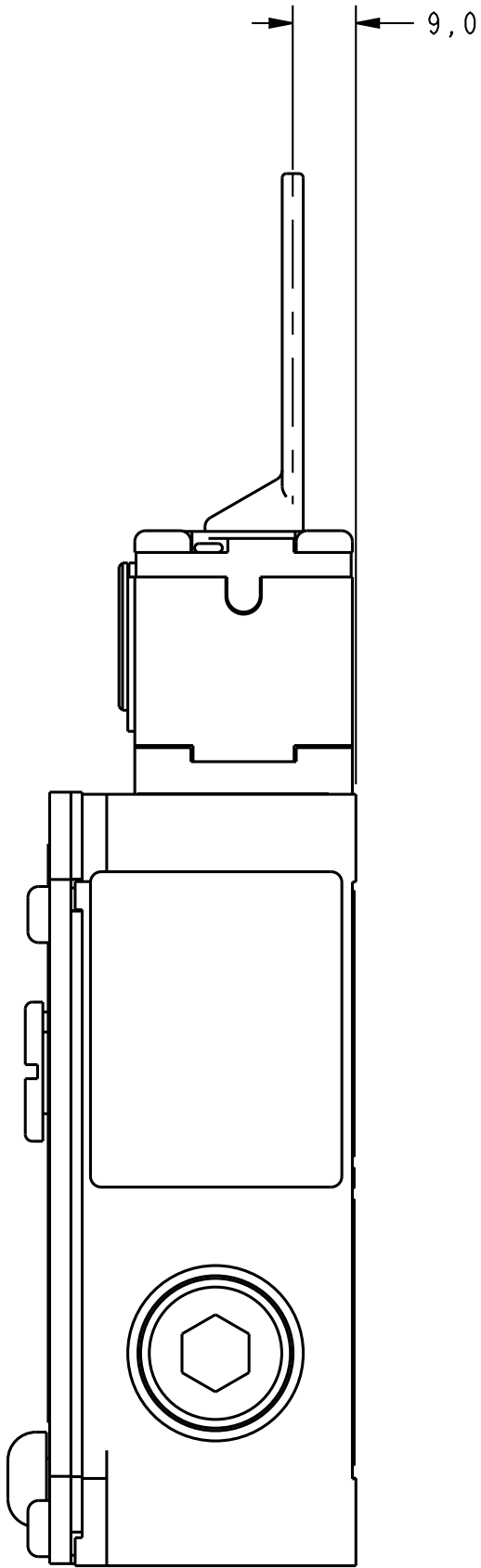


WITH KEY IN FRONT ENTRY POSITION

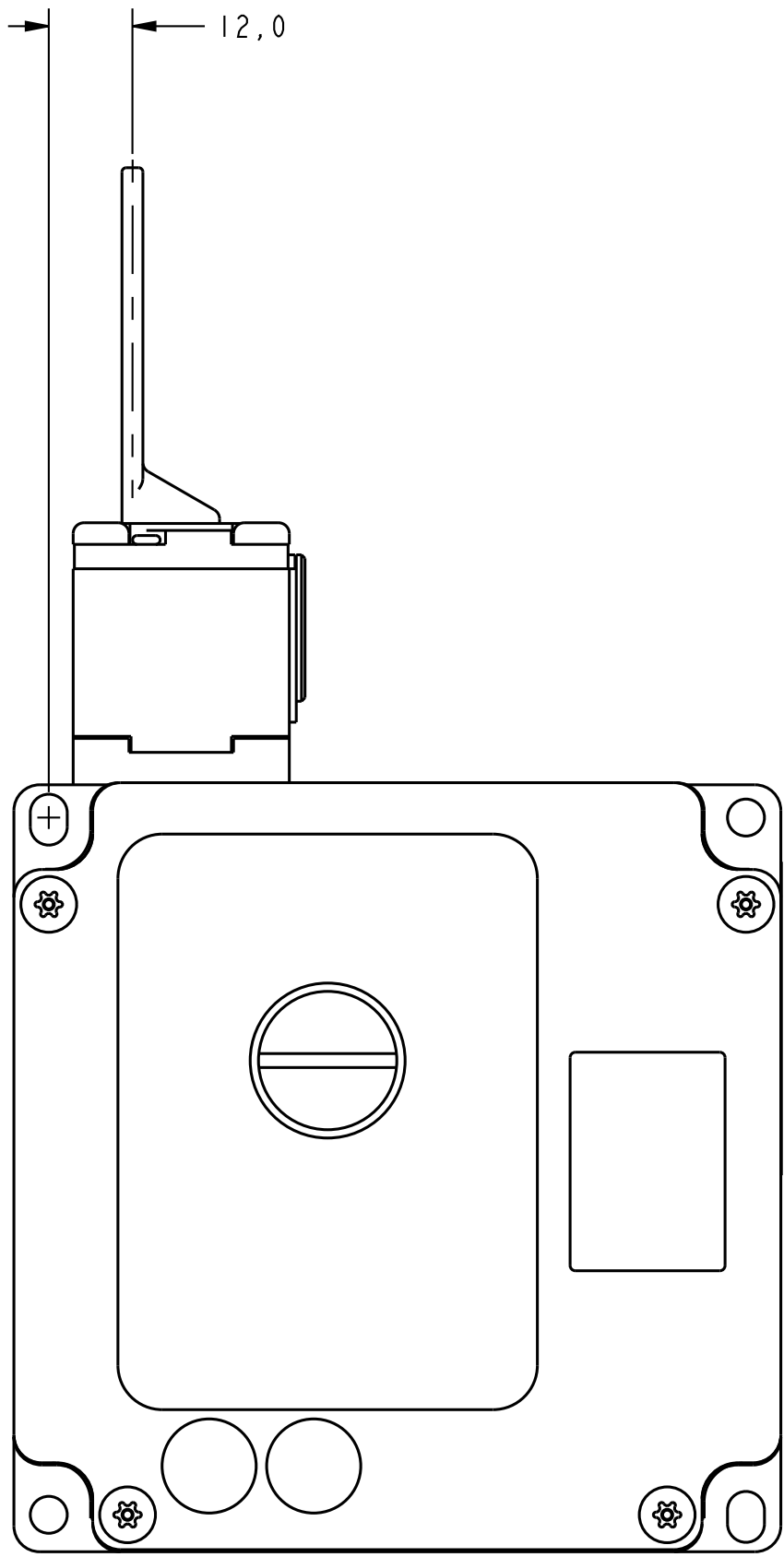


WITH KEY IN TOP ENTRY POSITION

HEAD CODE L

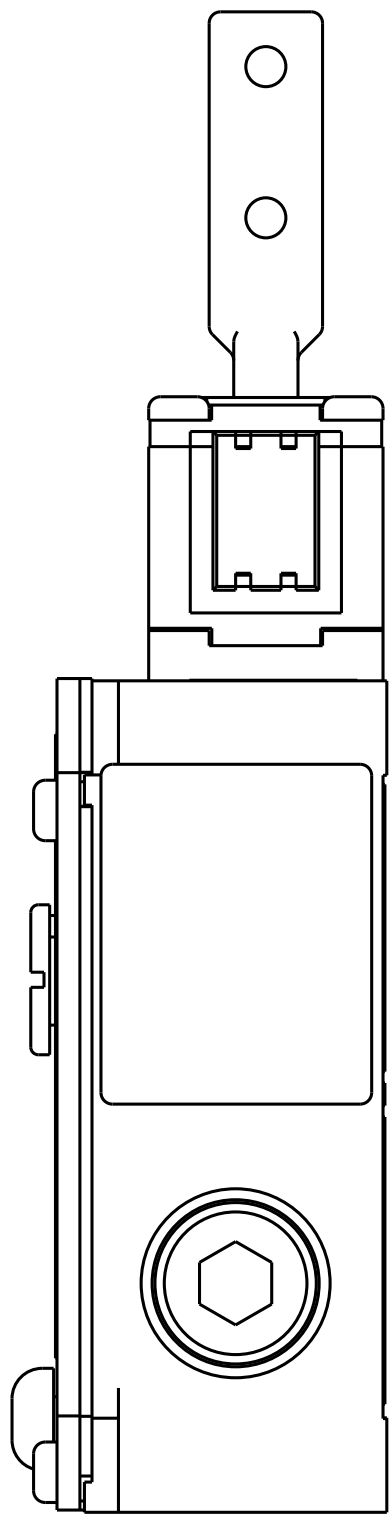


WITH KEY IN FRONT ENTRY POSITION



WITH KEY IN TOP ENTRY POSITION

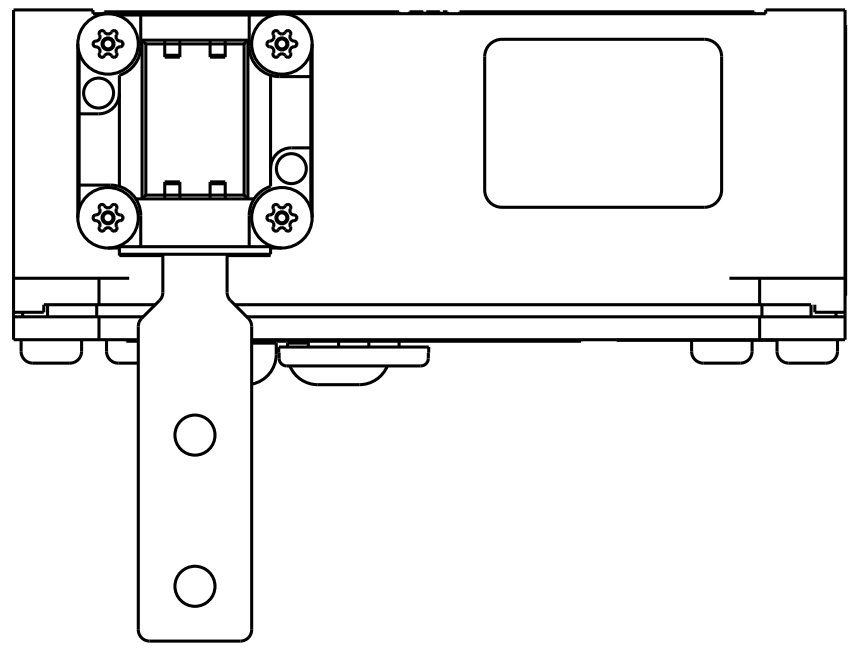
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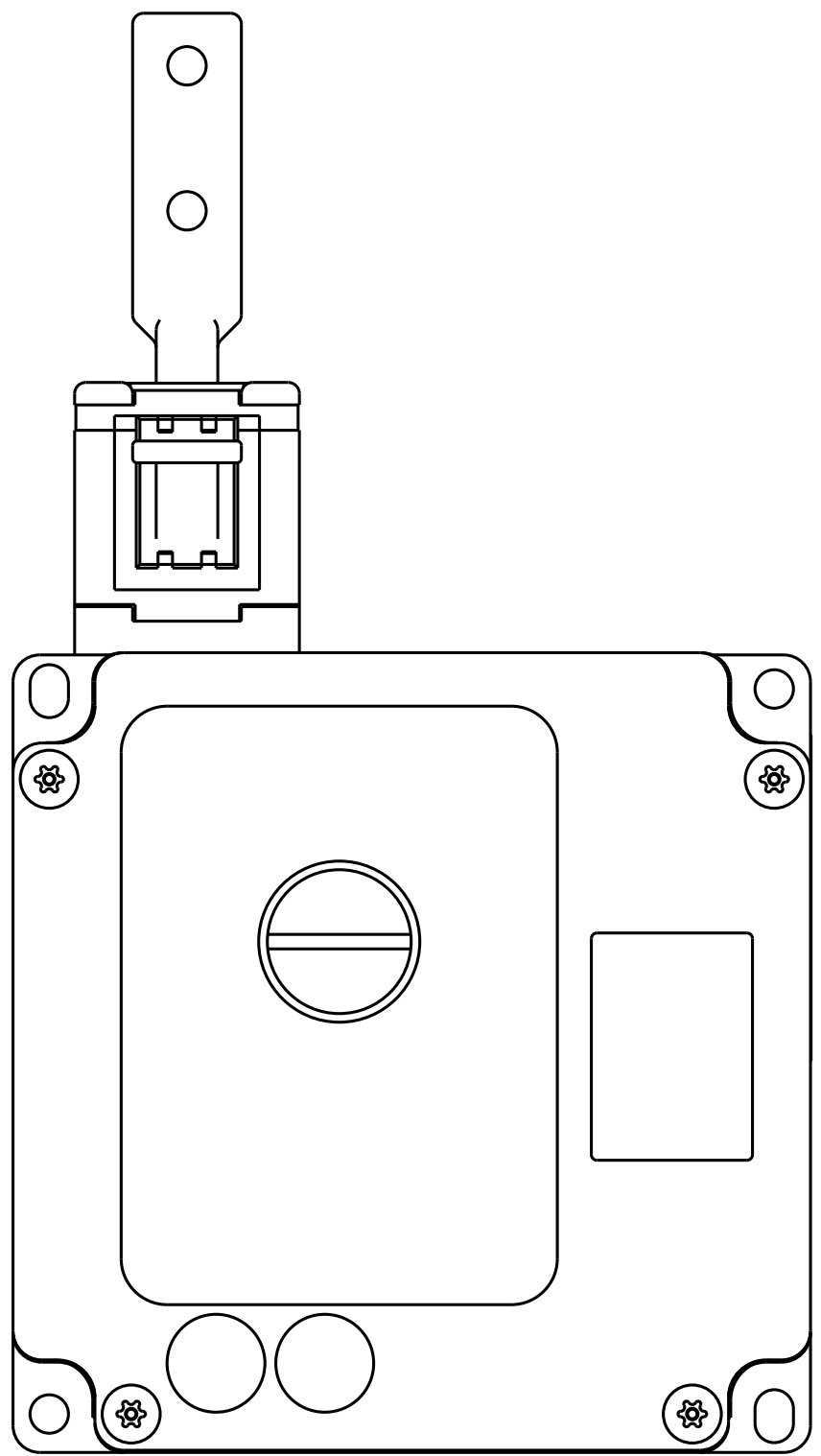
PTC/CAD 3D	MAK	28SEP08	check	CMH	12MAY09	check	PRS	04FEB09	check	CMH	10NOV11	RELEASE NO. PR-23758	PAGE 4 OF 16	REPLACES -
ISSUE	5254	DRAWING NUMBER	5254	5254	5254	5254	5254	5254	5254	5254	5254	5254	5254	5254
REVISIONS	1	DATE	04FEB09	BY	CMH	CHK	PRS	04FEB09	CHK	CMH	10NOV11	RELEASE NO. PR-23758	PAGE 4 OF 16	REPLACES -

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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 1			
NO PLACES	ONE PLACE	TWO PLACES	THREE PLACES
ANGLES	2	2.2	2.22
SI METRIC	1/16	0.0156	0.00156
US CUSTOMARY	1/16	0.0156	0.00156

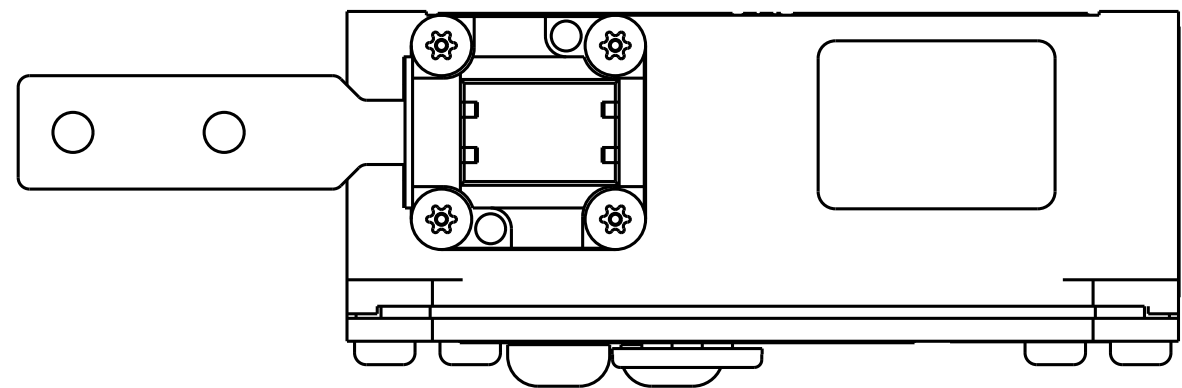


WITH KEY IN FRONT ENTRY POSITION

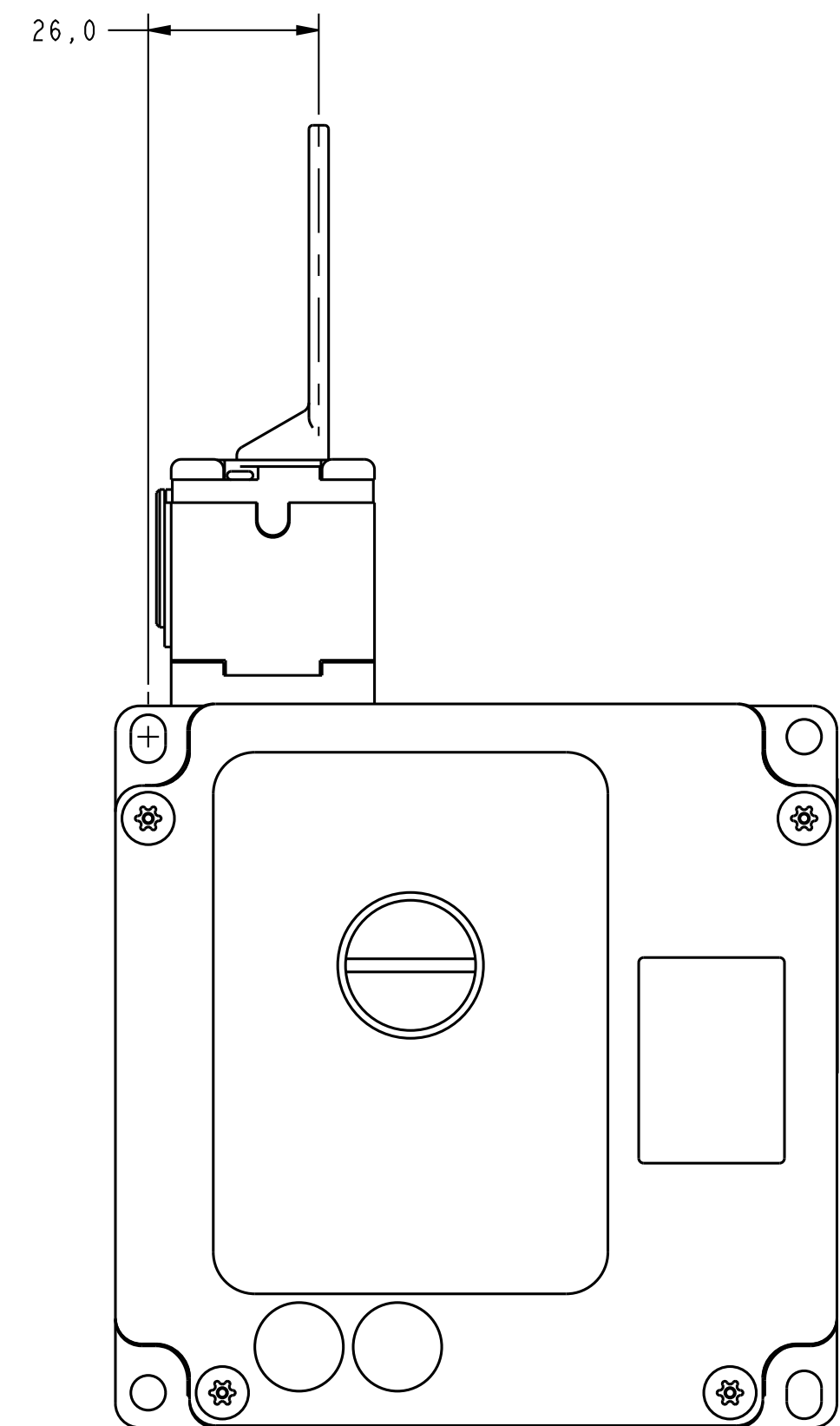


WITH KEY IN TOP ENTRY POSITION

HEAD CODE N



WITH KEY IN FRONT ENTRY POSITION



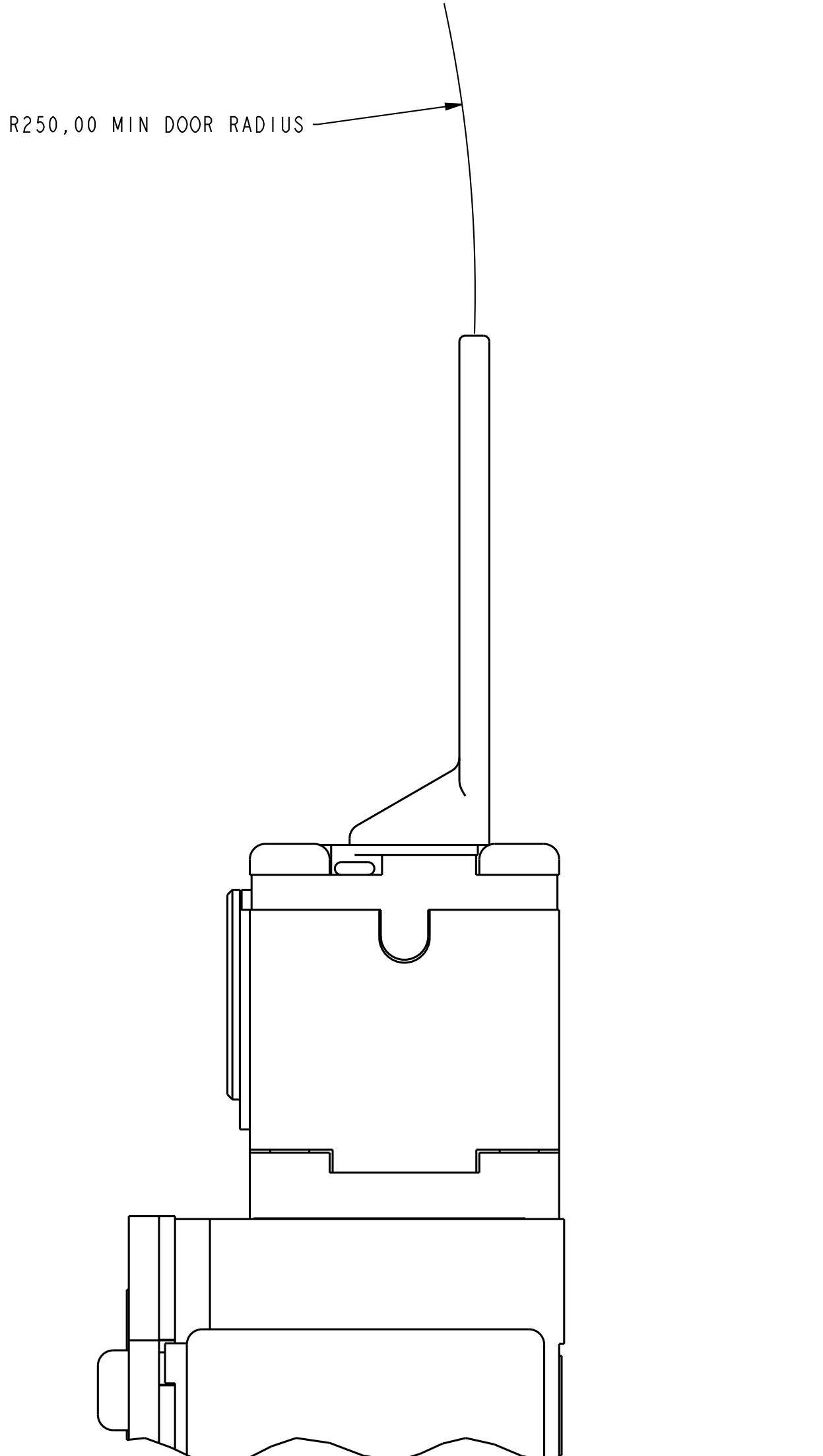
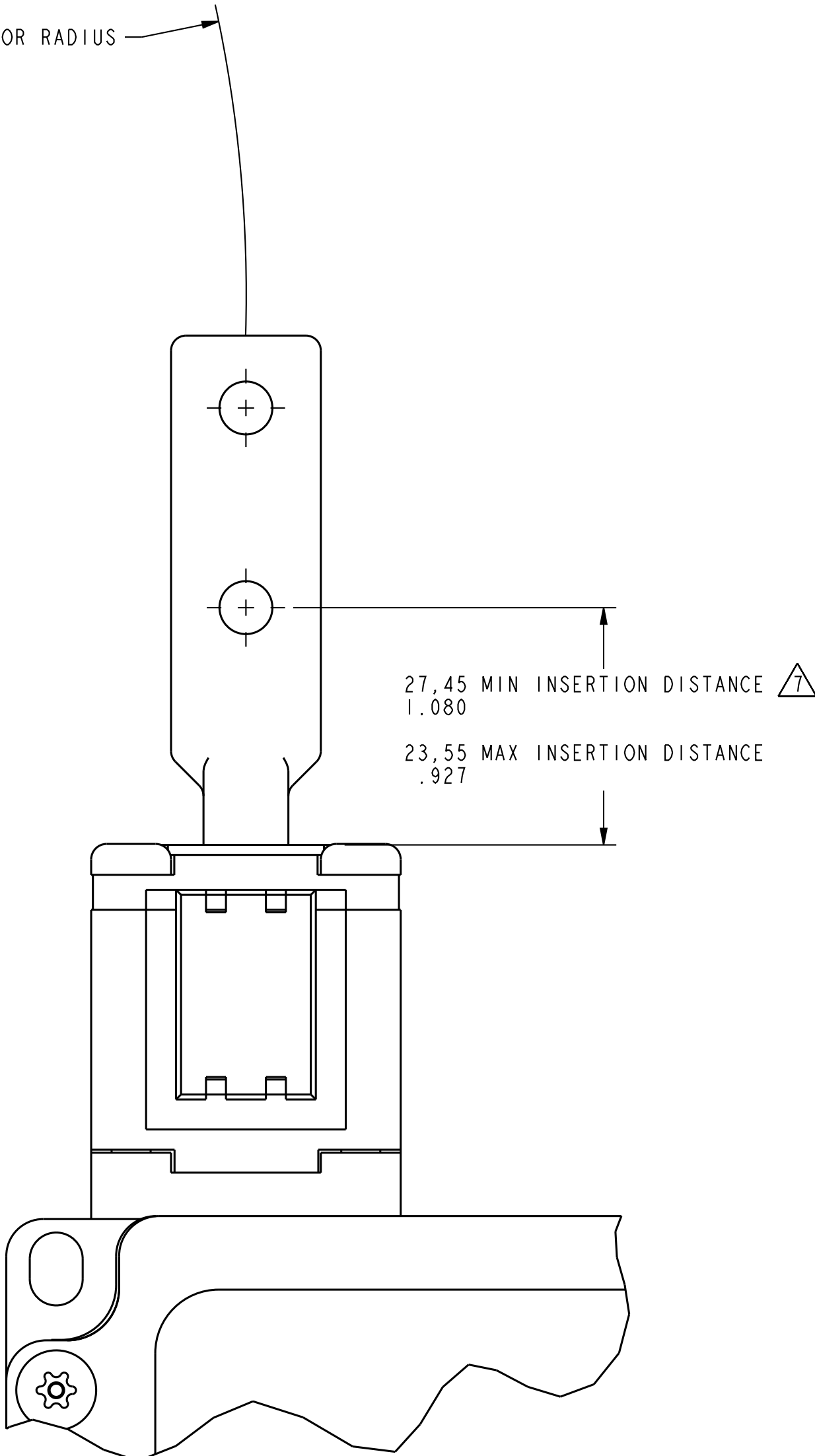
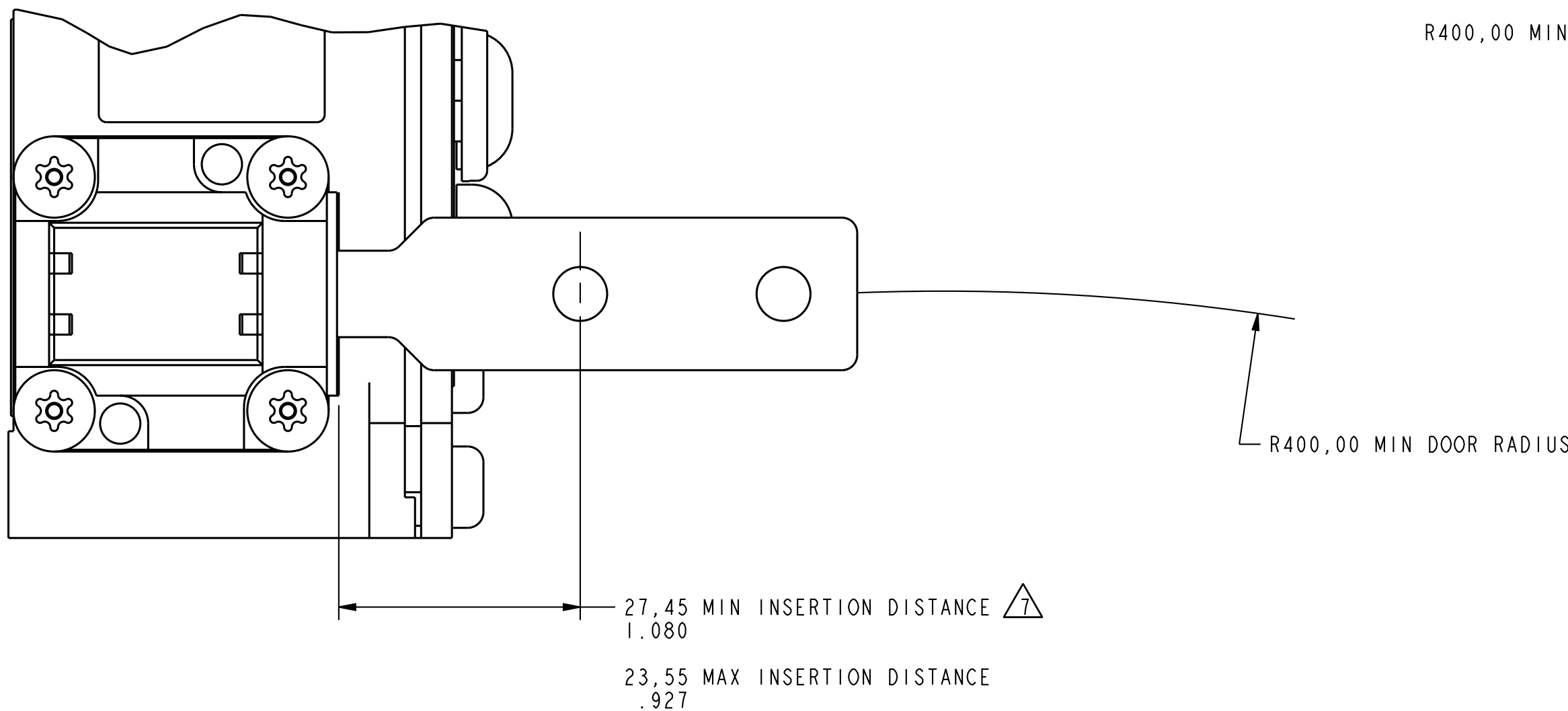
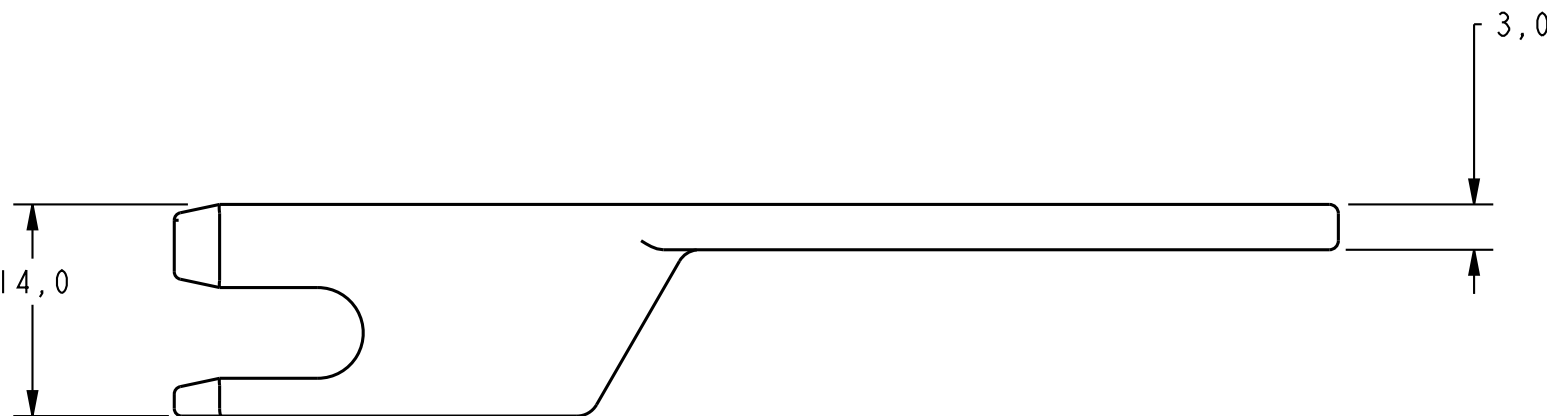
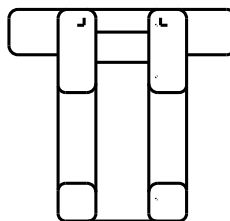
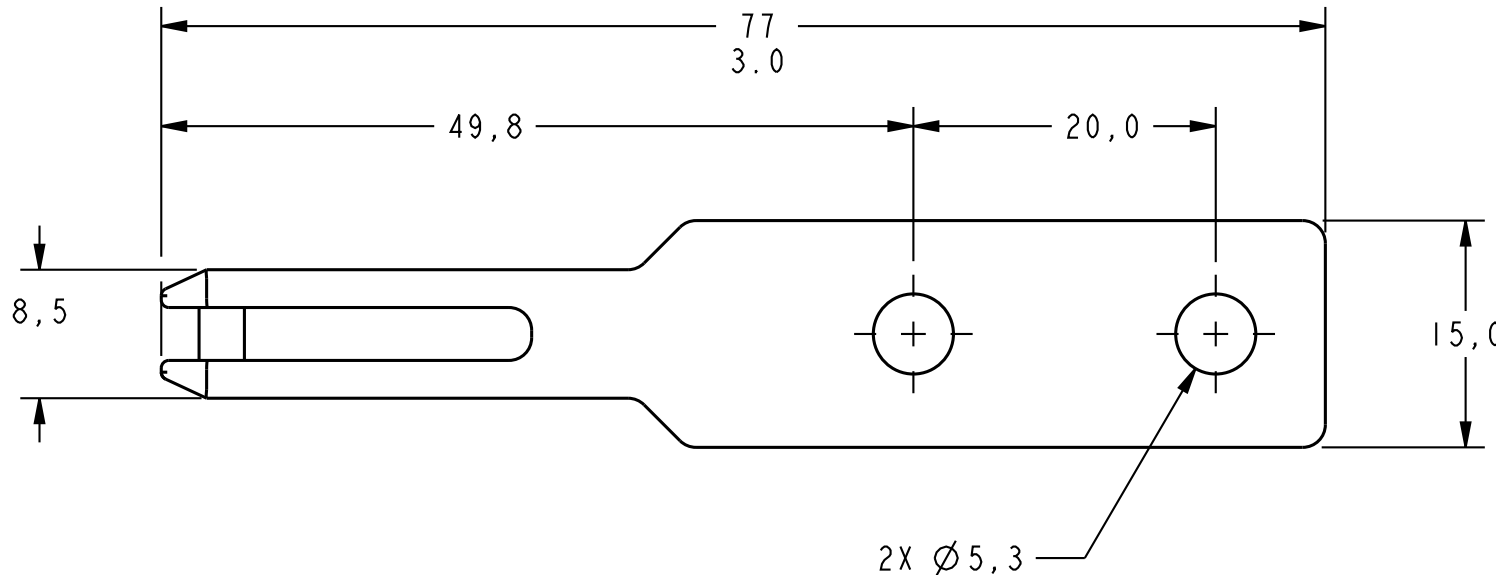
WITH KEY IN TOP ENTRY POSITION

HEAD CODE P

[illegible]

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FED. MFG. CODE 91929	CATALOG LISTING	DIM. TOL. IN. IN. NO PLACES 1/16 .0015 ONE PLACE 1/32 .0010 TWO PLACES 1/64 .0005 THREE PLACES .0005 ANGLES	
MICRO SWITCH a Honeywell Division	SWITCH - DOOR INTERLOCK	DIM. TOL. IN. IN. NO PLACES 1/16 .0015 ONE PLACE 1/32 .0010 TWO PLACES 1/64 .0005 THREE PLACES .0005 ANGLES	
		DIM. TOL. IN. IN. NO PLACES 1/16 .0015 ONE PLACE 1/32 .0010 TWO PLACES 1/64 .0005 THREE PLACES .0005 ANGLES	
GK SERIES CHART 4		DIM. TOL. IN. IN. NO PLACES 1/16 .0015 ONE PLACE 1/32 .0010 TWO PLACES 1/64 .0005 THREE PLACES .0005 ANGLES	
DESIGN UNITS ☒ SI METRIC ☐ US CUSTOMARY		DESIGN UNITS ☒ SI METRIC ☐ US CUSTOMARY	
WEIGHT 1.5 KC / 2.2 LB		WEIGHT 1.5 KC / 2.2 LB	

KEY CODE 6

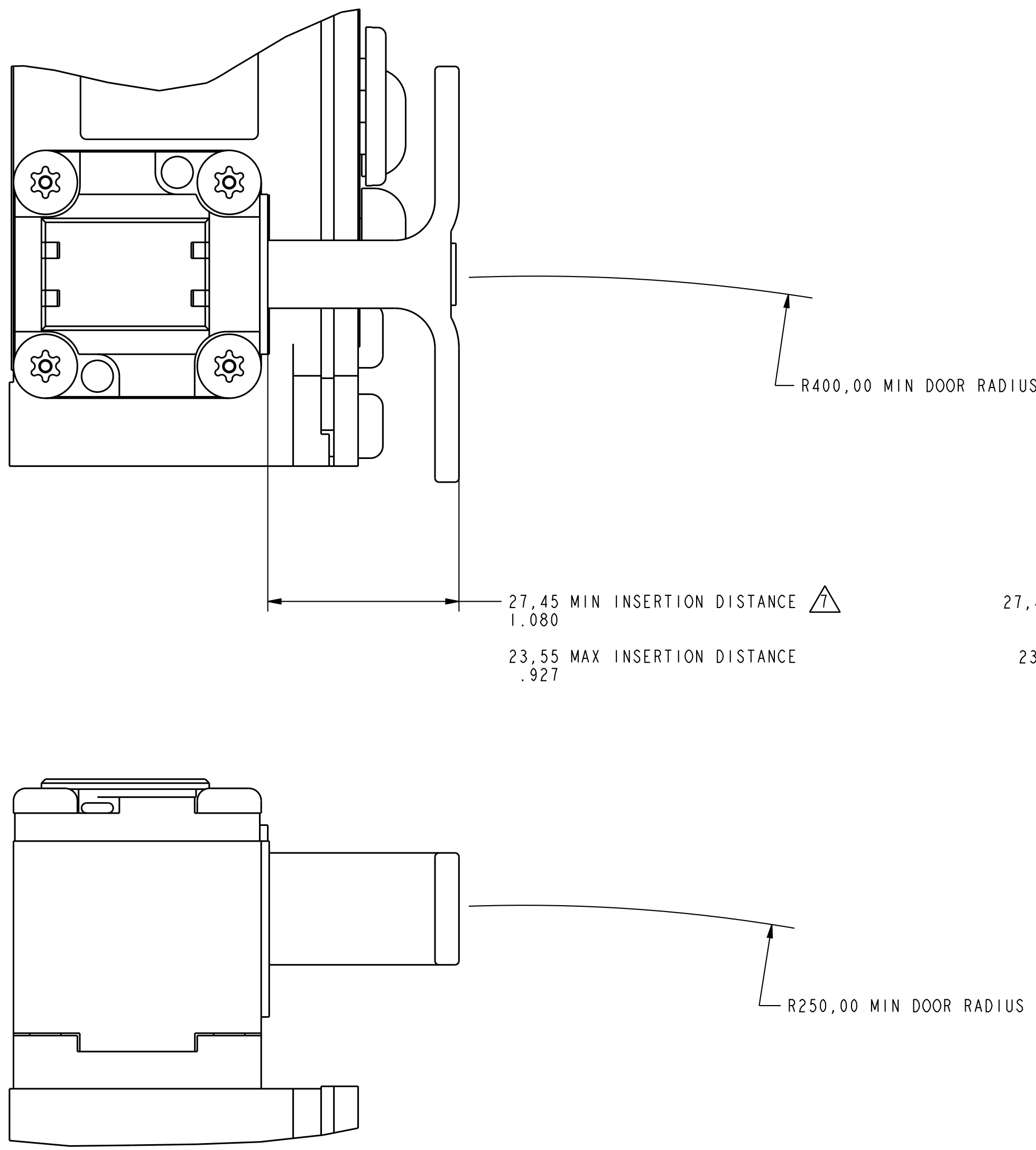


FRONT KEY ENTRY

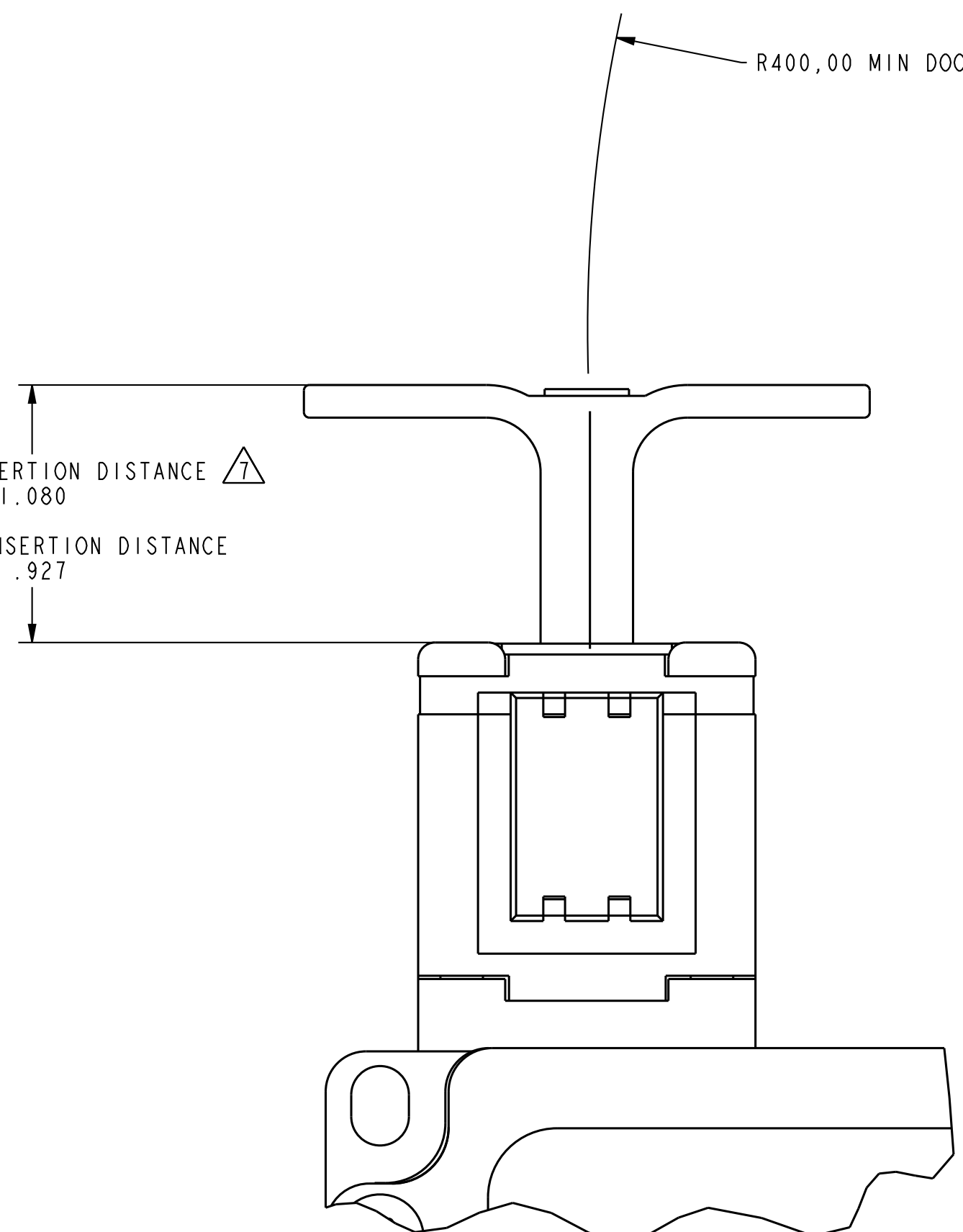
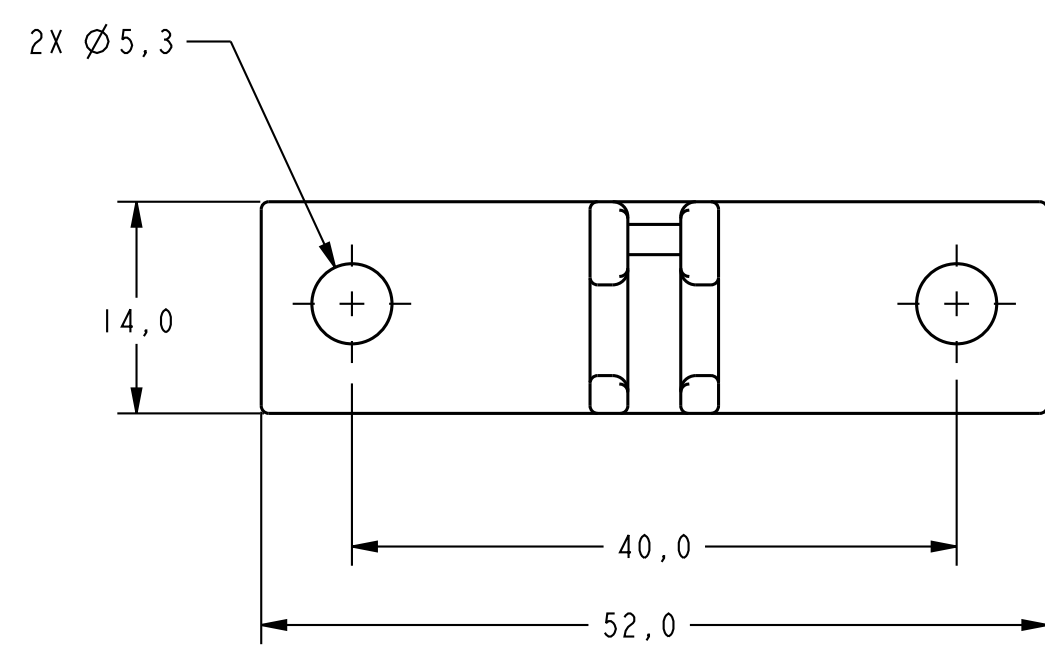
TOP KEY ENTRY

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FED. MFG. CODE 91929		CATALOG LISTING		S1 METRIC ☒		US CUSTOMARY ☐	
MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK		GK SERIES CHART 4		WEIGHT 1.5 KG / 3.3 LB	

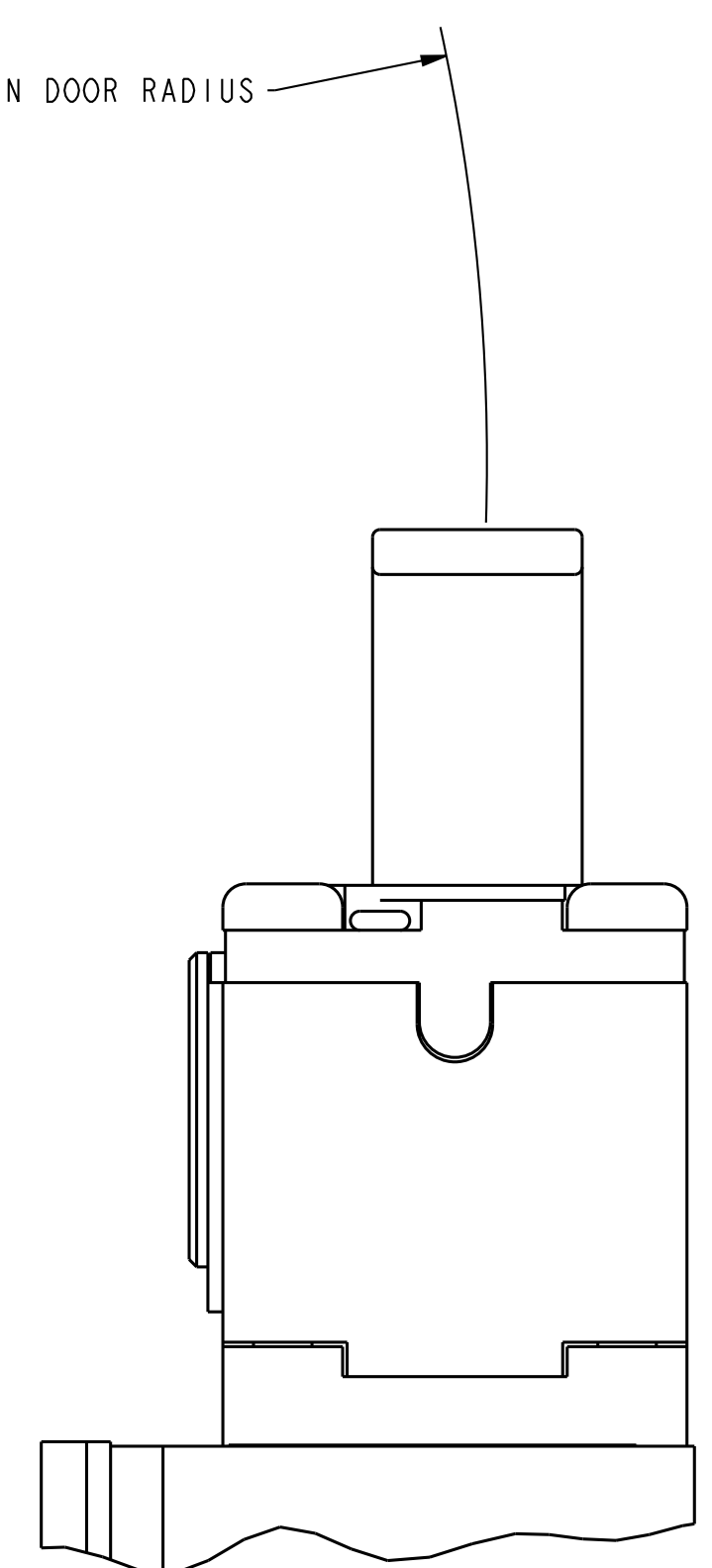
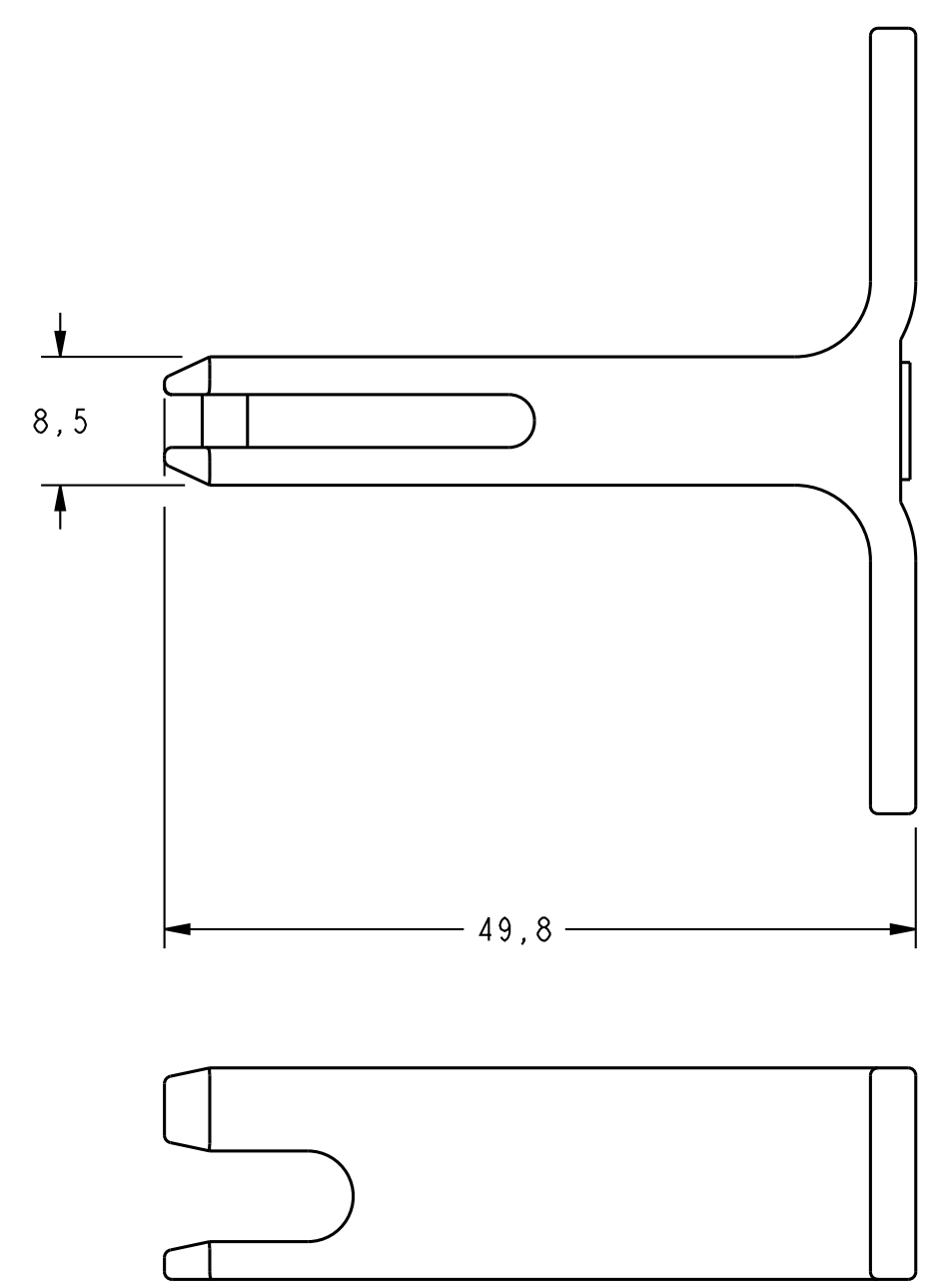
KEY CODE 7



FRONT KEY ENTRY



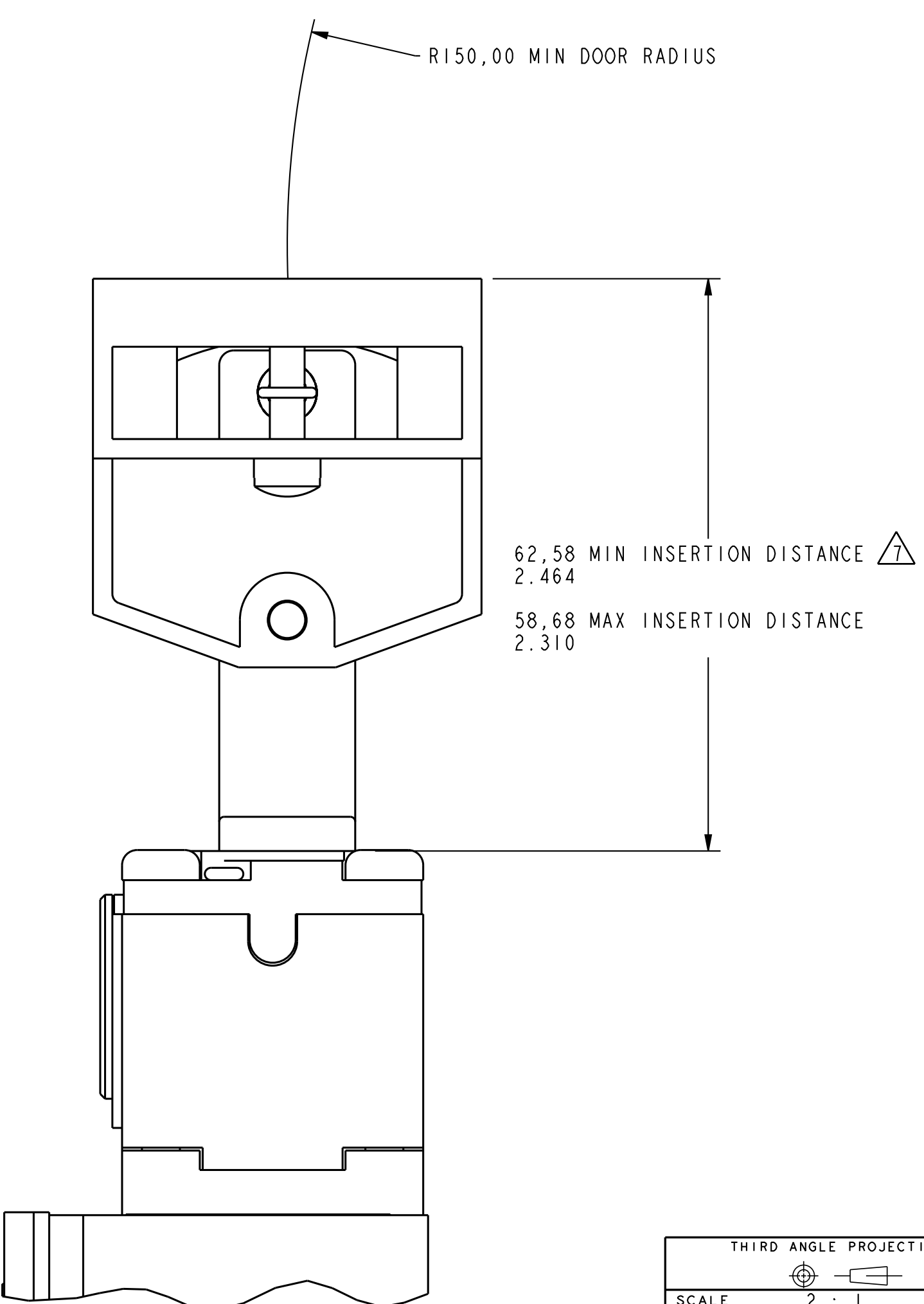
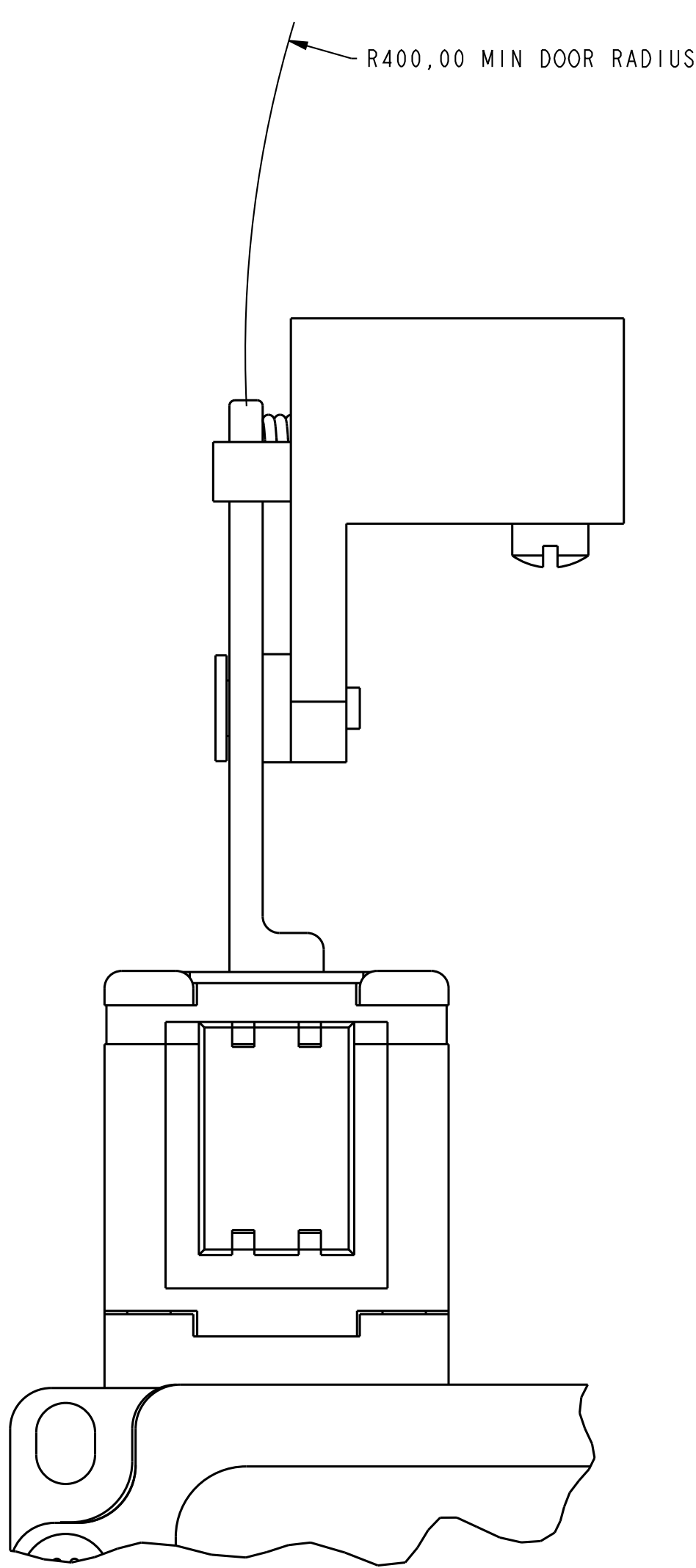
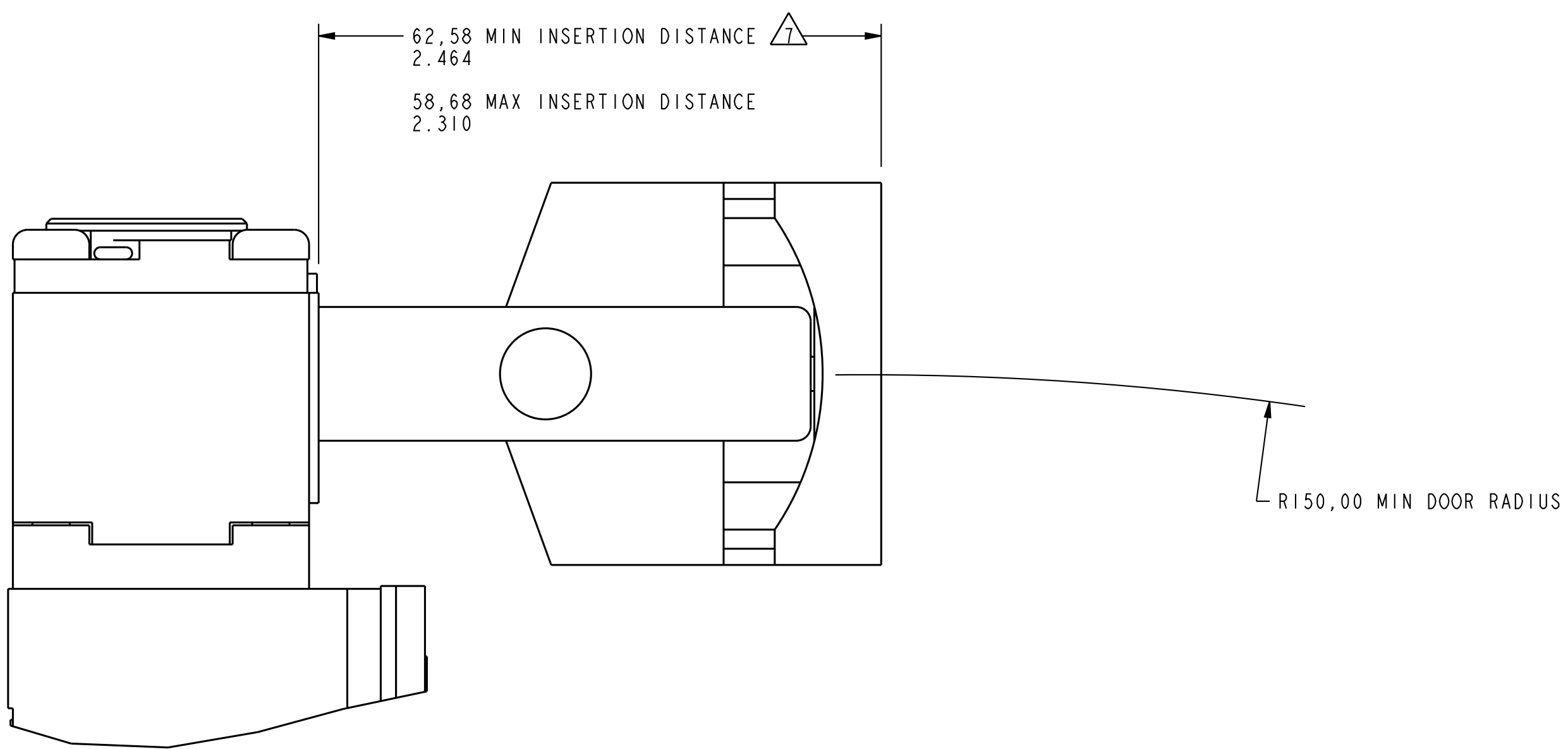
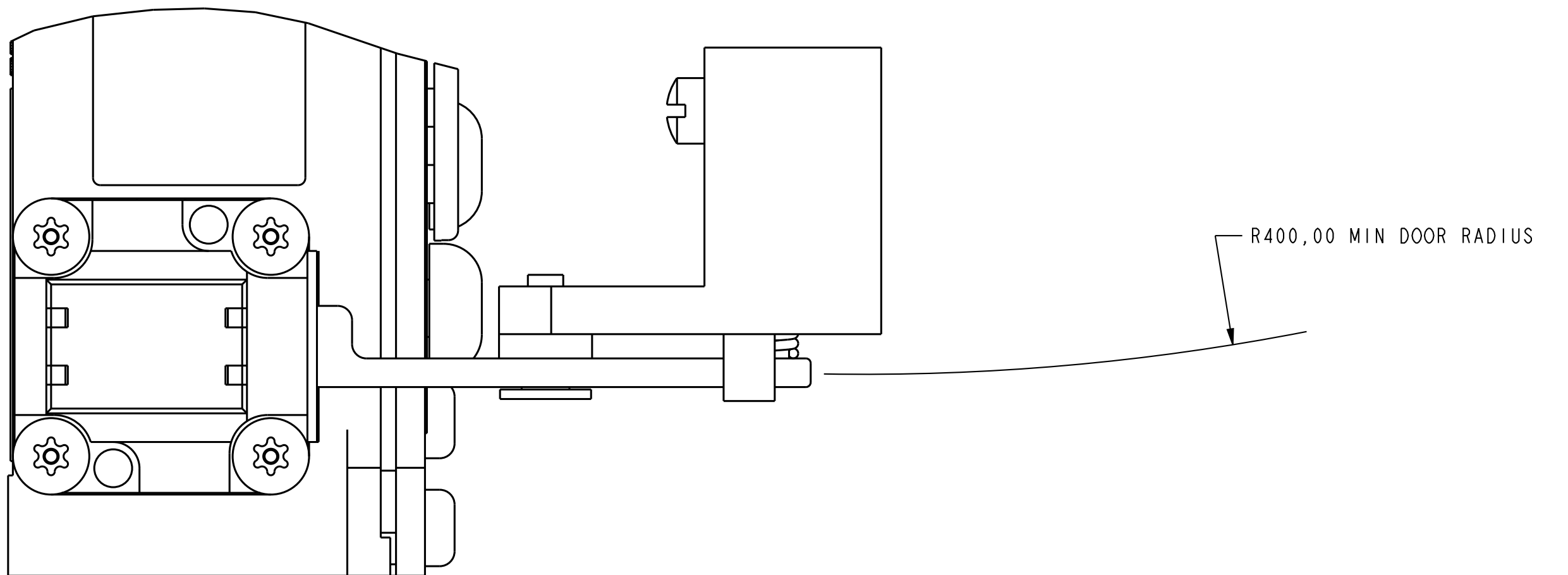
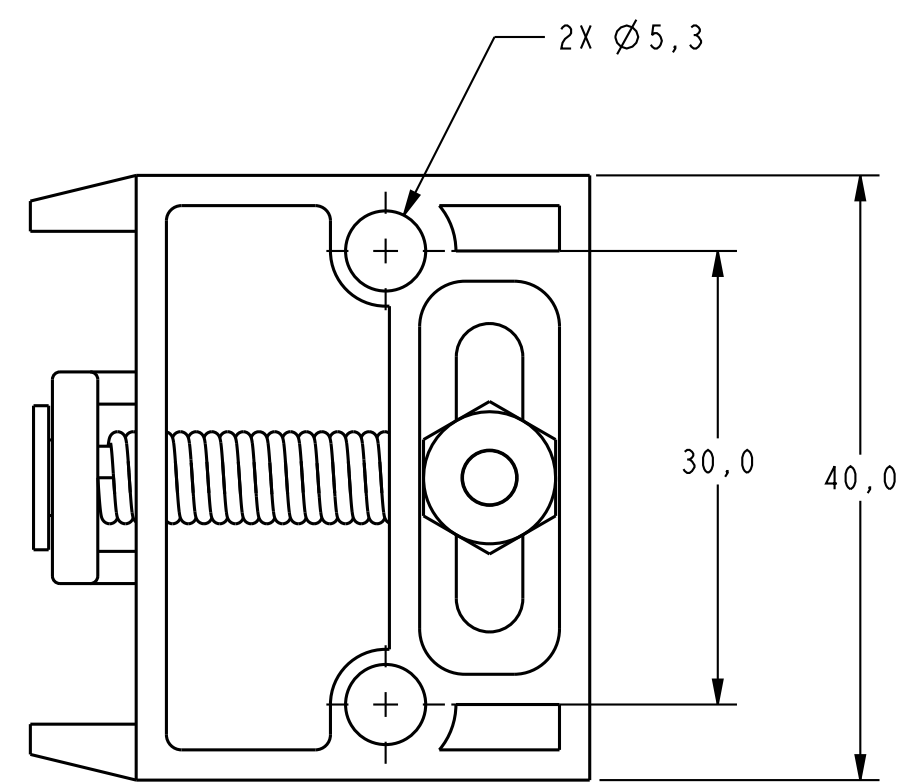
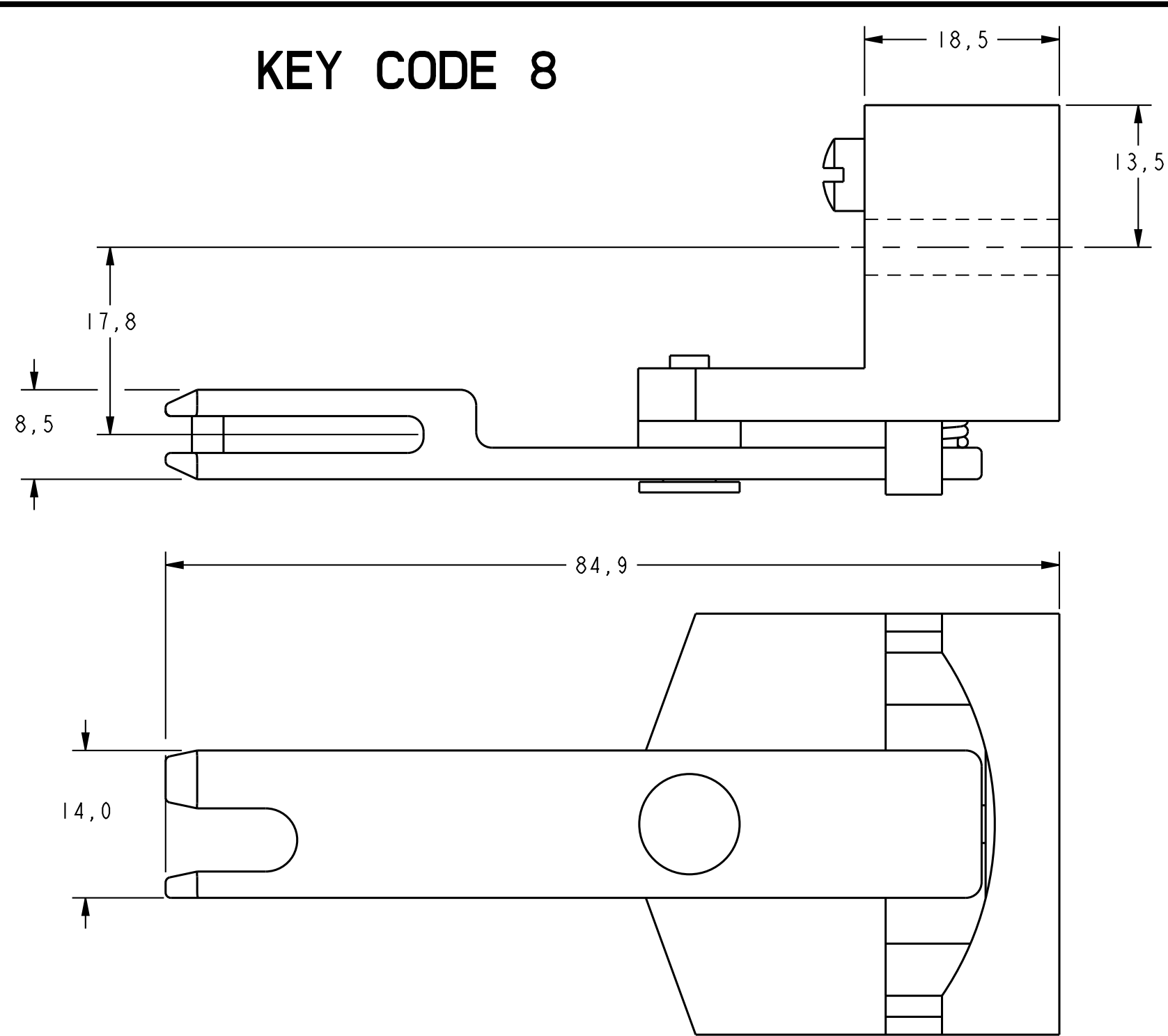
TOP KEY ENTRY



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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	2,2	2,22	1/16, 1/8, 3/16, 1/4, 3/8, 1/2, 5/8, 3/4, 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, 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

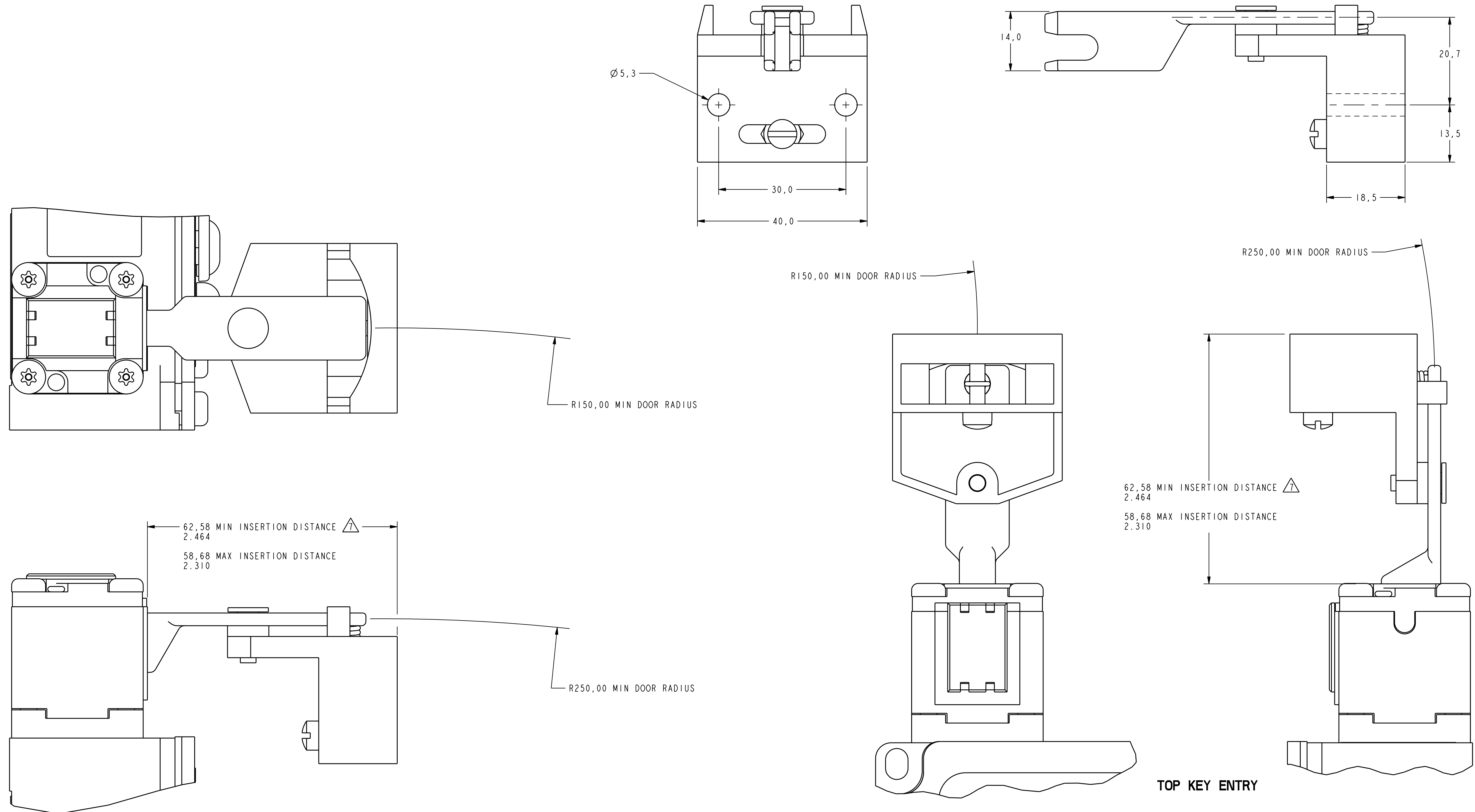
KEY CODE 8



TOP KEY ENTRY

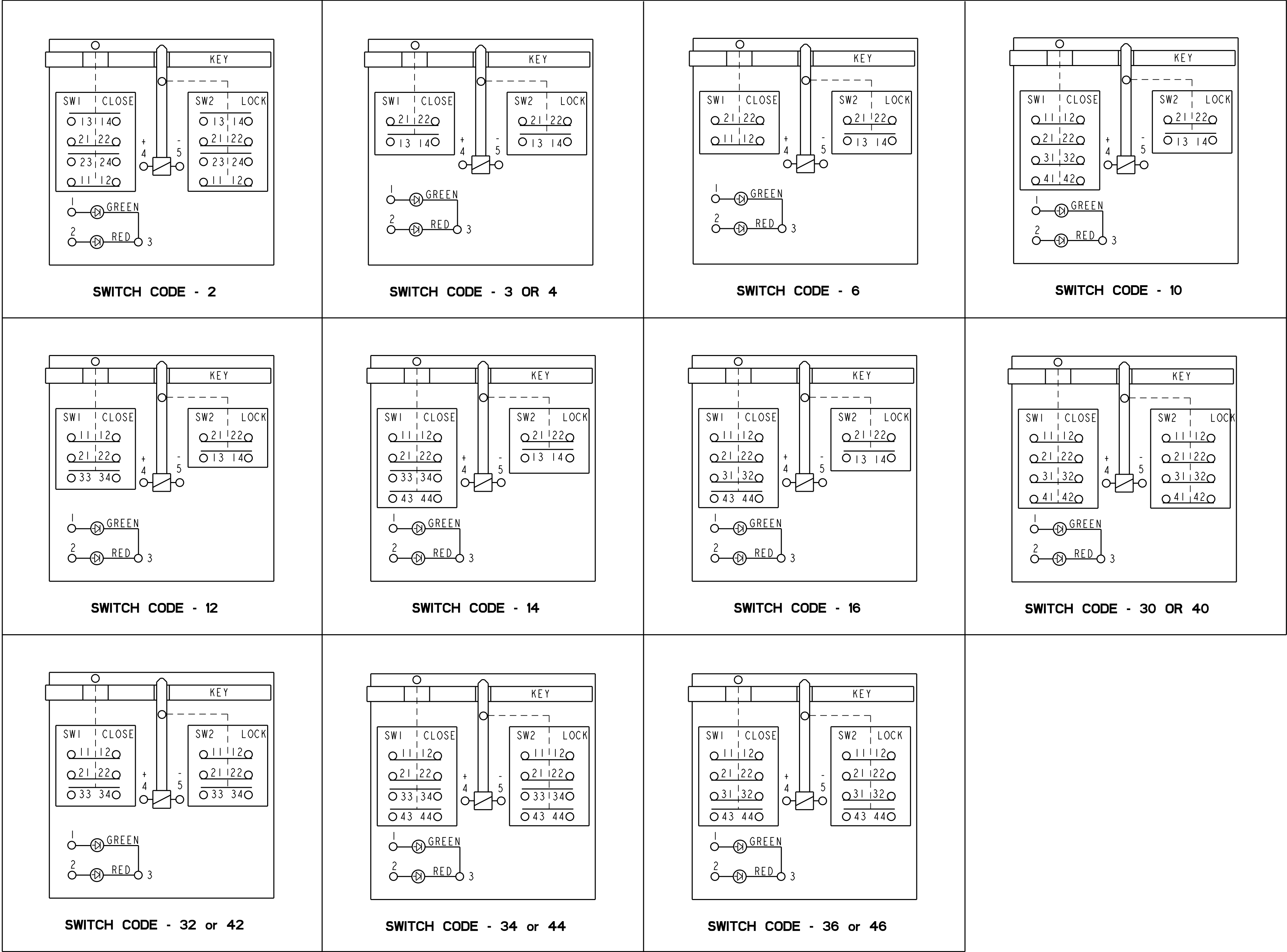
FRONT KEY ENTRY

KEY CODE 9



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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	INCH	TOL.	MM
ONE PLACE	1/16	0.04	1.0
TWO PLACES	1/32	0.0156	0.38
THREE PLACES	1/64	0.0078	0.19
ANGLES	1/16	0.0078	0.19
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

PTC/CAD 3D
DRAWN
MAM
LOC 198
CHECK
CMH
12MAY99
CHECK
PRS
04FEB09
CHECK
CMH
10 NOV 11
RELEASE NO. PR-23758
REPLACES
-
REVISIONS
N 0047583
S 04FEB09
P 0065737
R 0083578
31MAY10
0083578

M GK SERIES CHART 4
PAGE 10 OF 16

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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			

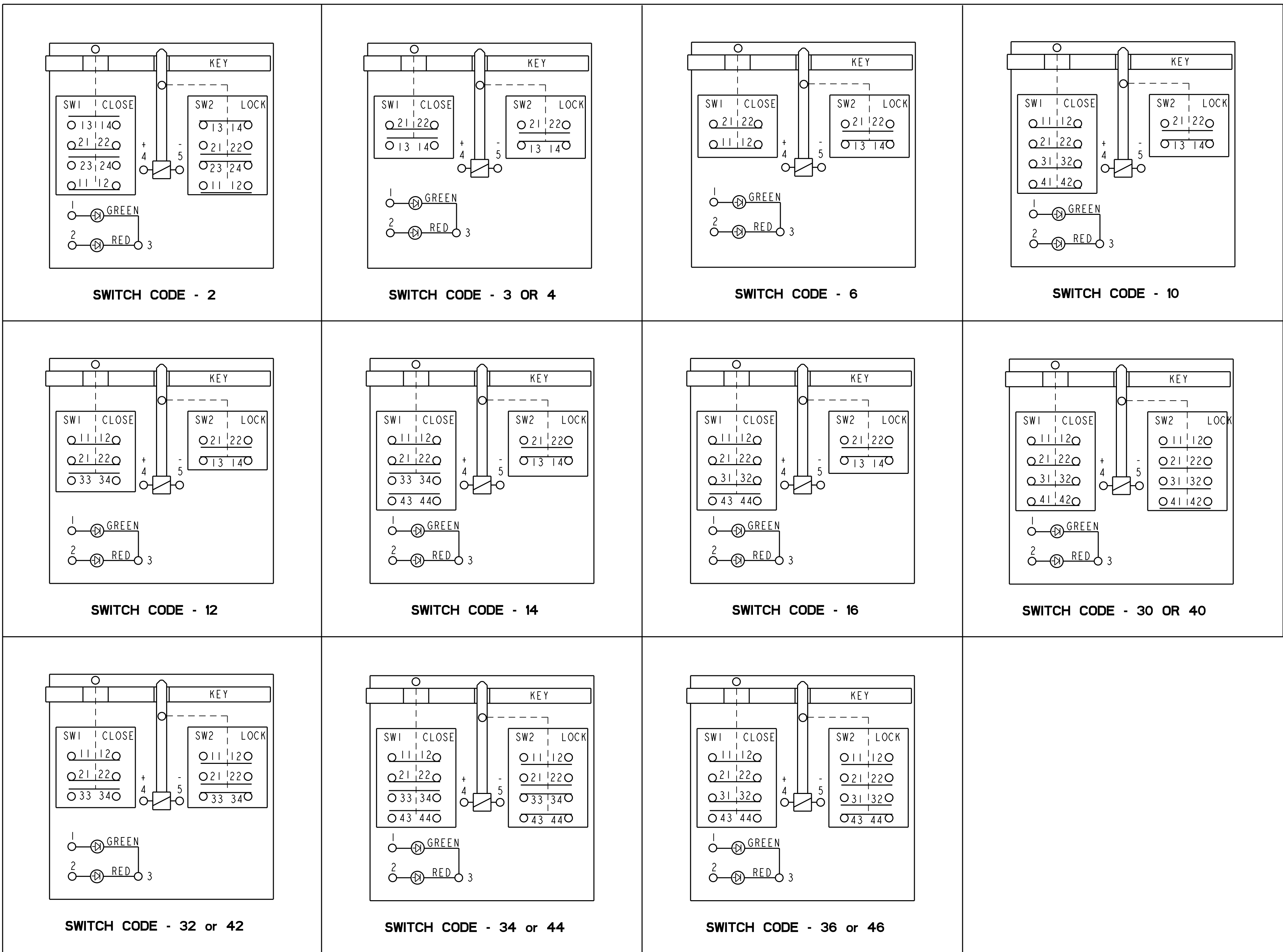
THIRD ANGLE PROJECTION

SCALE NTS

DO NOT SCALE PRINT

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

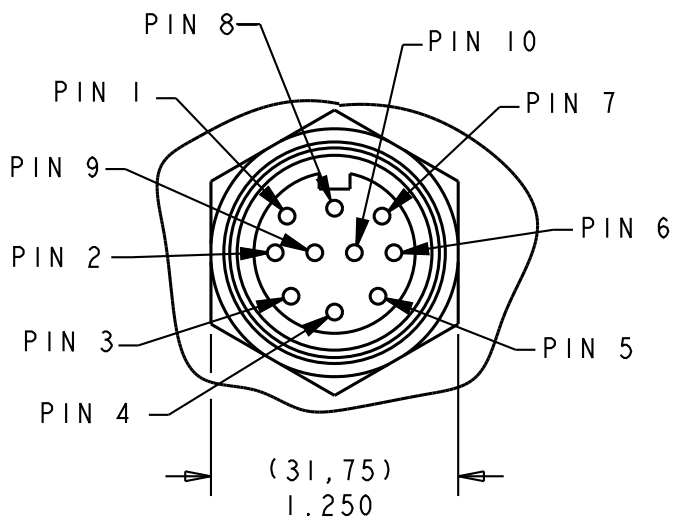
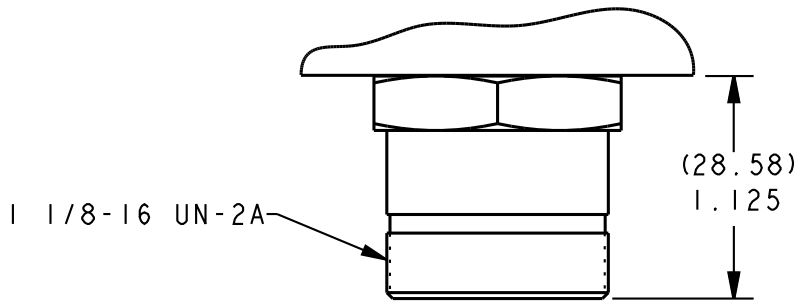
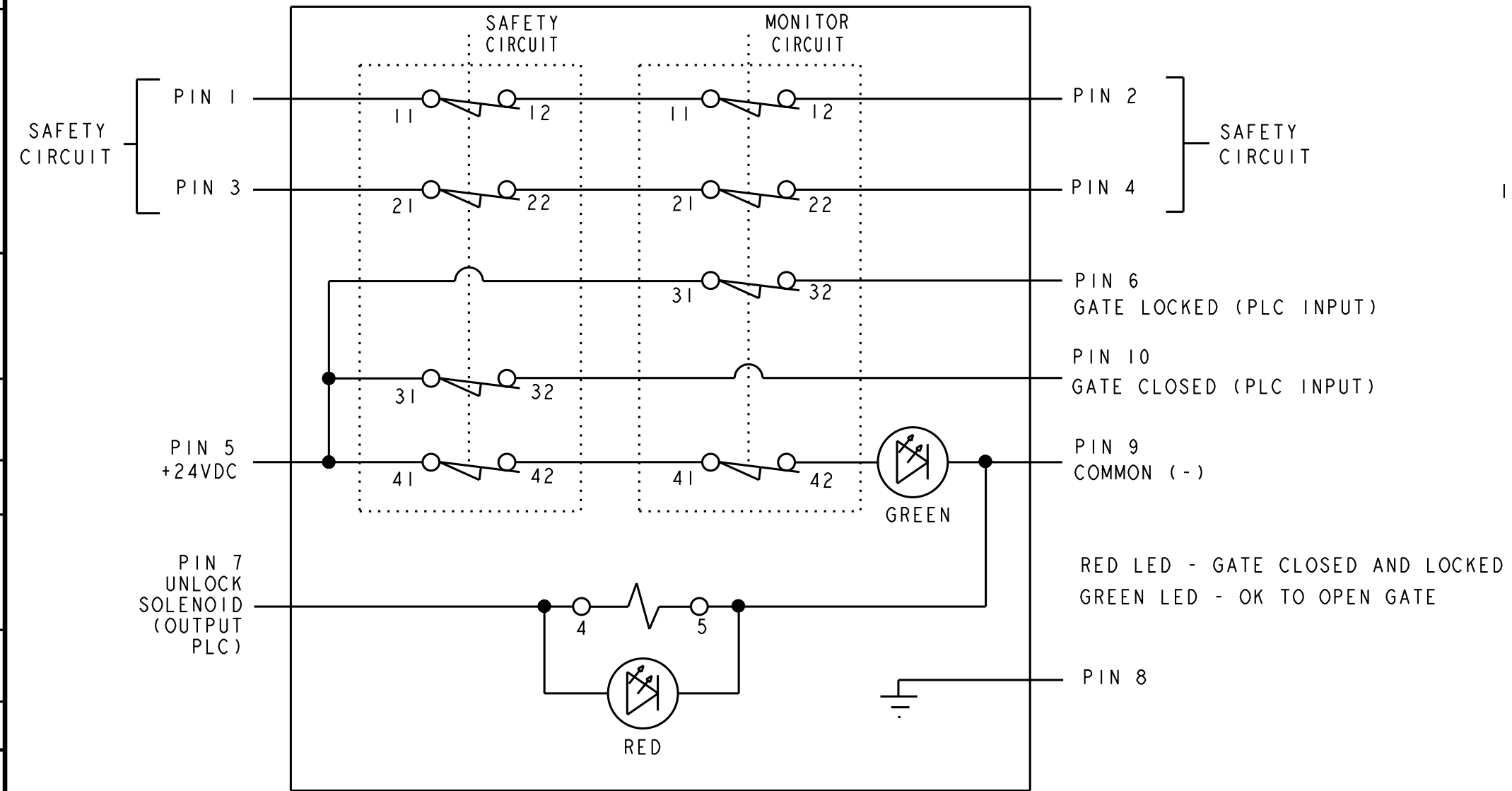
	DIM	TOL	DIM	TOL
	IN	MM	IN	MM
NO PLACES		1/16	1/16	0.8/0.3
ONE PLACE	1/16	0.015/0.006	1/16	0.38/0.15
TWO PLACES	1/32	0.0075/0.003	1/32	0.19/0.075
THREE PLACES	1/64	0.00375/0.0015	1/64	0.095/0.0375



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



MODIFICATION CODE: F05



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

