

DUAL ENTRY SOLENOID KEY OPERATED SAFETY INTERLOCK NOMENCLATURE

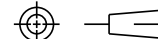
GK

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								

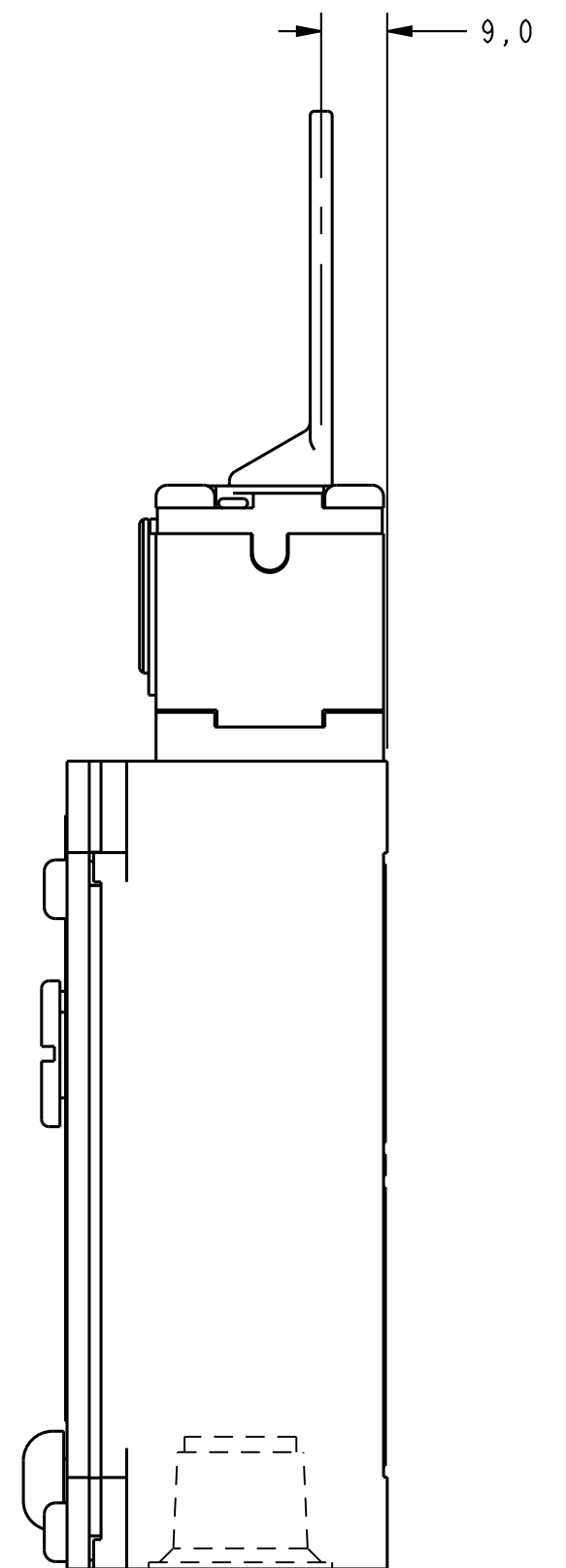
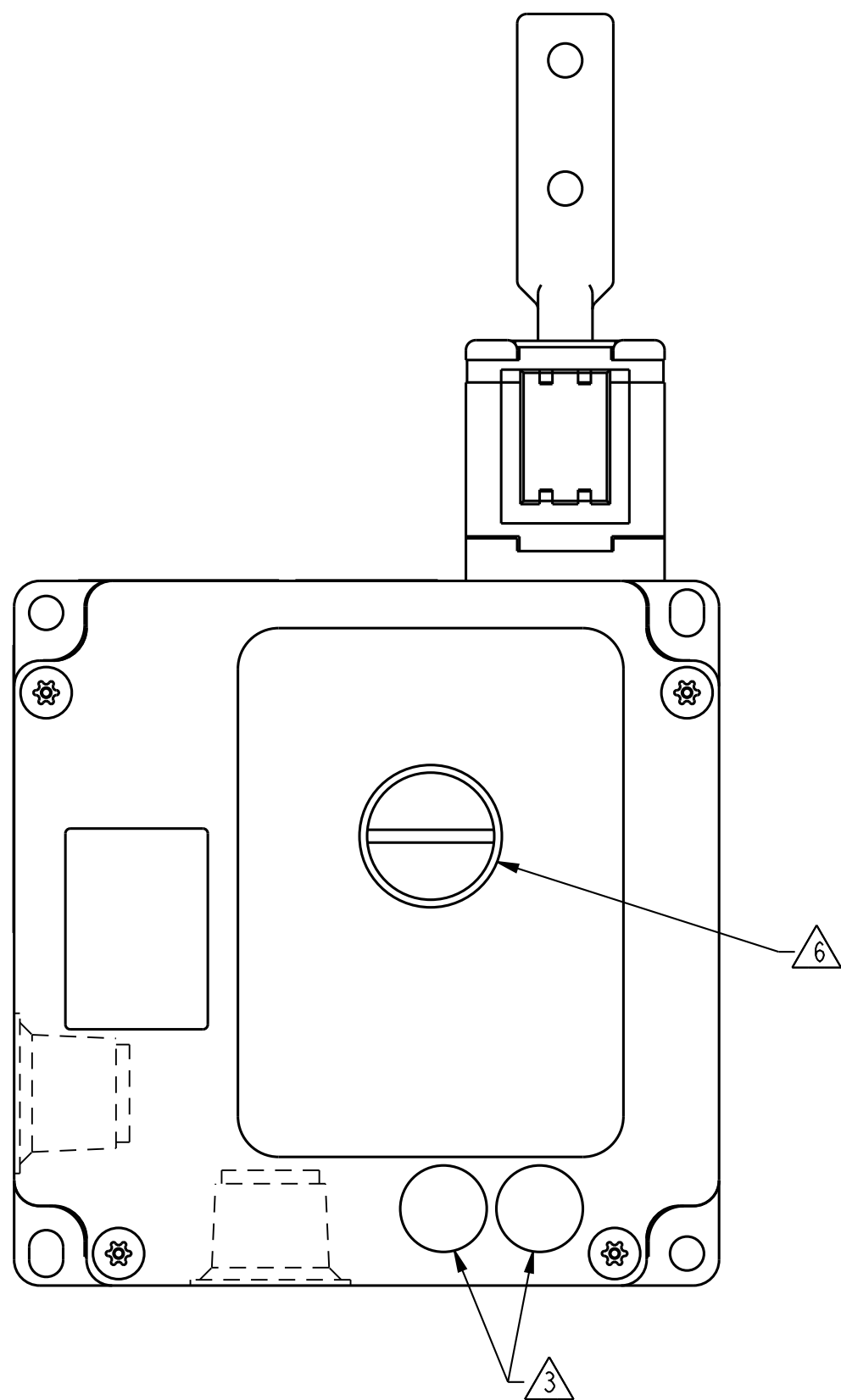
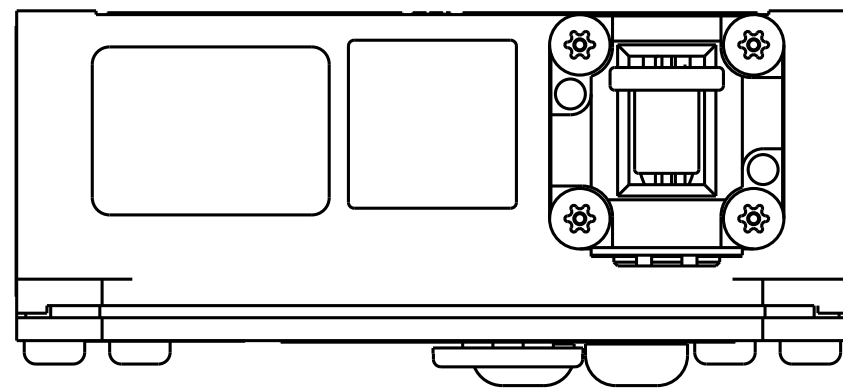
NOTES

- 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
- 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.08631M21 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		
				-40°F TO 248°F		
120	6	24	2.9	SHOCK: 50G PER IEC 68-2-27		
240	3	125	.55	VIBRATION: 10G PER IEC 68-2-6		
		250	.27			
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			
NO PLACES	DIM.	TOL.	TOL.
ONE PLACE	1.2	1 / 16.00	0.8 / 0.03
TWO PLACES	1.2	0.47 / 0.016	0.384 / 0.015
THREE PLACES	1.2X	0.151 / 0.006	0.151 / 0.005
ANGLES			
SI METRIC		US CUSTOMARY	
☒		☐	
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

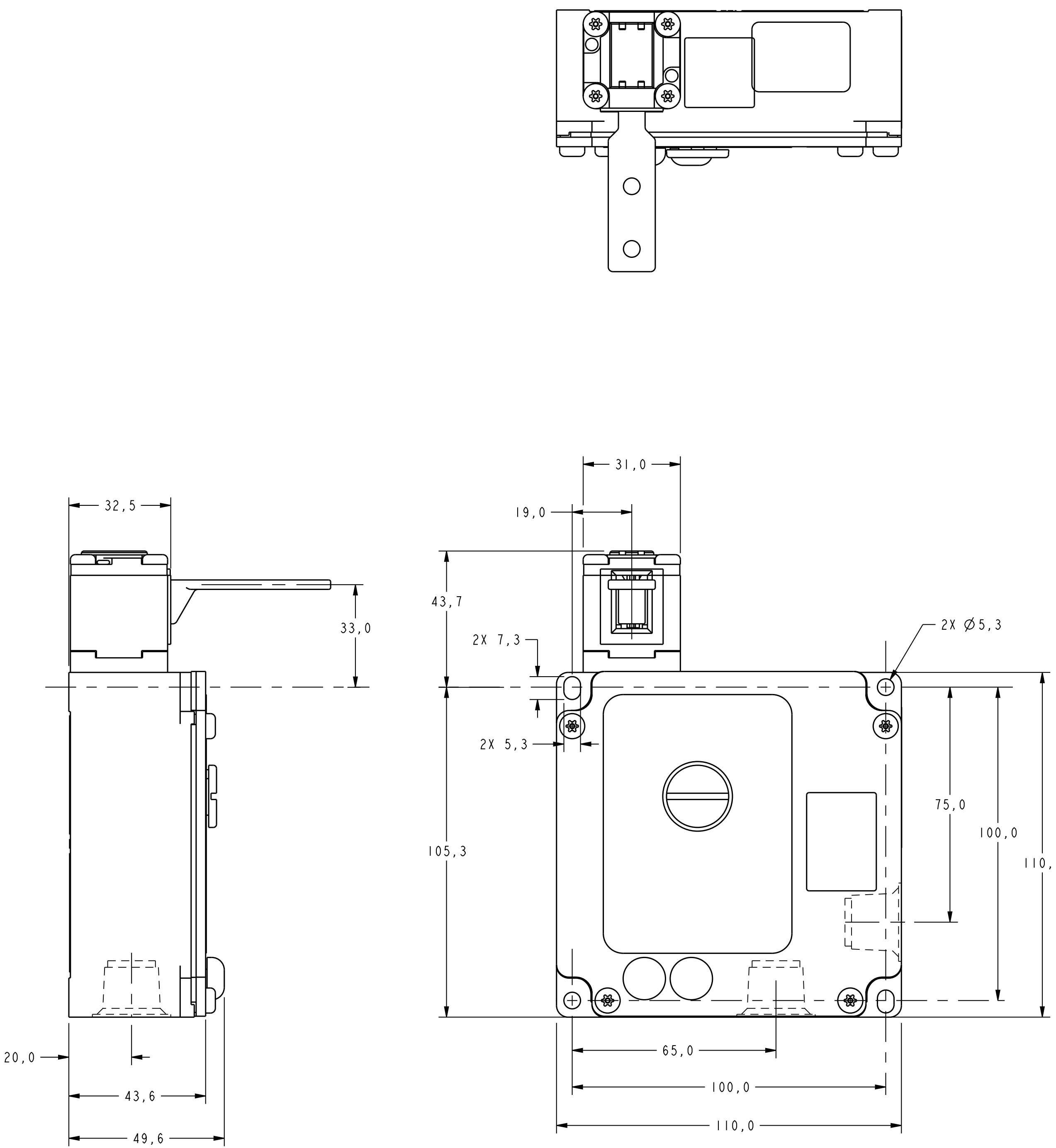
FRONT KEY ENTRY

BODY / INDICATOR CODES R OR G

[illegible]

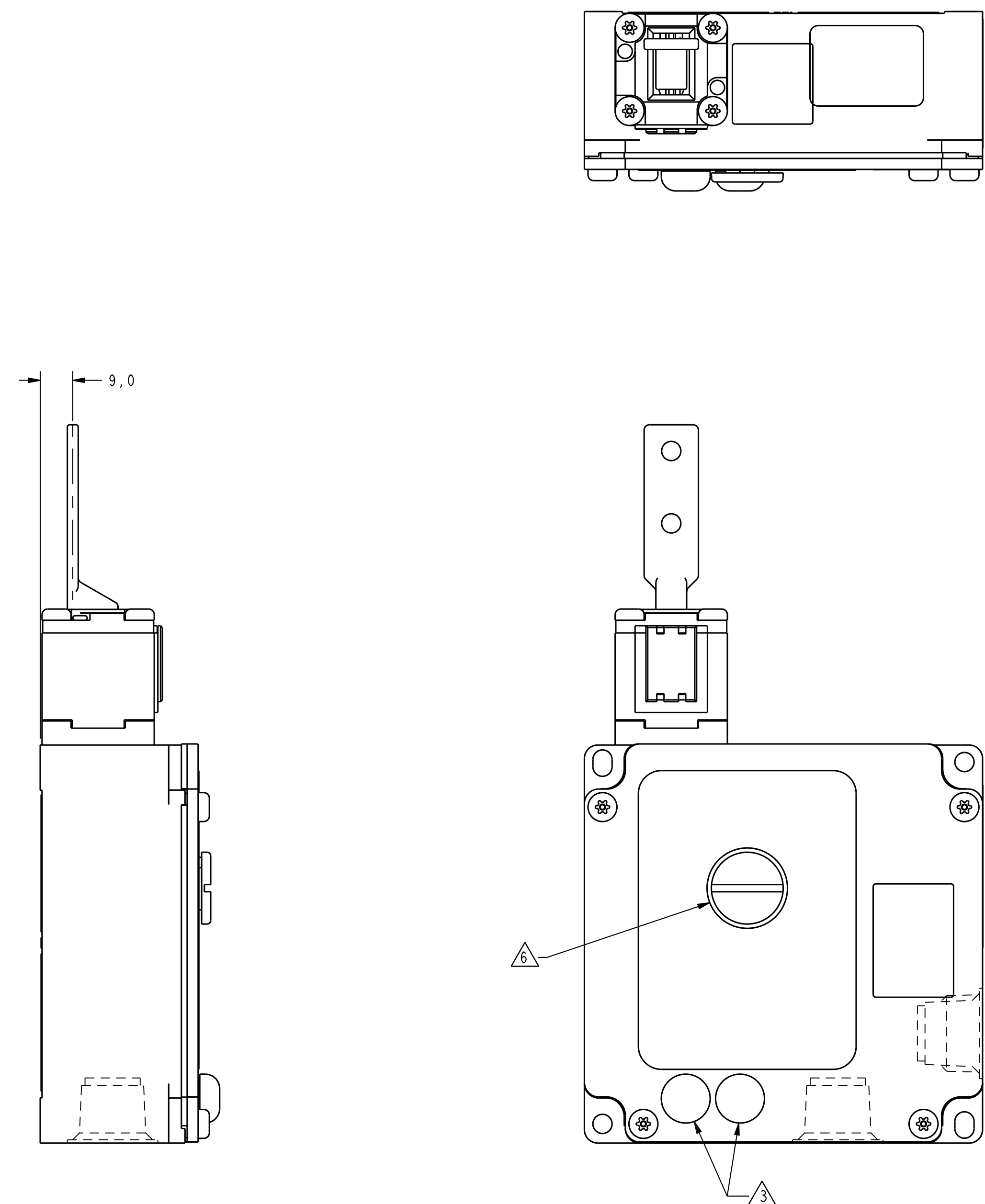
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 MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK	
		GK SERIES CHART 4	
		NO PLACES 1.1 1/4 ONE PLACE 2.1 0.47-0.16 TWO PLACES 3.1 0.15-0.08 THREE PLACES 4.1 ANGLES	
		SI METRIC ☒ US CUSTOMARY ☐ DESIGN UNITS	
		WEIGHT 1,5 kg / 3.3 LB	

PTC/CAD 3D	MA	23SEP08	check	CMH	11	MAY 99	check	PS
DRAWN	MA	23SEP08	check	CMH	11	MAY 99	check	PS
ISSUE	5253	DATE	04FEB09	CMH	10NOV11	RELEASE NO.	PR-23758	REPLACES
DRAWING NUMBER	5253	PAGE	3	OF	16			
REVISIONS								
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3	P	0605737						
4	R	0803576						
5	M	10NOV11						



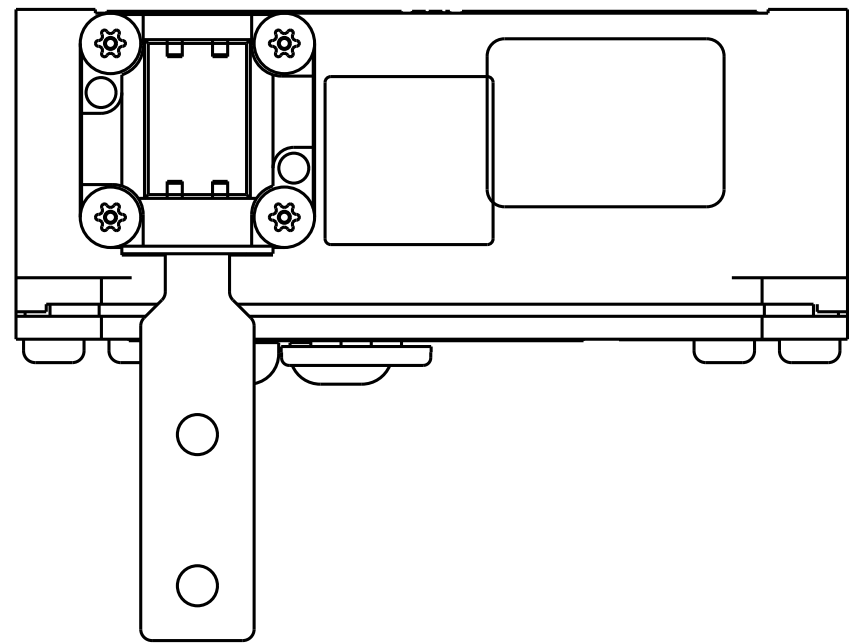
FRONT KEY ENTRY

BODY / INDICATOR CODES L OR F

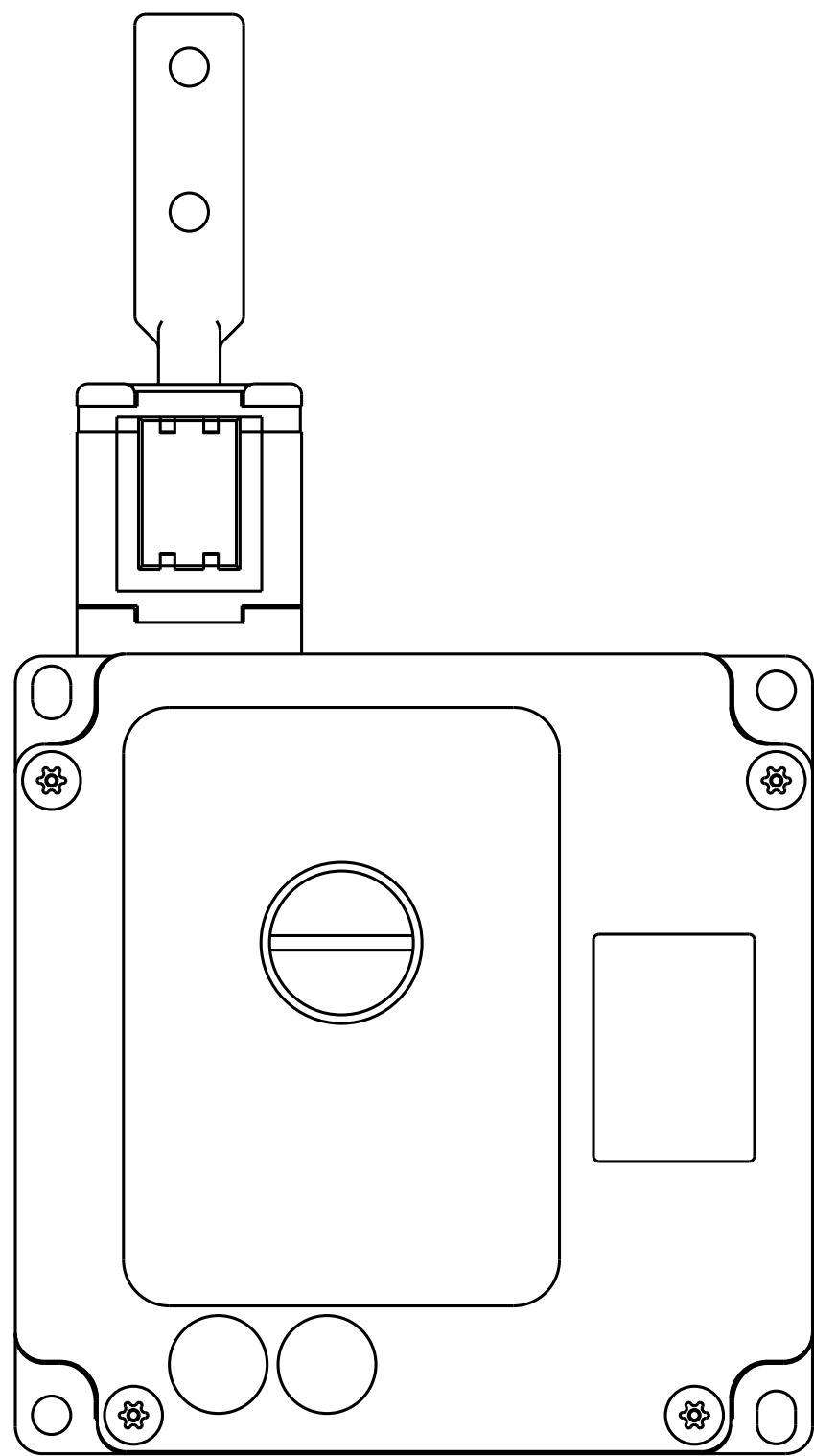


TOP KEY ENTRY

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FED. MFG. CODE 91929		GK SERIES CHART 4	
MICRO SWITCH a Honeywell Division		SWITCH - DOOR INTERLOCK	
DESIGN UNITS		WEIGHT	
SI METRIC ☒		1,5 kg / 3,3 LB	
US CUSTOMARY ☐			
NO PLACES		TOL.	
ONE PLACE		± 0,25	
TWO PLACES		± 0,13	
THREE PLACES		± 0,08	
ANGLES		± 0,5	

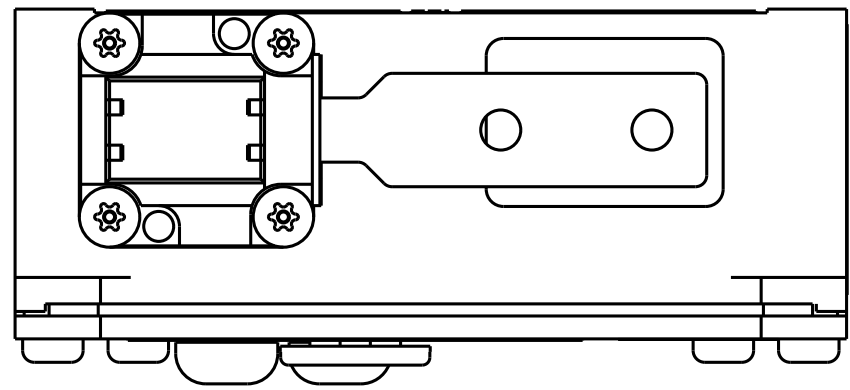
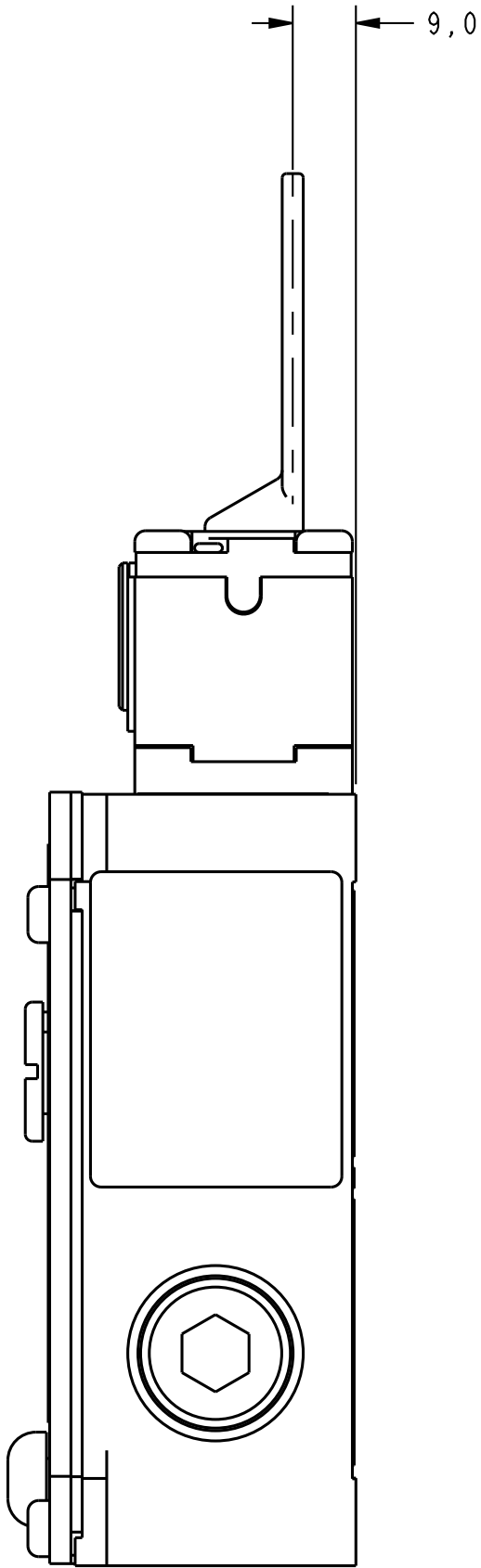


WITH KEY IN FRONT ENTRY POSITION

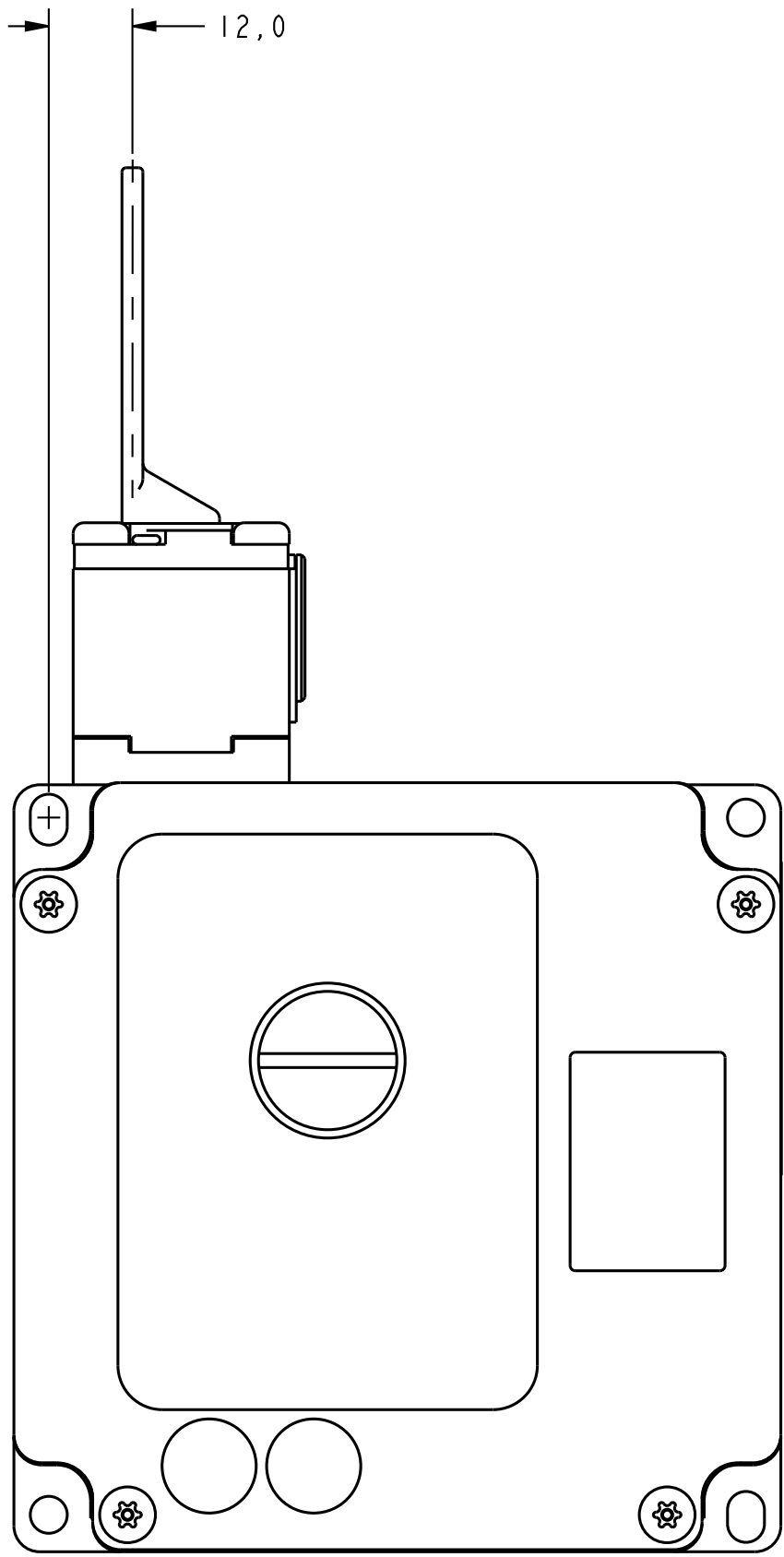


WITH KEY IN TOP ENTRY POSITION

HEAD CODE L

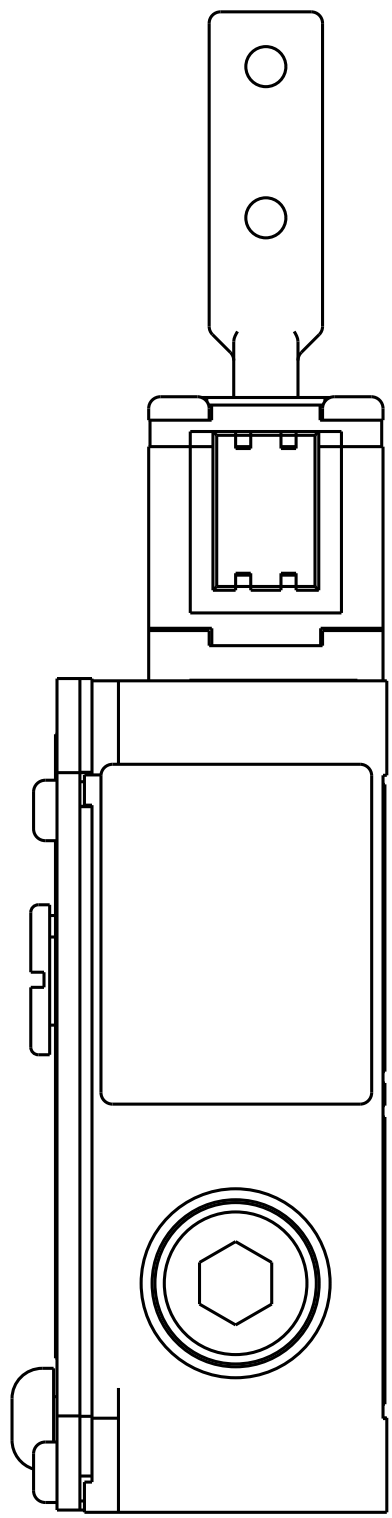


WITH KEY IN FRONT ENTRY POSITION



WITH KEY IN TOP ENTRY POSITION

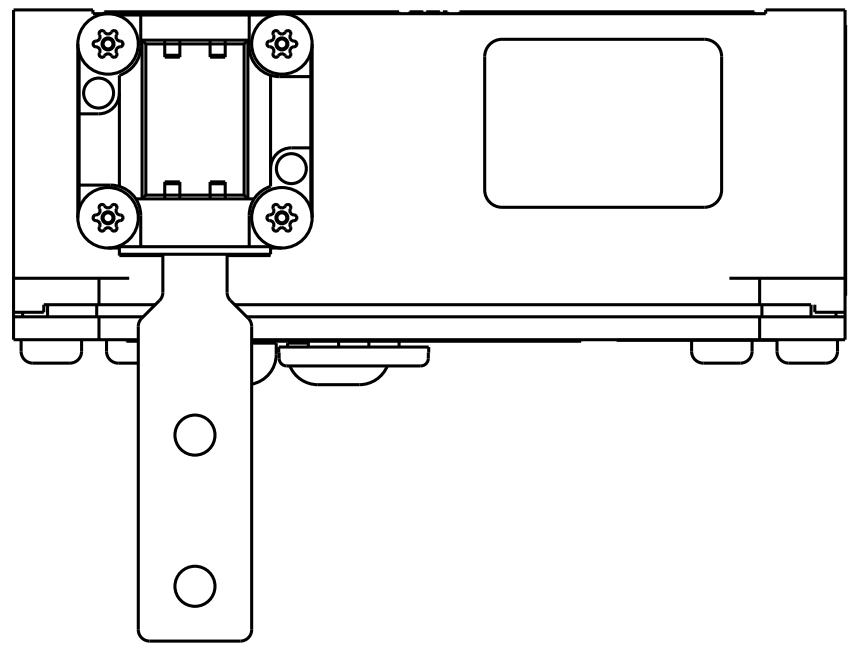
HEAD CODE M



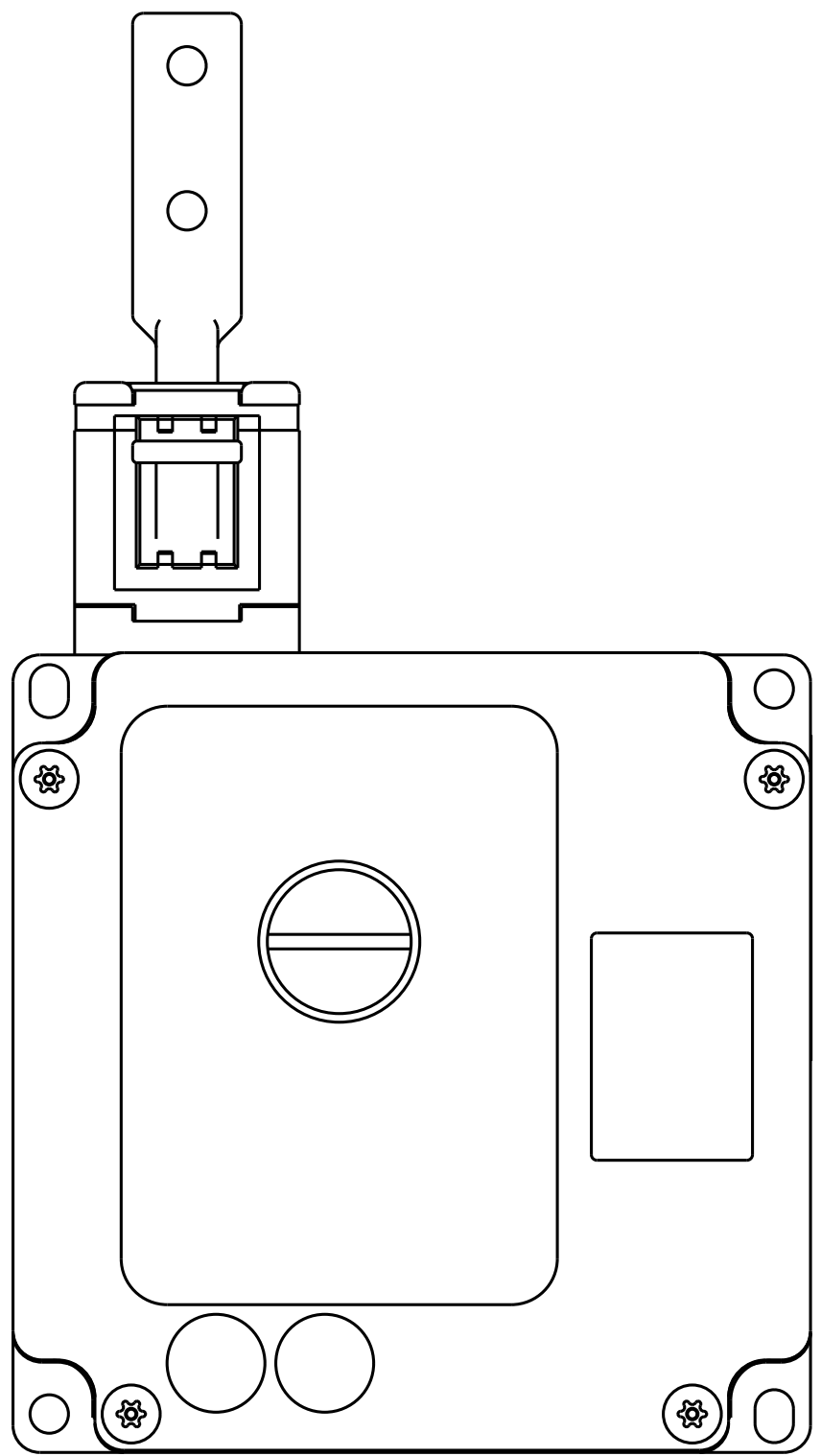
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R	0083578	MSR	10NOV11				
MAJ	28SEP08	check	CMH	12MAY09	check	PRS	04FEB09
check	CMH	10NOV11	check	CMH	12MAY09	check	PRS

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FED. MFG. CODE 91929				CATALOG LISTING				<table><tr><td>NO PLACES</td><td>IN</td><td>TO</td><td>IN</td><td>TO</td></tr><tr><td>ONE PLACE</td><td>X</td><td>17.54</td><td>1</td><td>8.84</td></tr><tr><td>TWO PLACES</td><td>X,Y</td><td>6.47/10.6</td><td>2</td><td>3.88/10.6</td></tr><tr><td>THREE PLACES</td><td>X,Z</td><td>0.15/10.6</td><td>3</td><td>1.57/10.6</td></tr><tr><td>ANGLES</td><td></td><td></td><td></td><td></td></tr></table>								NO PLACES	IN	TO	IN	TO	ONE PLACE	X	17.54	1	8.84	TWO PLACES	X,Y	6.47/10.6	2	3.88/10.6	THREE PLACES	X,Z	0.15/10.6	3	1.57/10.6	ANGLES				
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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			
ONE PLACE	2.0	0.01/0.04	0.01/0.05
TWO PLACES	0.01/0.04	0.01/0.05	0.01/0.05
THREE PLACES	0.01/0.05	0.01/0.05	0.01/0.05
ANGLES			
DESIGN UNITS ☒ SI METRIC ☐ US CUSTOMARY			
WEIGHT 1,5 kg / 3.3 LB			

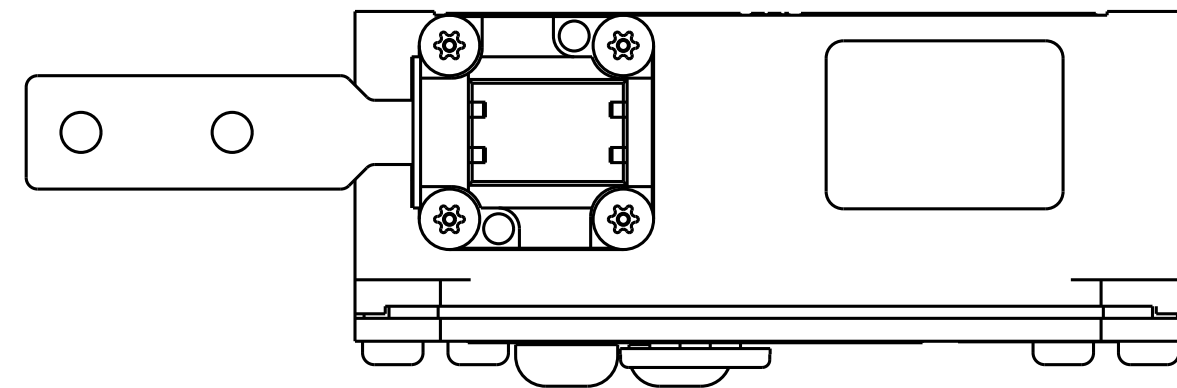


WITH KEY IN FRONT ENTRY POSITION

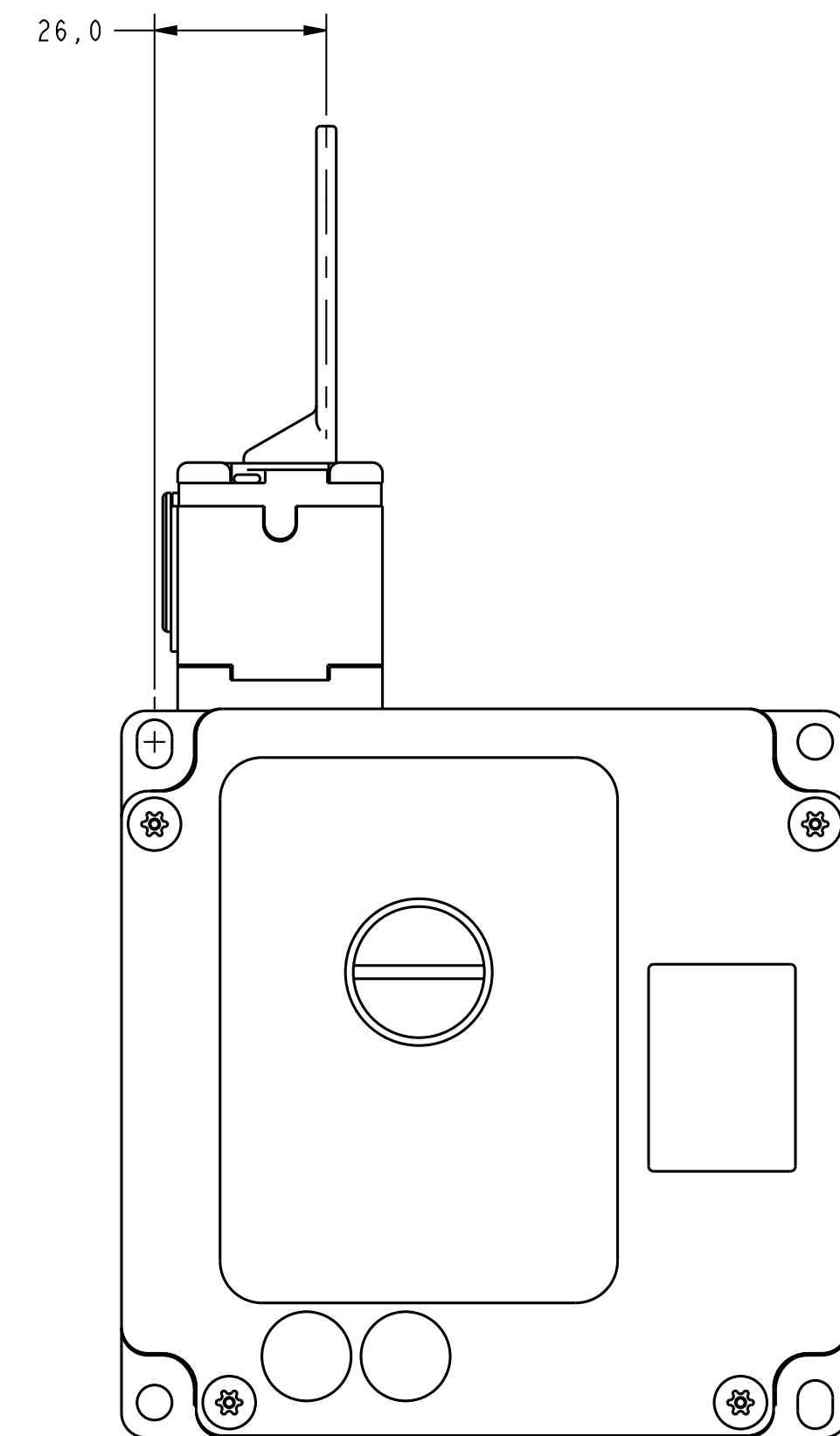


WITH KEY IN TOP ENTRY POSITION

HEAD CODE N



WITH KEY IN FRONT ENTRY POSITION



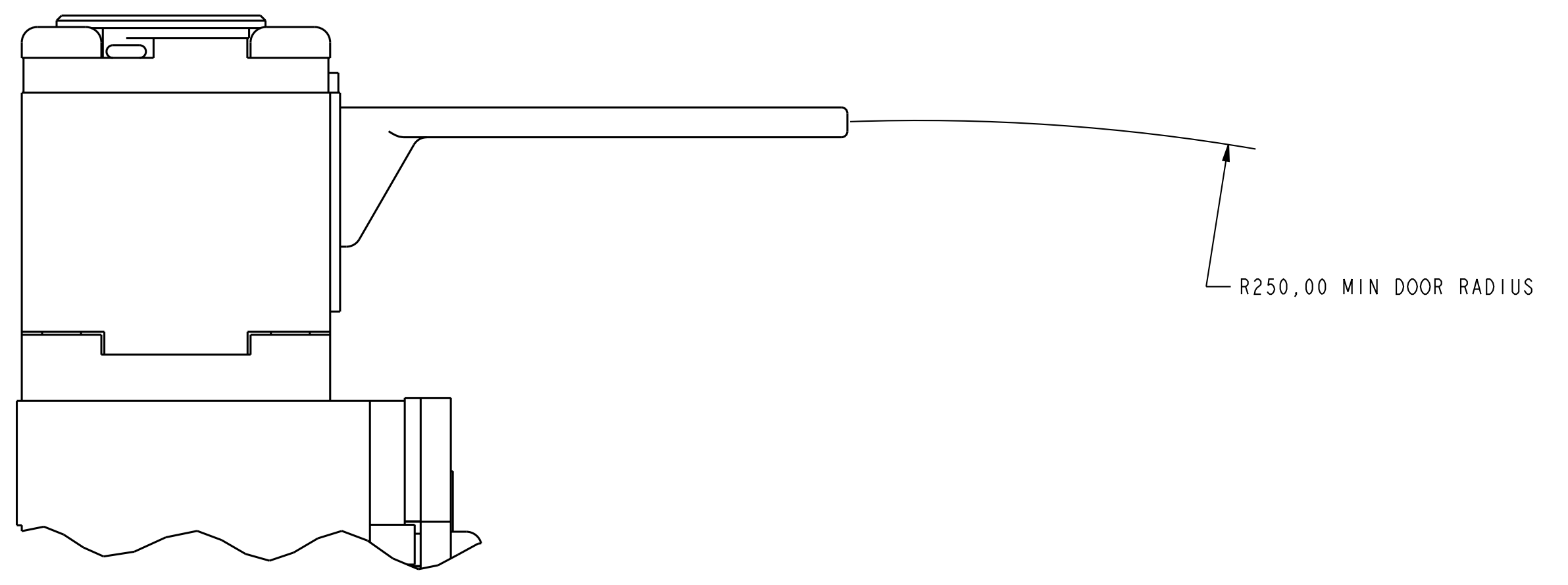
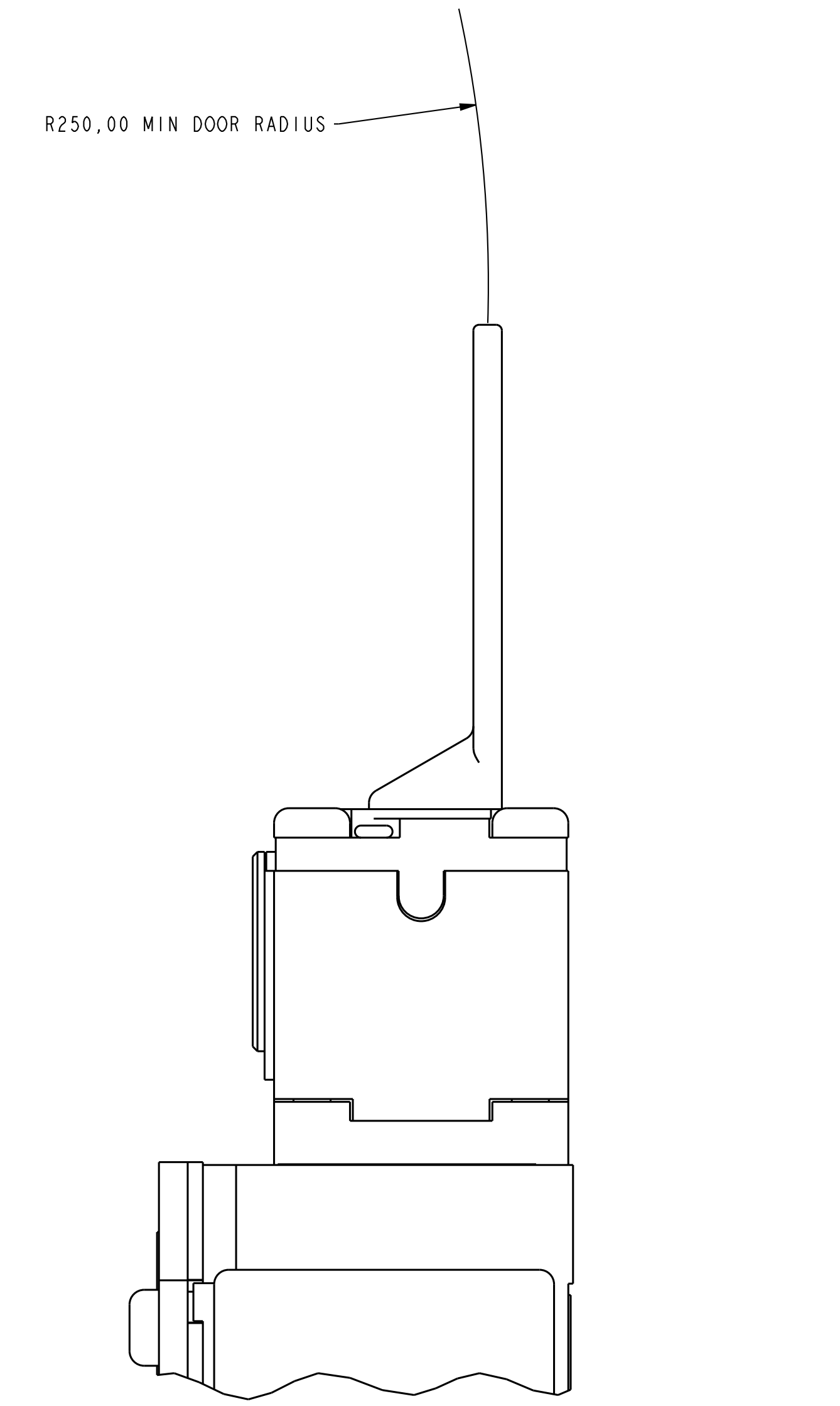
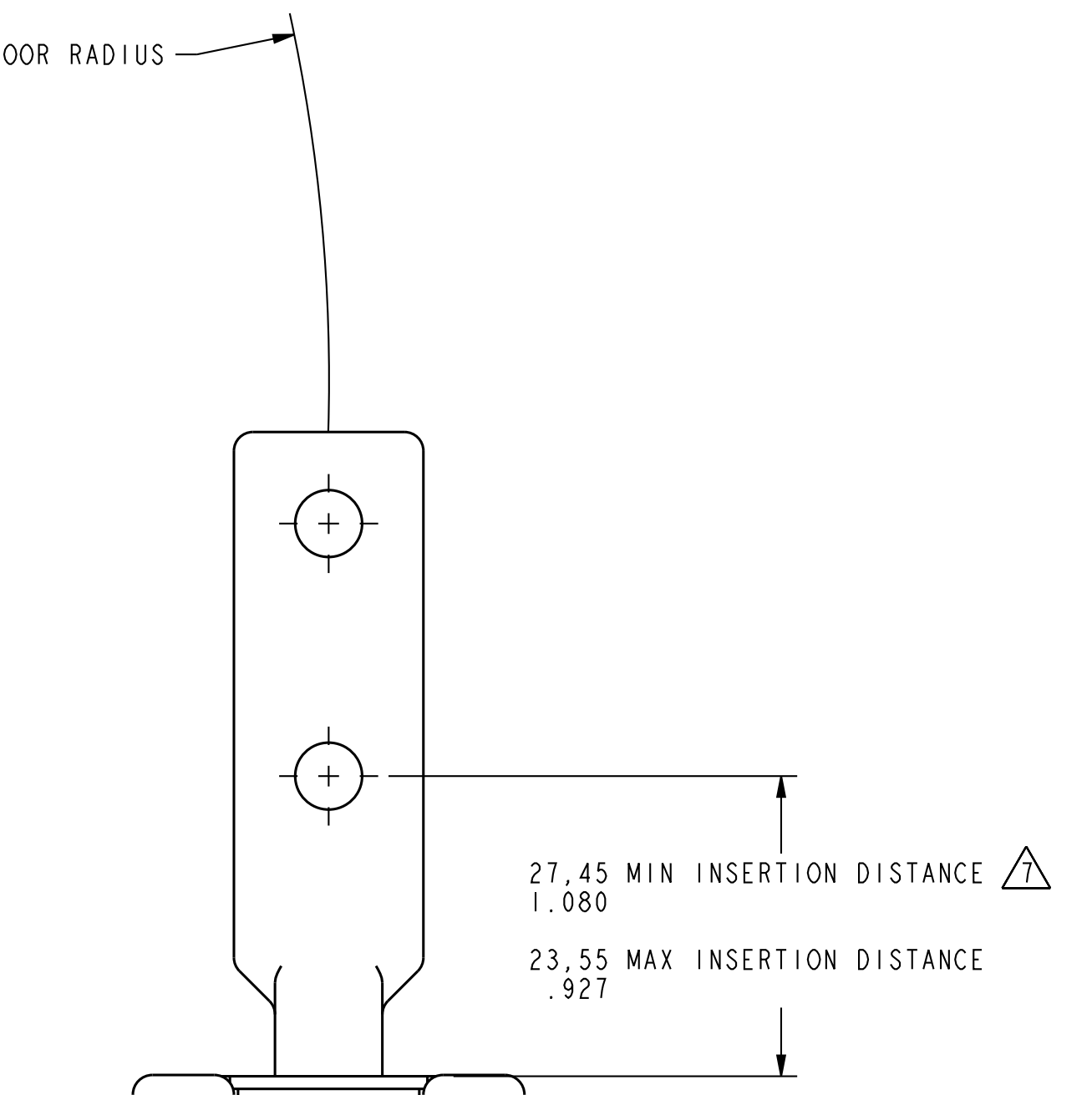
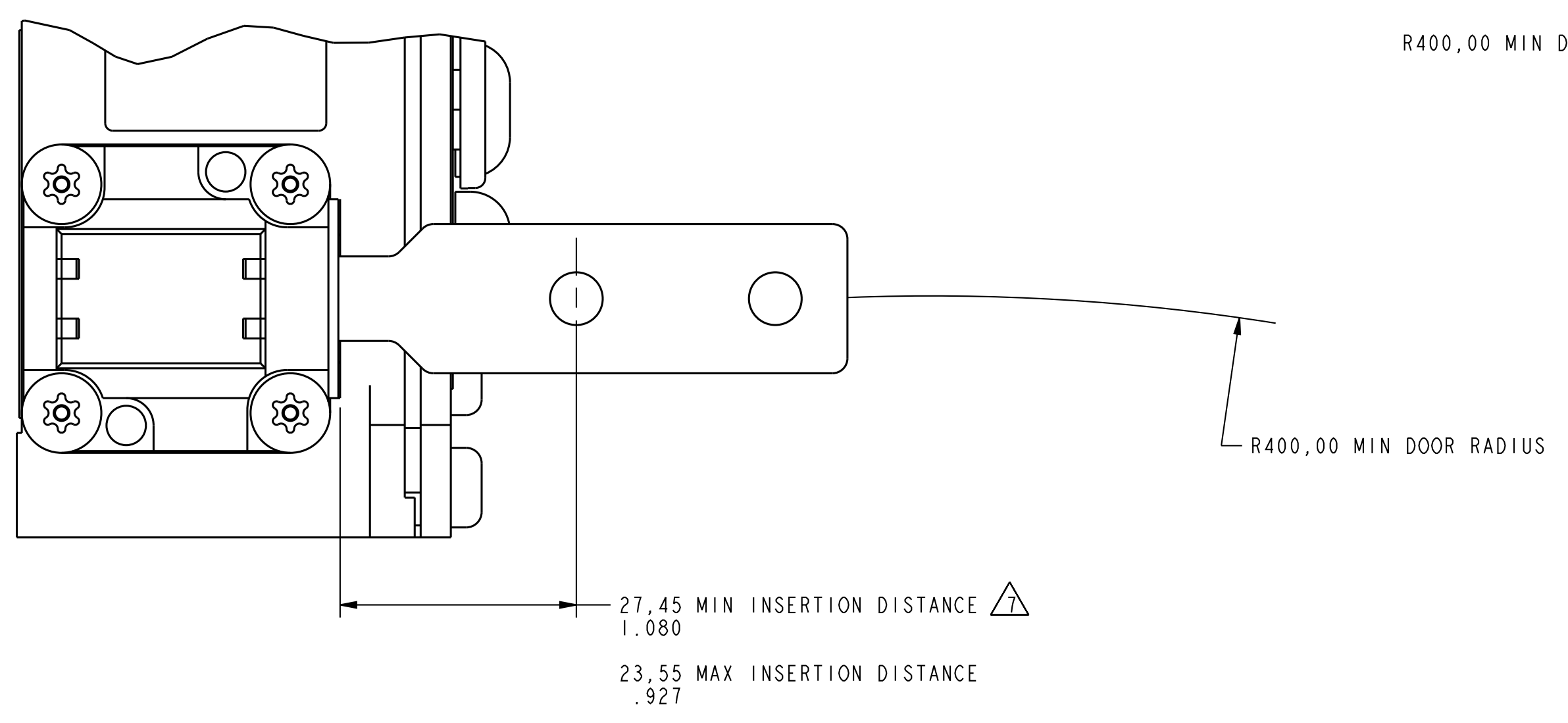
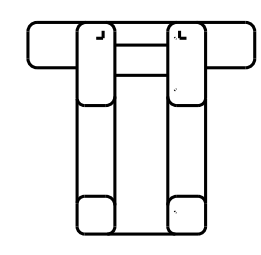
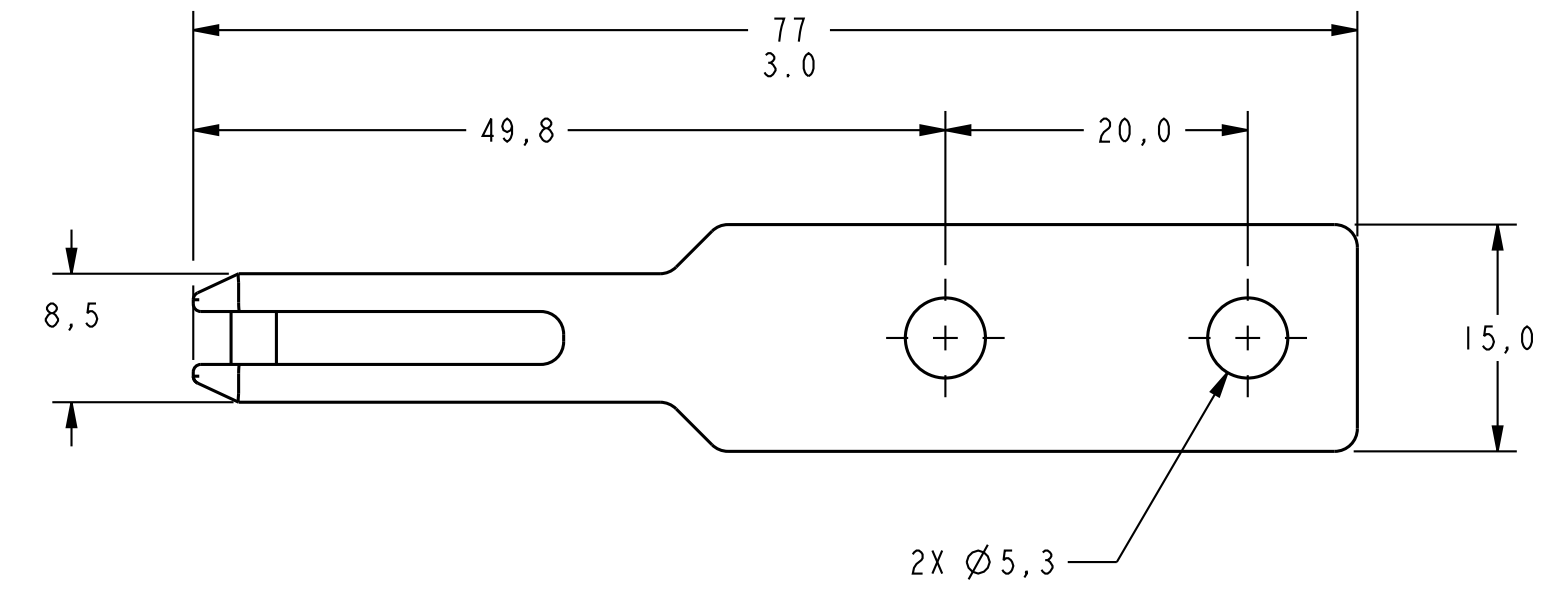
WITH KEY IN TOP ENTRY POSITION

HEAD CODE P

[illegible]

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FED. MFG. CODE 91929	CATALOG LISTING	<table><tr><td>NO PLACES</td><td>1.00</td><td>1.00</td><td>1.00</td></tr><tr><td>ONE PLACE</td><td>1.00</td><td>1.00</td><td>1.00</td></tr><tr><td>TWO PLACES</td><td>1.00</td><td>1.00</td><td>1.00</td></tr><tr><td>THREE PLACES</td><td>1.00</td><td>1.00</td><td>1.00</td></tr><tr><td>ANGLES</td><td>1.00</td><td>1.00</td><td>1.00</td></tr></table>		NO PLACES	1.00	1.00	1.00	ONE PLACE	1.00	1.00	1.00	TWO PLACES	1.00	1.00	1.00	THREE PLACES	1.00	1.00	1.00	ANGLES	1.00	1.00	1.00												
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TWO PLACES	1.00	1.00	1.00																																
THREE PLACES	1.00	1.00	1.00																																
ANGLES	1.00	1.00	1.00																																
MICRO SWITCH a Honeywell Division	SWITCH - DOOR INTERLOCK	GK SERIES CHART 4																																	
		<table><tr><td>DESIGN UNITS</td><td>☒ SI METRIC ☐ US CUSTOMARY</td></tr><tr><td>WEIGHT</td><td>1 5 KG / 3 3 LB</td></tr></table>		DESIGN UNITS	☒ SI METRIC ☐ US CUSTOMARY	WEIGHT	1 5 KG / 3 3 LB																												
DESIGN UNITS	☒ SI METRIC ☐ US CUSTOMARY																																		
WEIGHT	1 5 KG / 3 3 LB																																		

KEY CODE 6

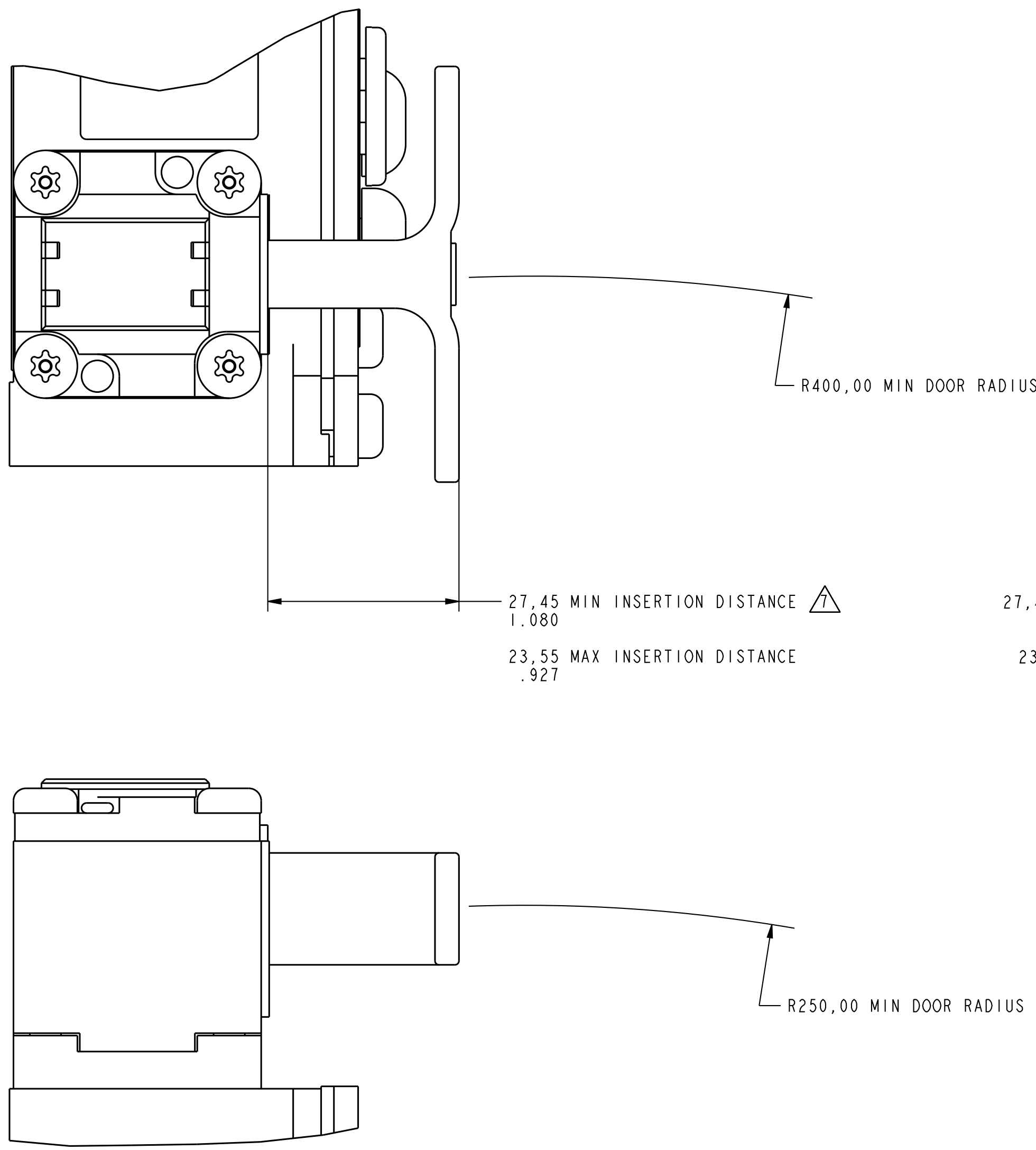


FRONT KEY ENTRY

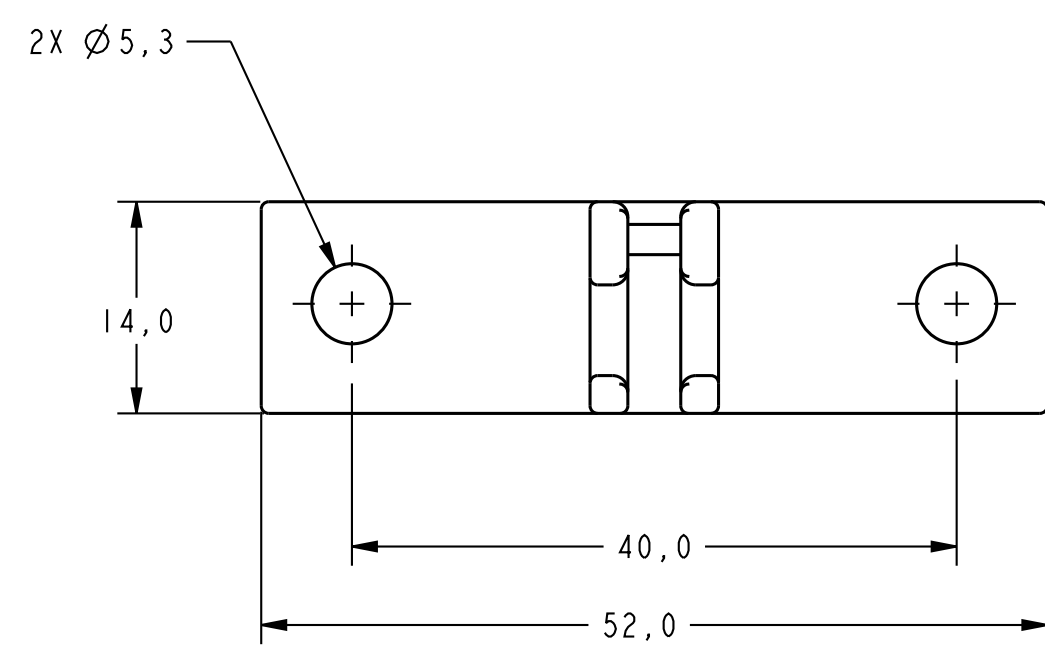
TOP KEY ENTRY

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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	

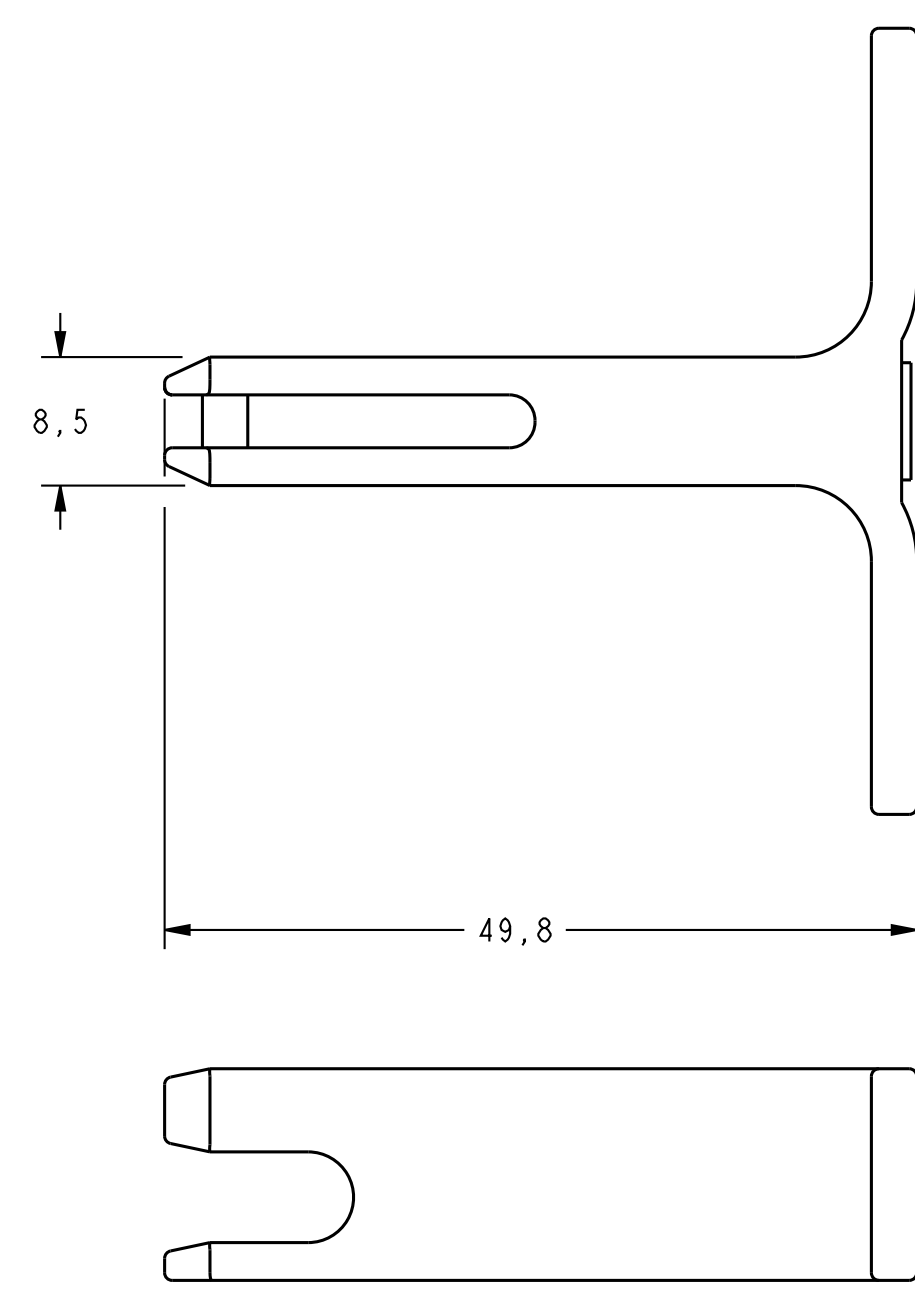
KEY CODE 7



FRONT KEY ENTRY



TOP KEY ENTRY



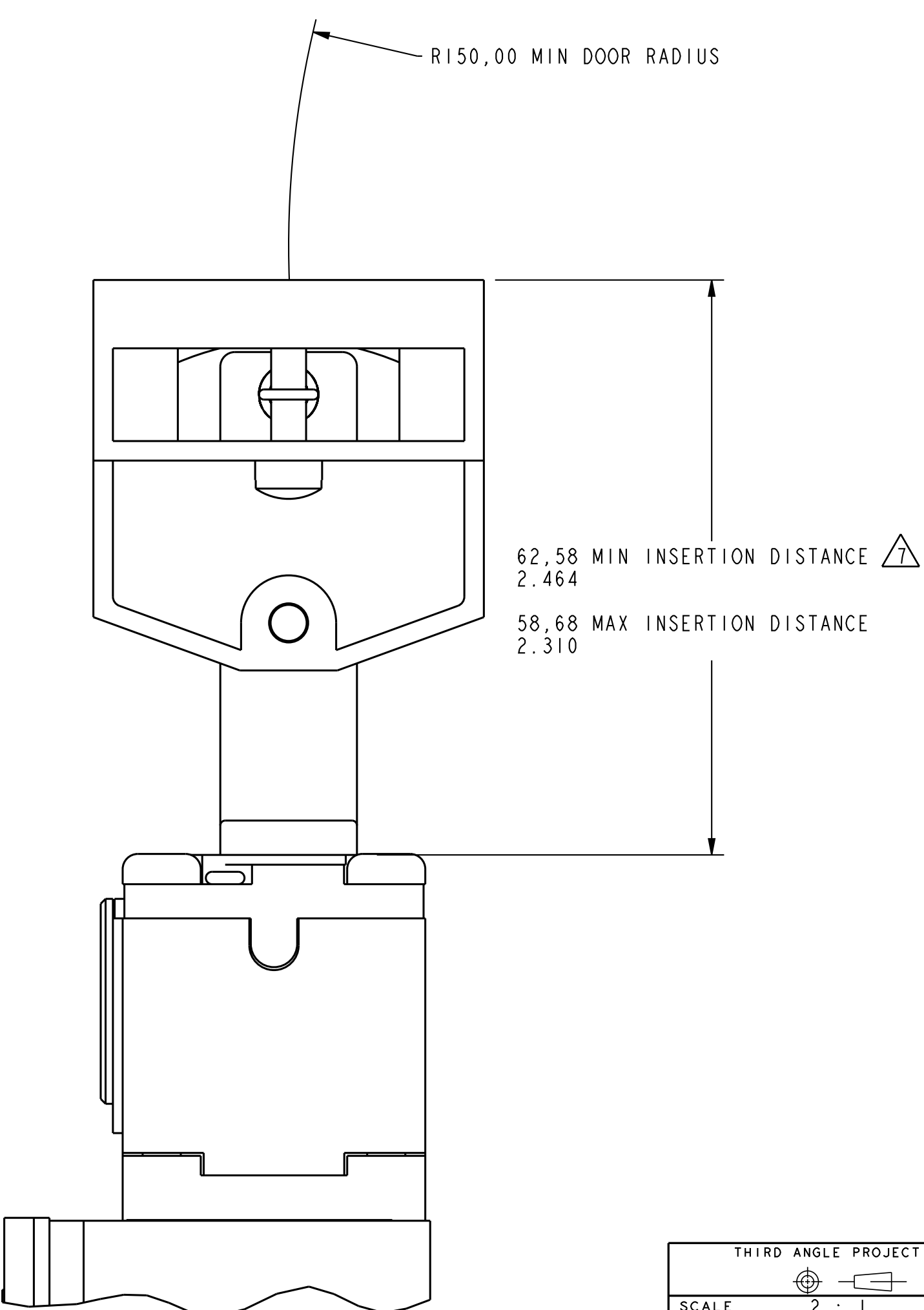
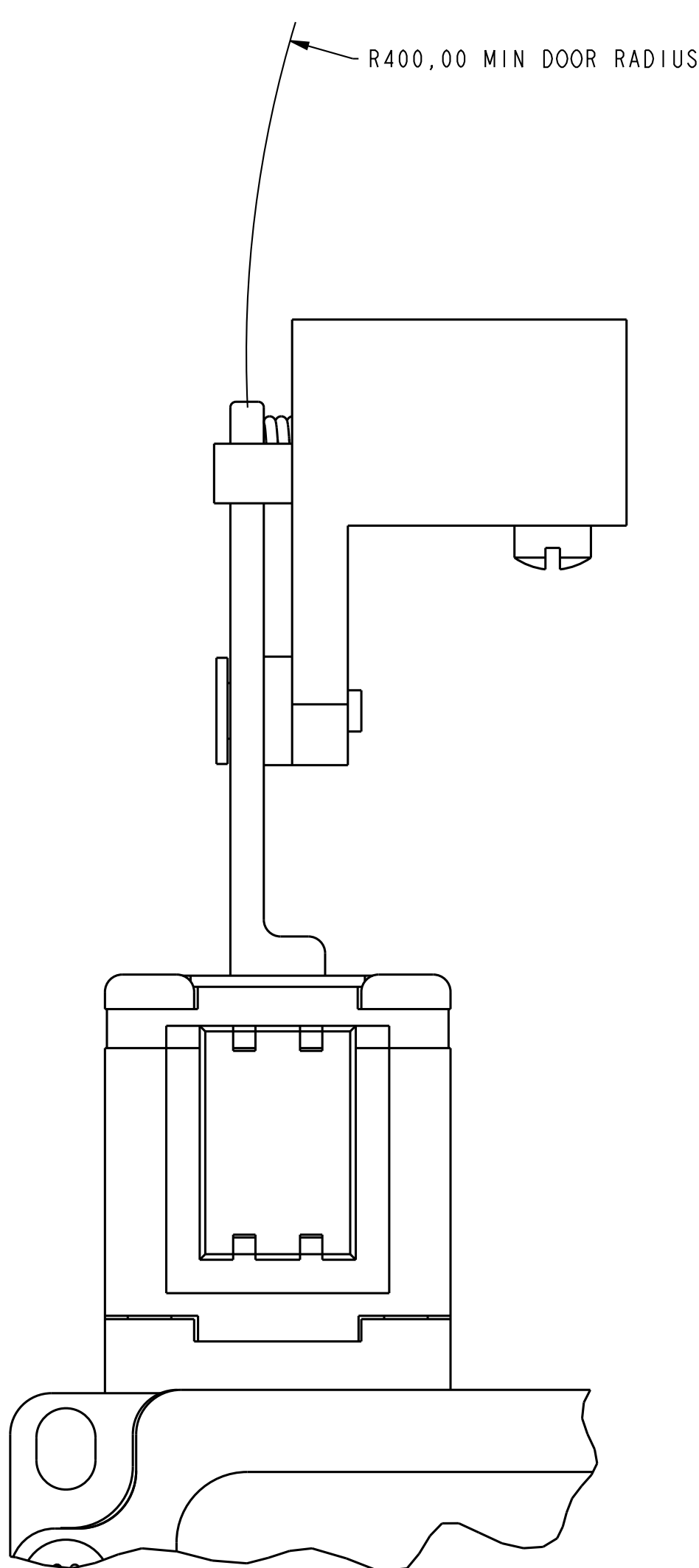
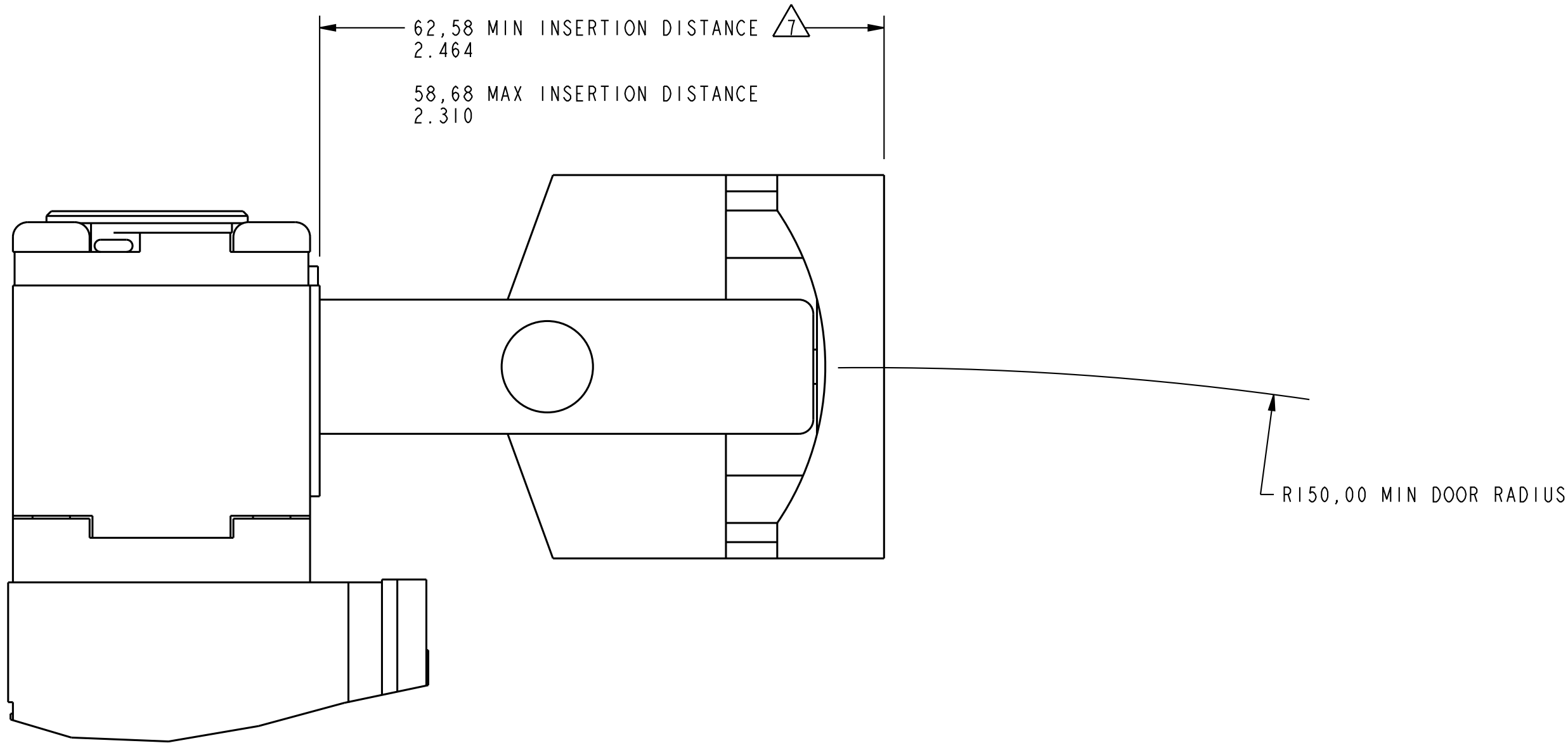
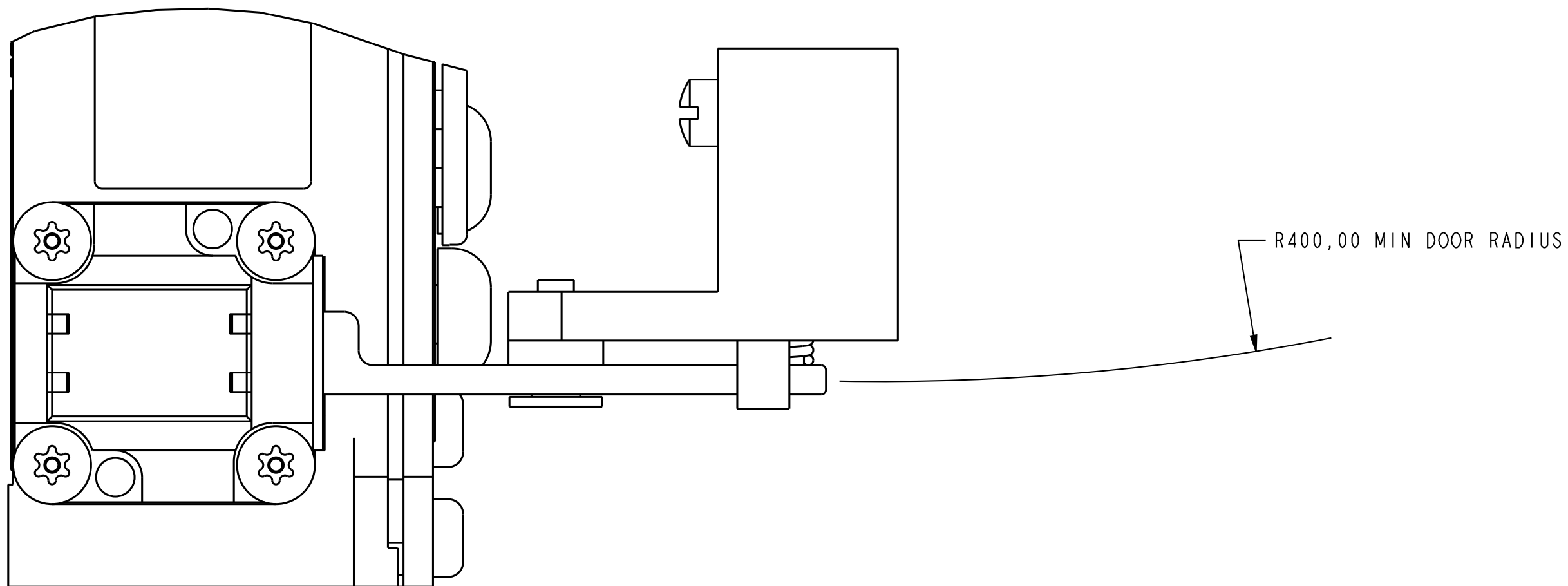
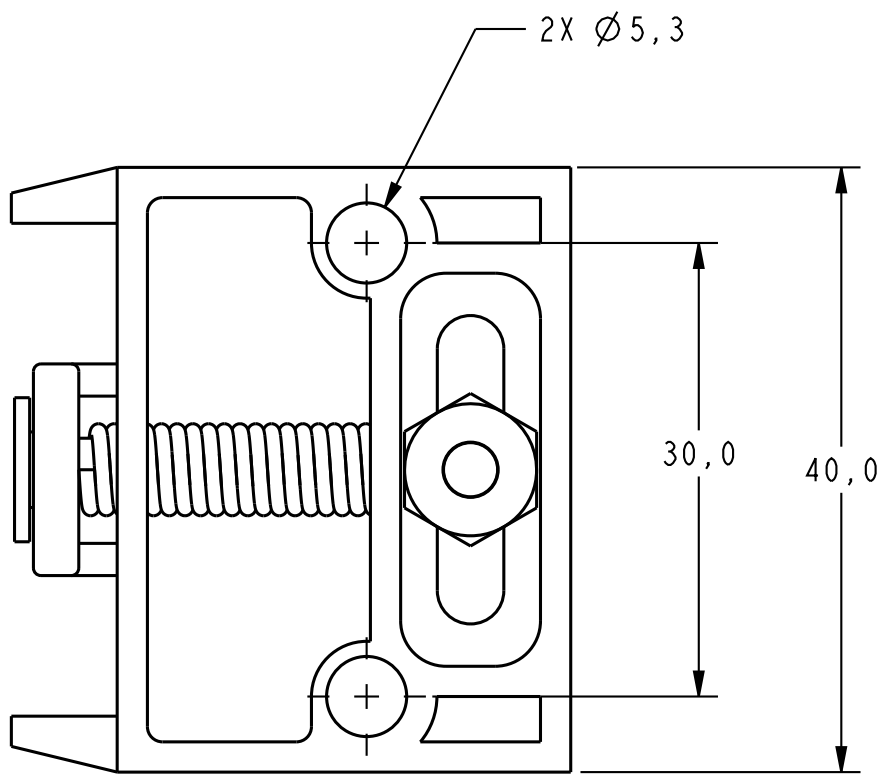
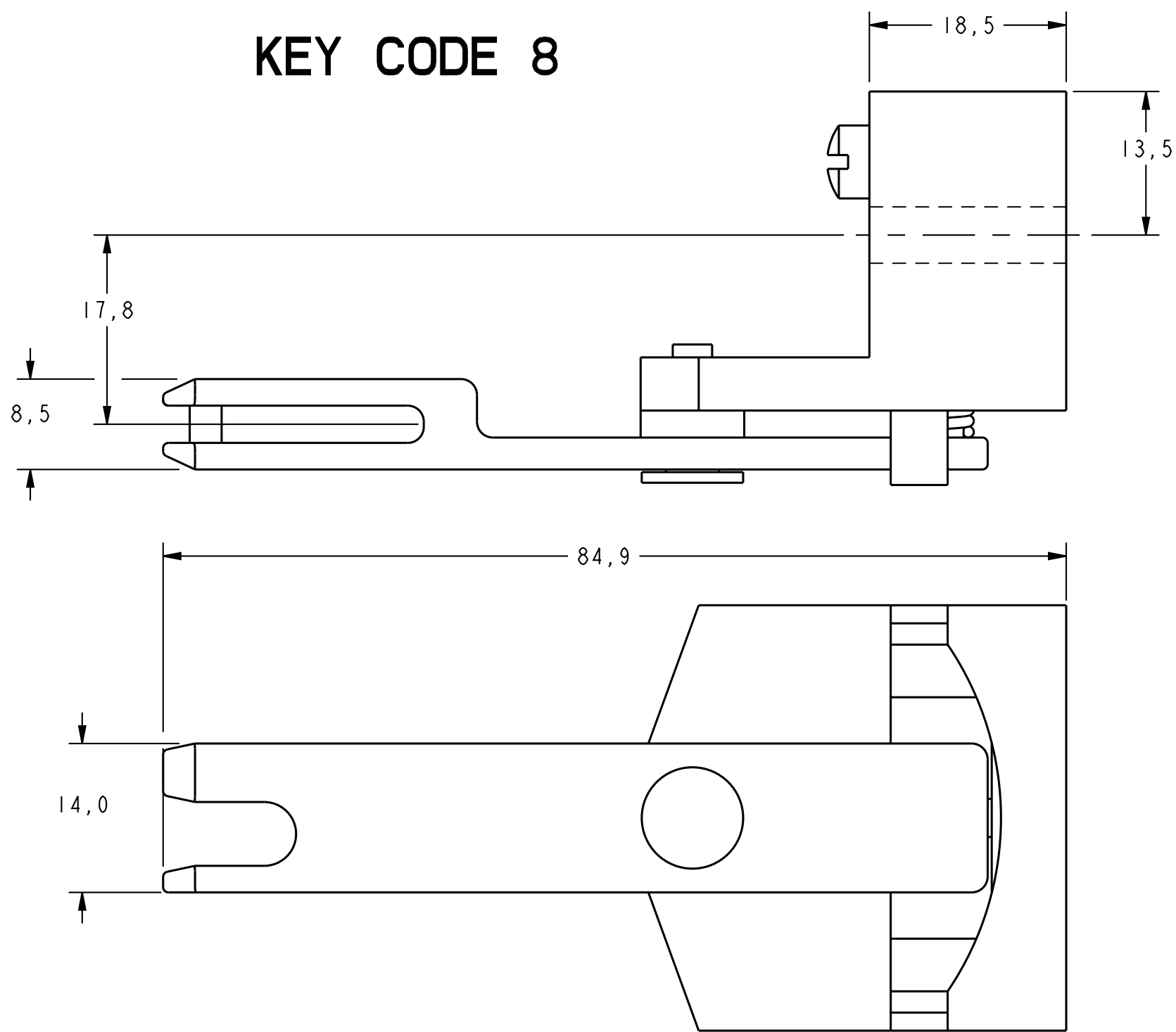
THIRD ANGLE PROJECTION			
SCALE 2 : 1			
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 1			
NO PLACES	2	1/16	2.2
ONE PLACE	1/16	0.0156	0.39
TWO PLACES	1/32	0.0031	0.08
THREE PLACES	1/64	0.0016	0.04
DESIGN UNITS	SI METRIC	US CUSTOMARY	
WEIGHT	1,5 KG / 3,3 LB		

PTC/CAD 3D	DATE	LOC 98	CHECK	CMH	12MAY98	CHECK	CMH	04FEB09	CHECK	CMH	10NOV11	RELEASE NO. PR-23758	PAGE 7 OF 16	ISSUE 5254	DRAWING NUMBER	5254	REPLACES	-
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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	

ANSI Y14.5M-1982 APPLIES

KEY CODE 8



TOP KEY ENTRY

FRONT KEY ENTRY

THIRD ANGLE PROJECTION

SCALE 2 : 1

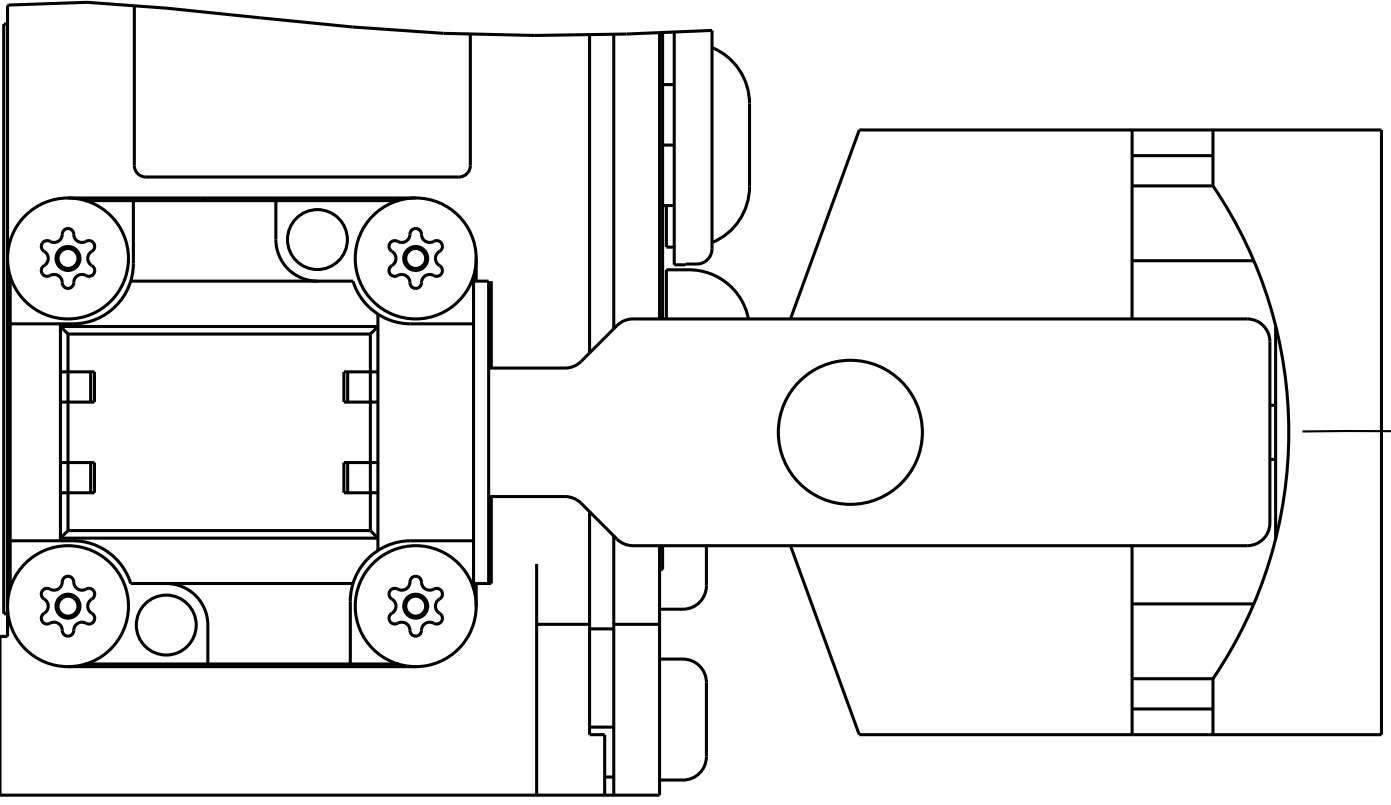
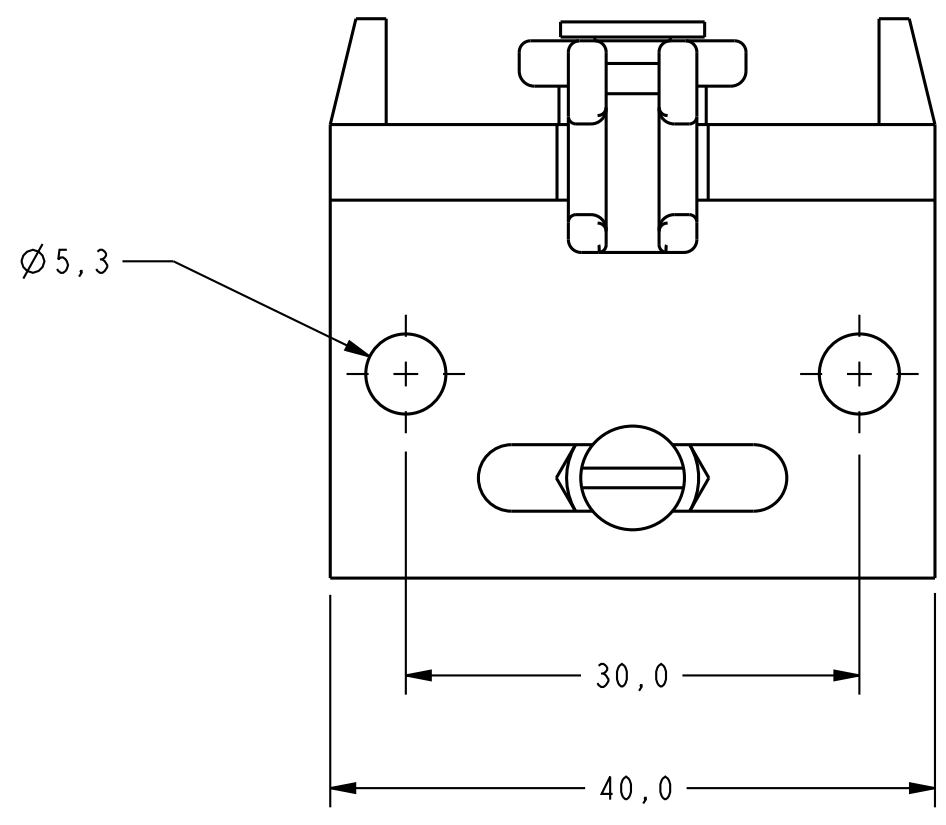
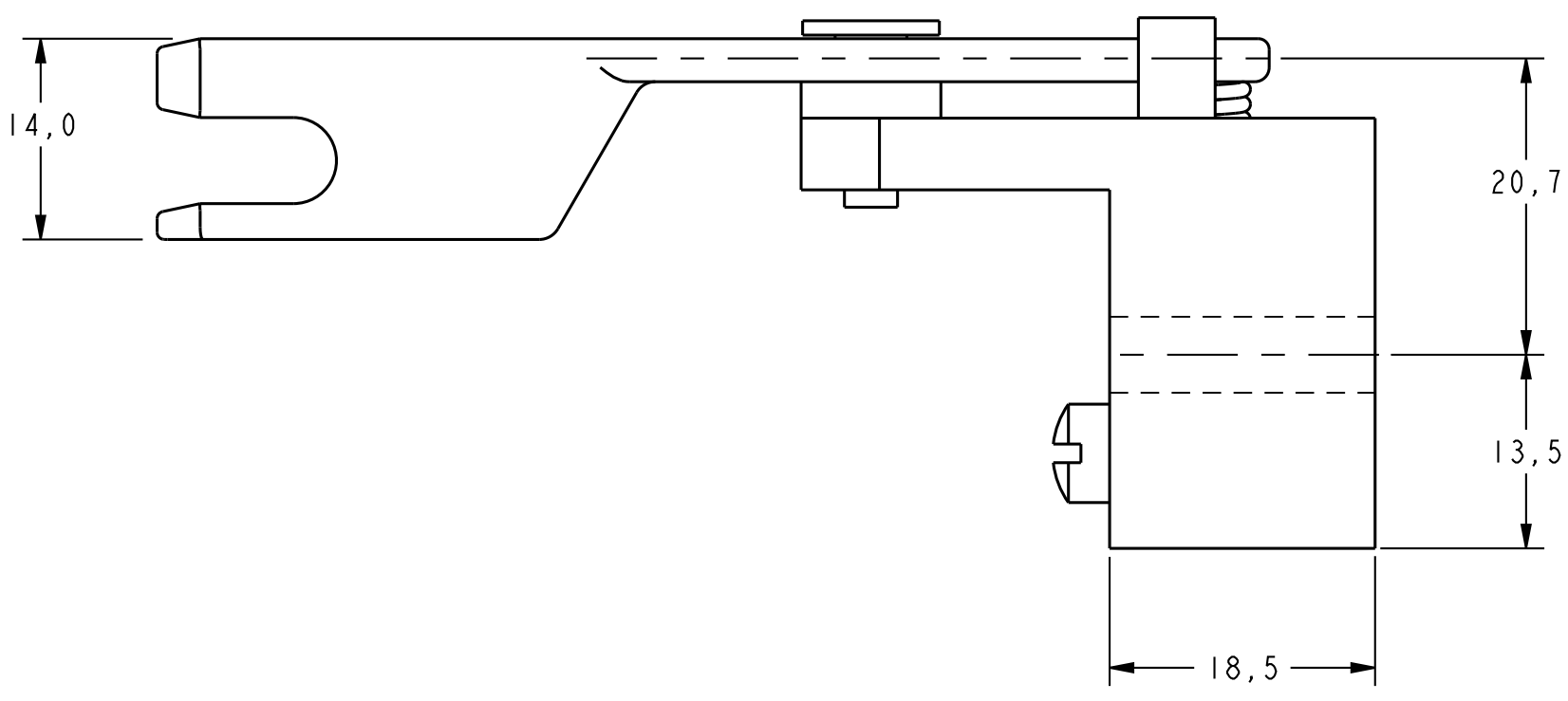
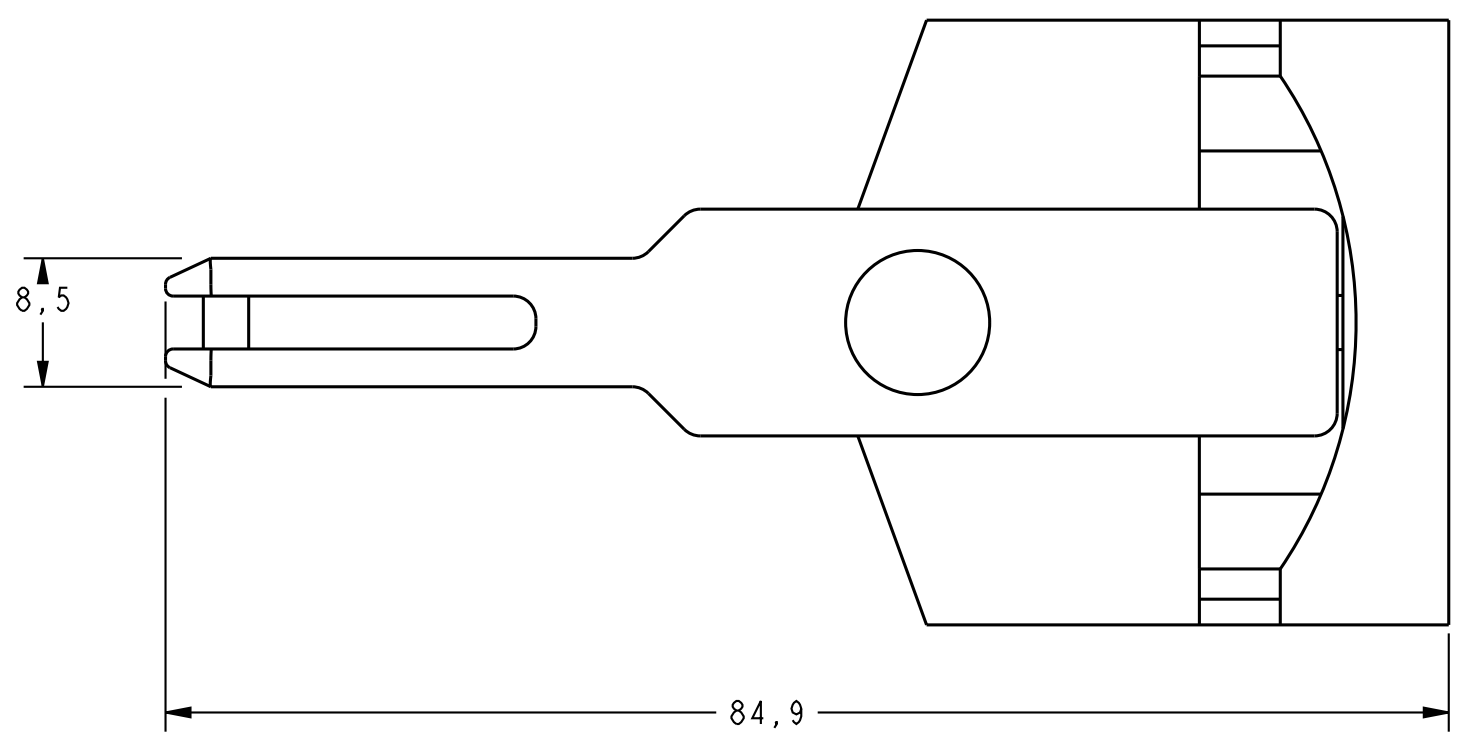
DO NOT SCALE PRINT

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

	MM	TOL.	IN.	TOL.
NO PLACES		1/16	1/16	0.0625
ONE PLACE	1,2	0.1	1/8	0.125
TWO PLACES	0,12	0.01	1/64	0.0156
THREE PLACES	0,012	0.001	1/1000	0.001

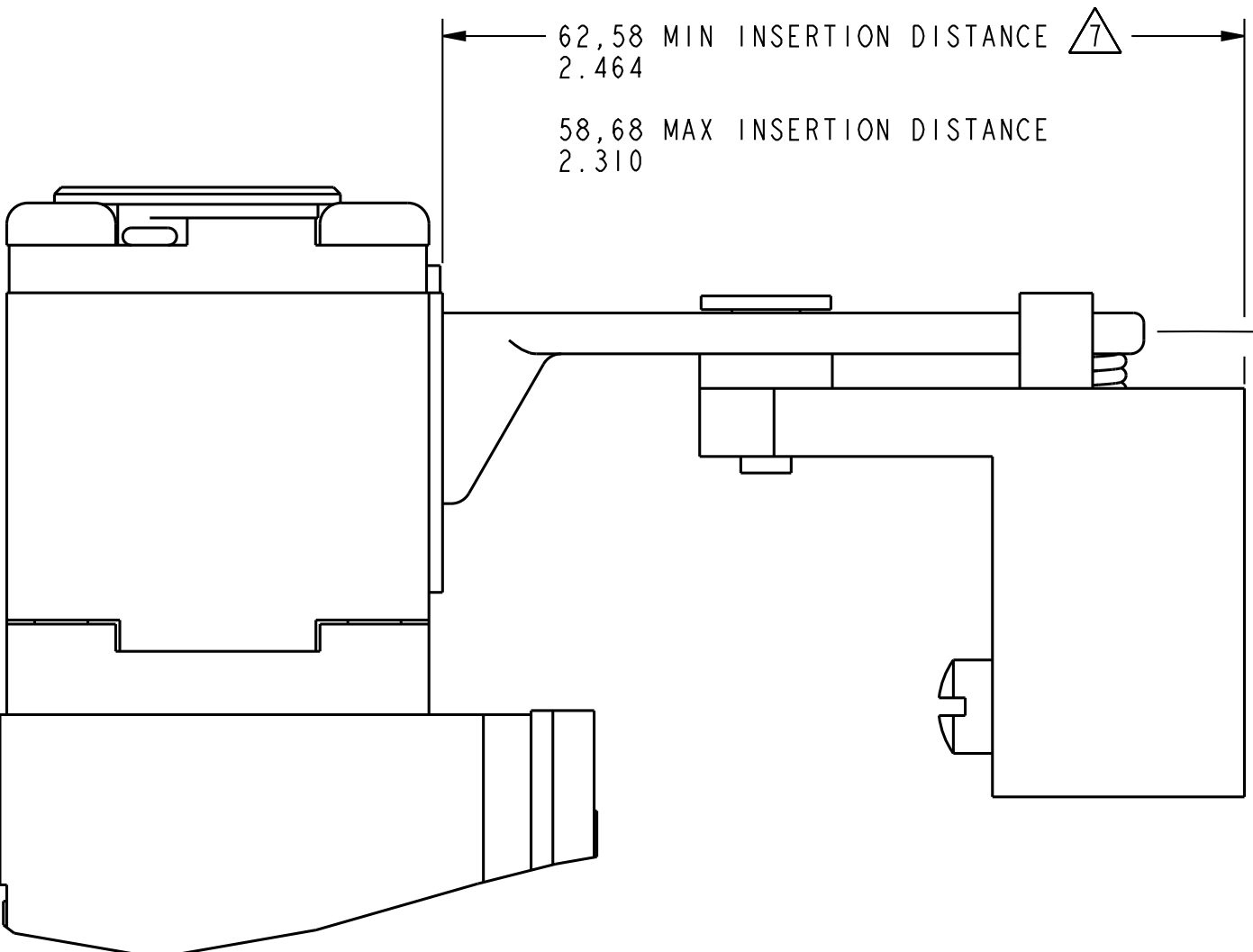
SI METRIC ☒ US CUSTOMARY ☐

KEY CODE 9



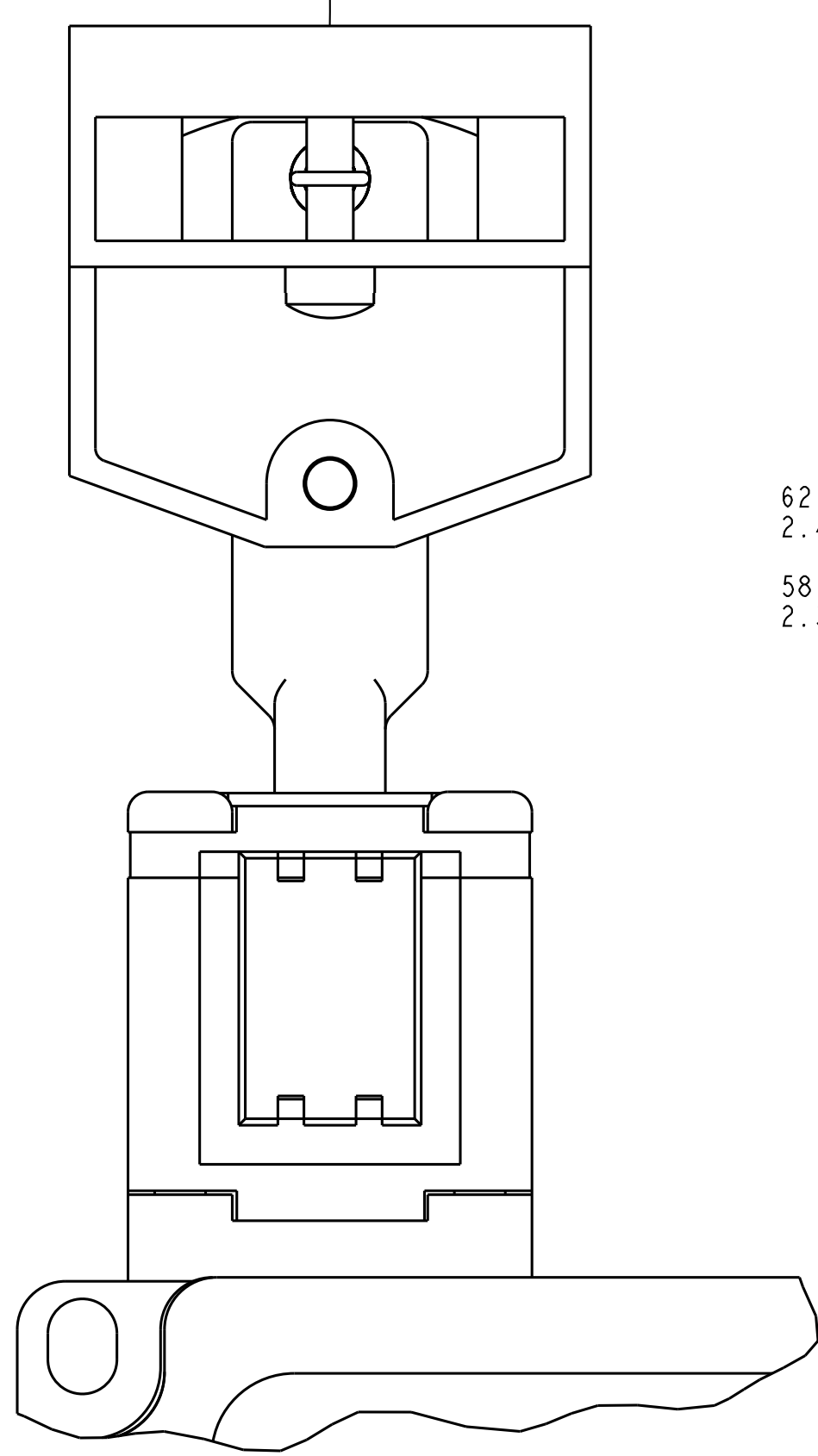
R150,00 MIN DOOR RADIUS

R250,00 MIN DOOR RADIUS

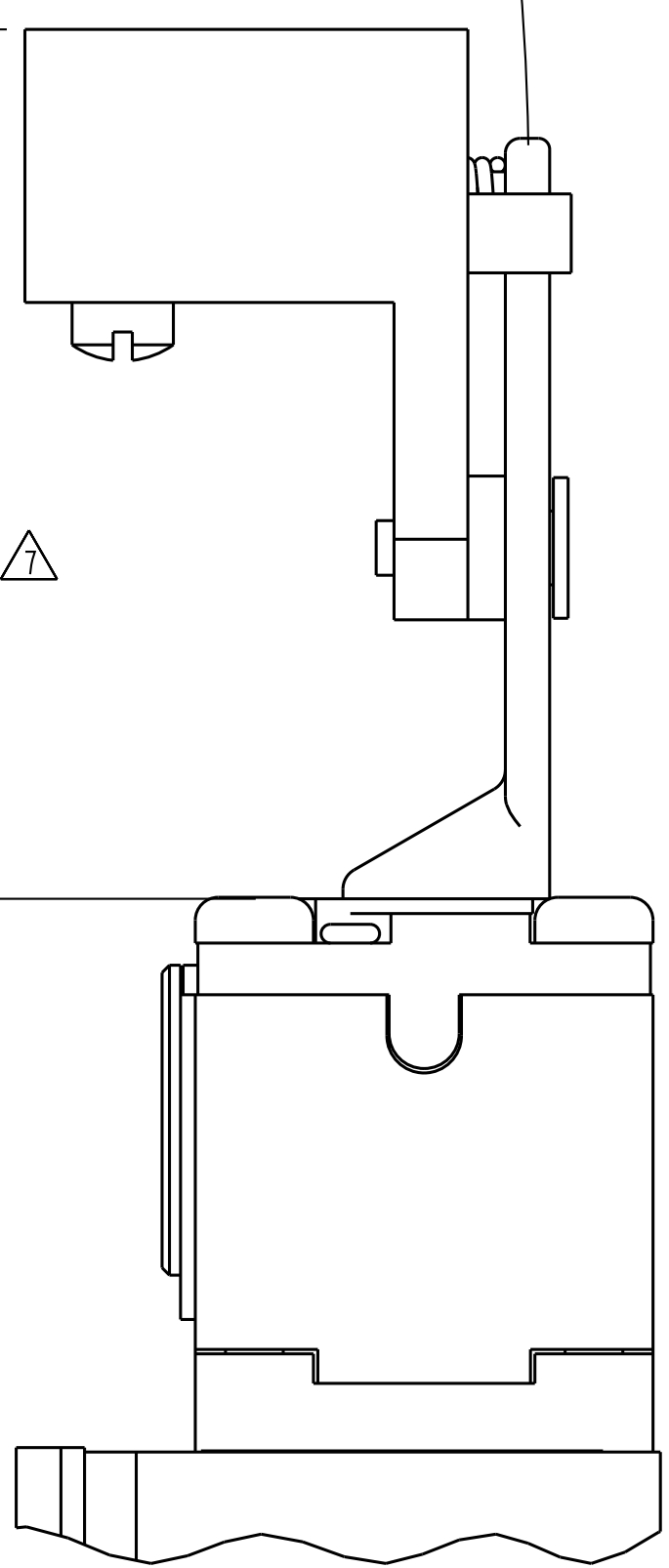


R150,00 MIN DOOR RADIUS

R250,00 MIN DOOR RADIUS



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



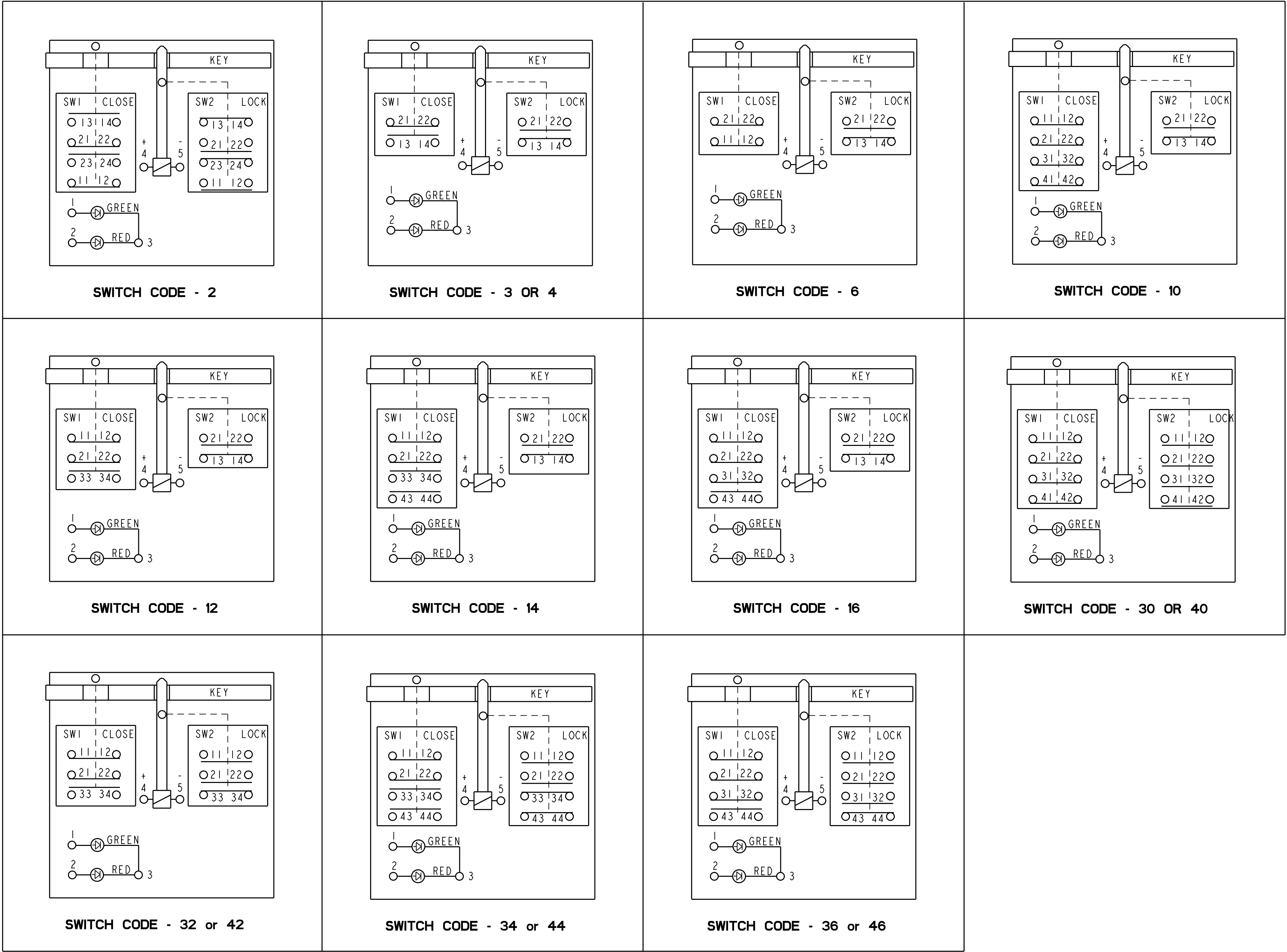
TOP KEY ENTRY

FRONT KEY ENTRY

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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		WEIGHT 3.3 LB / 1.5 KG	





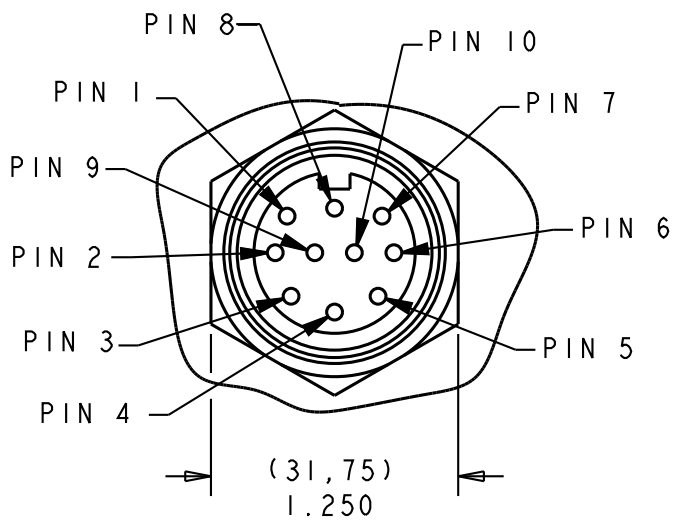
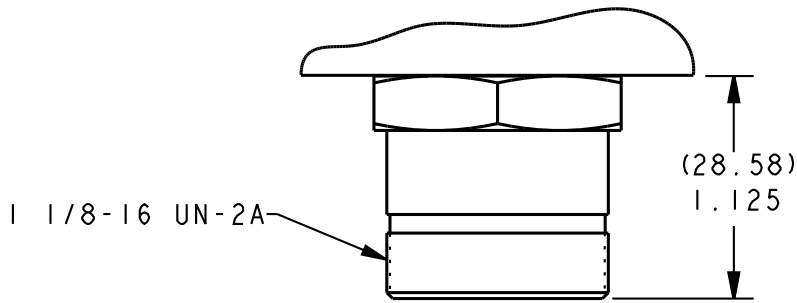
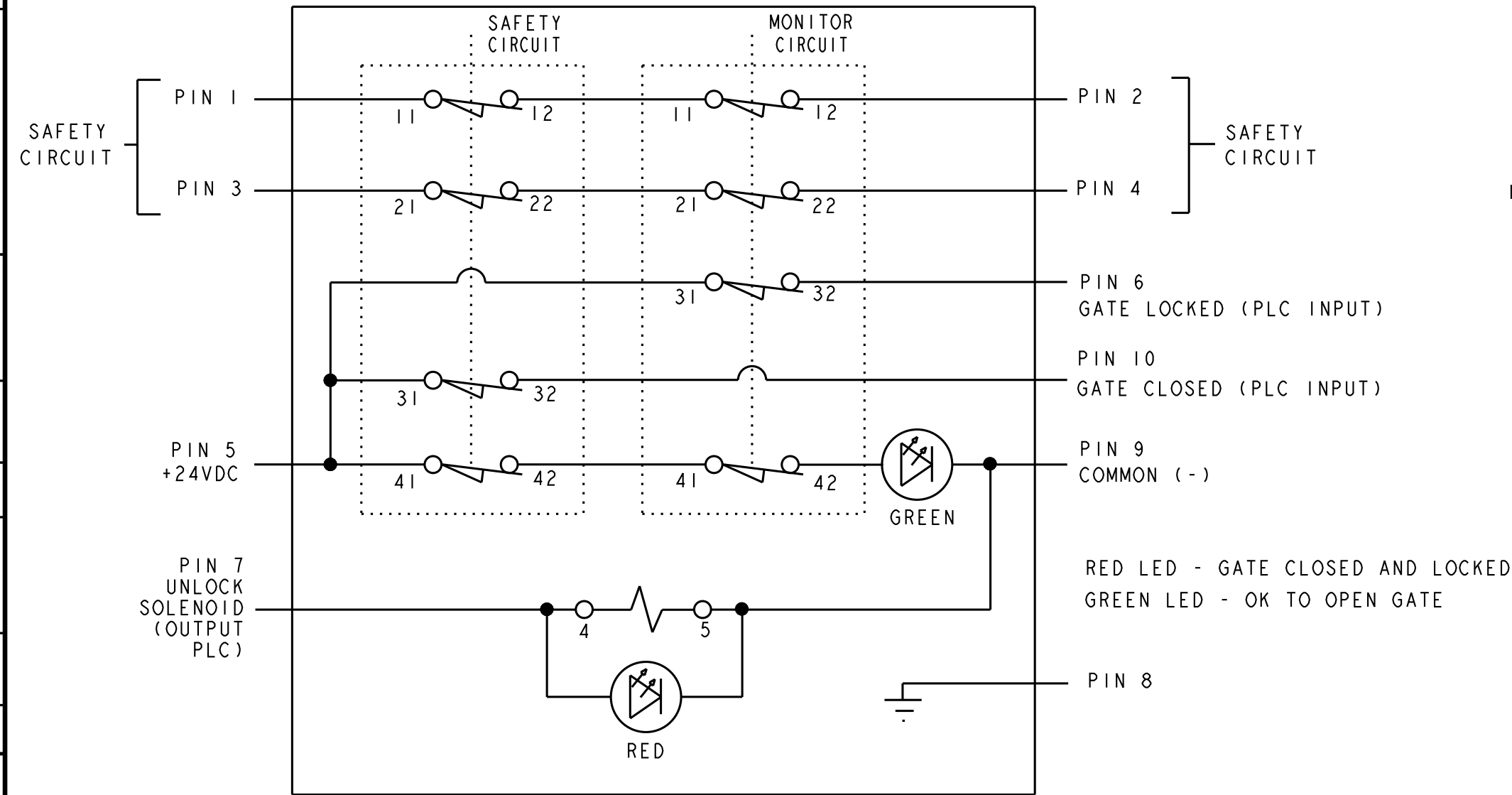


BODY / INDICATOR CODES - L OR R
TYPE / OVER-RIDE CODES - S OR T
DIAGRAMS SHOWN WITH KEY INSERTED AND LOCKED

PTC/CAD 3D
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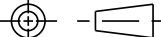


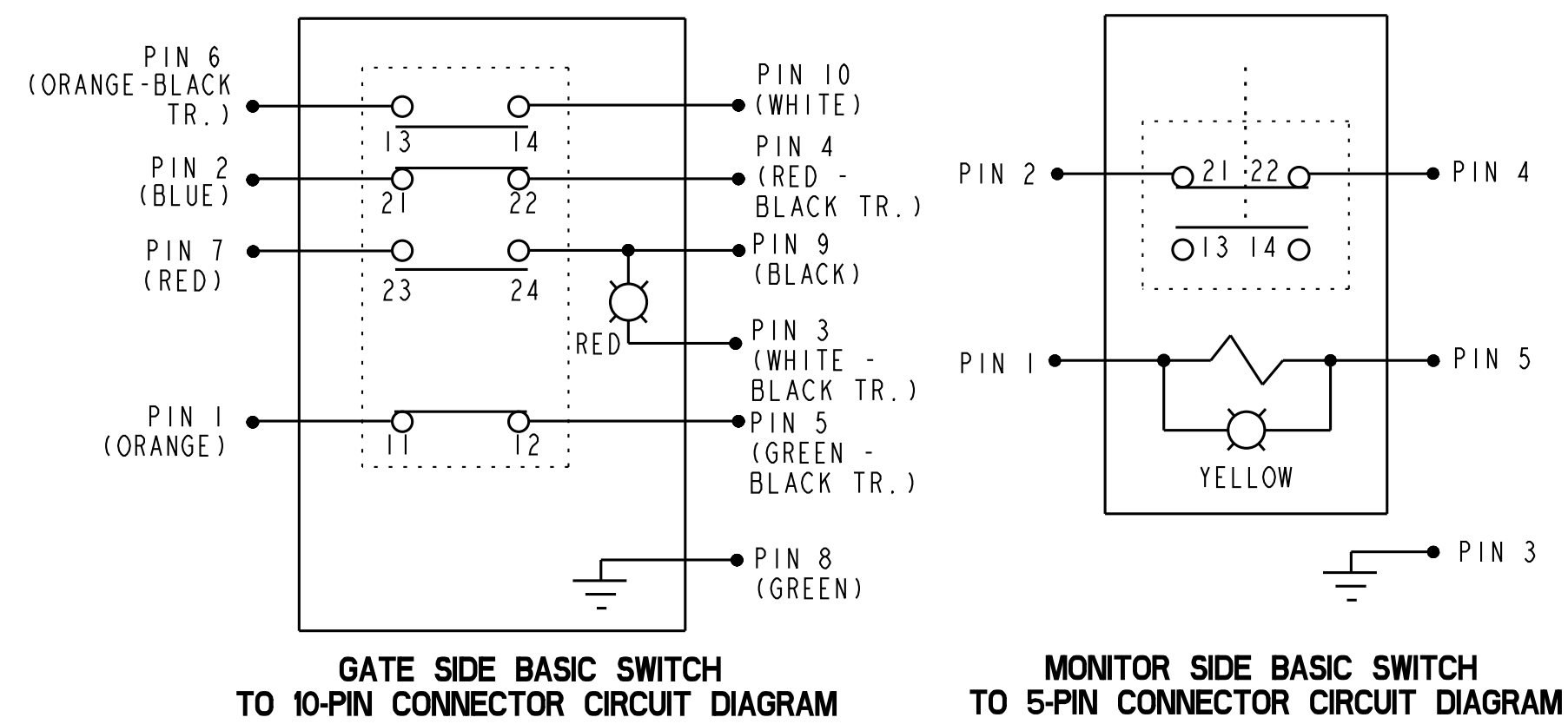
MODIFICATION CODE: F05



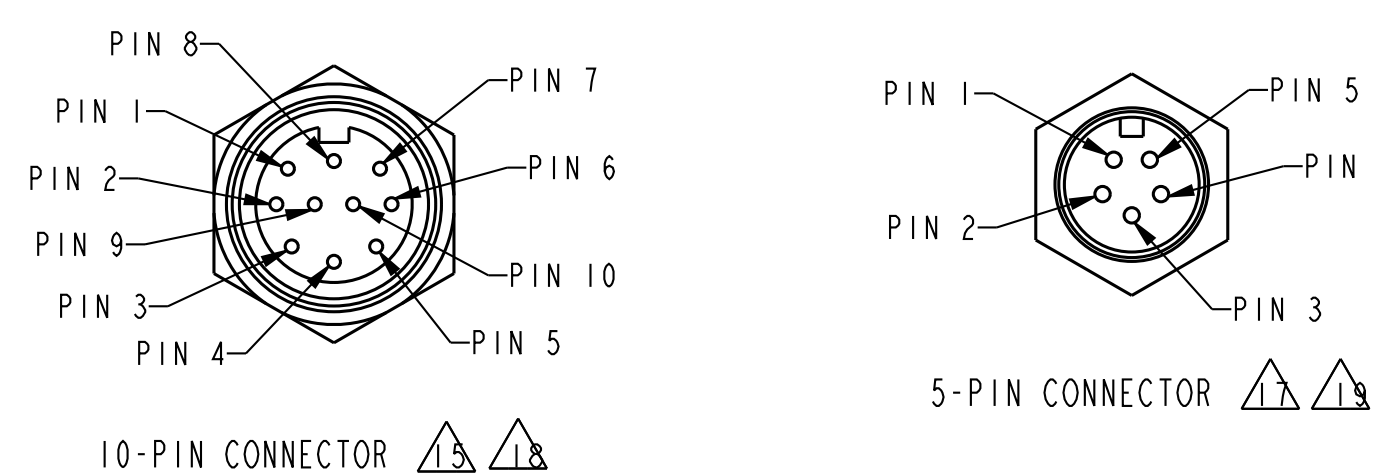
300V 7A
BRAD-HARRISON PART NO. 3R1006A21F010
OR EQUIVALENT

SWITCH DIAGRAM STATE
IS CLOSED AND LOCKED

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.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]AC SOLENOID VOLTAGE DEVICES 

DIAGRAMS SHOWN WITH KEY INSERTED AND LOCKED



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CATALOG LISTING

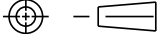
MICRO SWITCH
a **Honeywell Division**

SWITCH - DOOR INTERLOCK

GK SERIES CHART 4

ANSI Y14.5M-1982 APPLIES

FED MEG CODE 91939

THIRD ANGLE PROJECTION																											
																											
SCALE NTS																											
DO NOT SCALE PRINT																											
TOLERANCES																											
APPLY TO DESIGN UNITS. CONVERSIONS ARE FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE :																											
NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">DIM. mm</th> <th style="text-align: left; padding: 2px;">TOL mm/1/8"</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">x</td> <td style="padding: 2px;">1/16, 0A</td> </tr> <tr> <td style="padding: 2px;">x.x</td> <td style="padding: 2px;">0.04, 016</td> </tr> <tr> <td style="padding: 2px;">x.xx</td> <td style="padding: 2px;">0.15/0.004</td> </tr> </tbody> </table>	DIM. mm	TOL mm/1/8"	x	1/16, 0A	x.x	0.04, 016	x.xx	0.15/0.004	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">DIM. in</th> <th style="text-align: left; padding: 2px;">TOL in</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">x x x</td> <td style="padding: 2px;">0.01/0.03</td> </tr> <tr> <td style="padding: 2px;">x . x x</td> <td style="padding: 2px;">0.38/0.01</td> </tr> <tr> <td style="padding: 2px;">x . x x x</td> <td style="padding: 2px;">0.13/0.000</td> </tr> </tbody> </table>	DIM. in	TOL in	x x x	0.01/0.03	x . x x	0.38/0.01	x . x x x	0.13/0.000	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">DIM. mm</th> <th style="text-align: left; padding: 2px;">TOL mm/1/8"</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">x</td> <td style="padding: 2px;">1/16, 0A</td> </tr> <tr> <td style="padding: 2px;">x.x</td> <td style="padding: 2px;">0.04, 016</td> </tr> <tr> <td style="padding: 2px;">x.xx</td> <td style="padding: 2px;">0.15/0.004</td> </tr> </tbody> </table>	DIM. mm	TOL mm/1/8"	x	1/16, 0A	x.x	0.04, 016	x.xx	0.15/0.004
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WEIGHT 2.3 kg / 5 lb MAX																											

