

DUAL ENTRY SOLENOID KEY OPERATED SAFETY INTERLOCK NOMENCLATURE

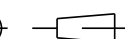
GK

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										

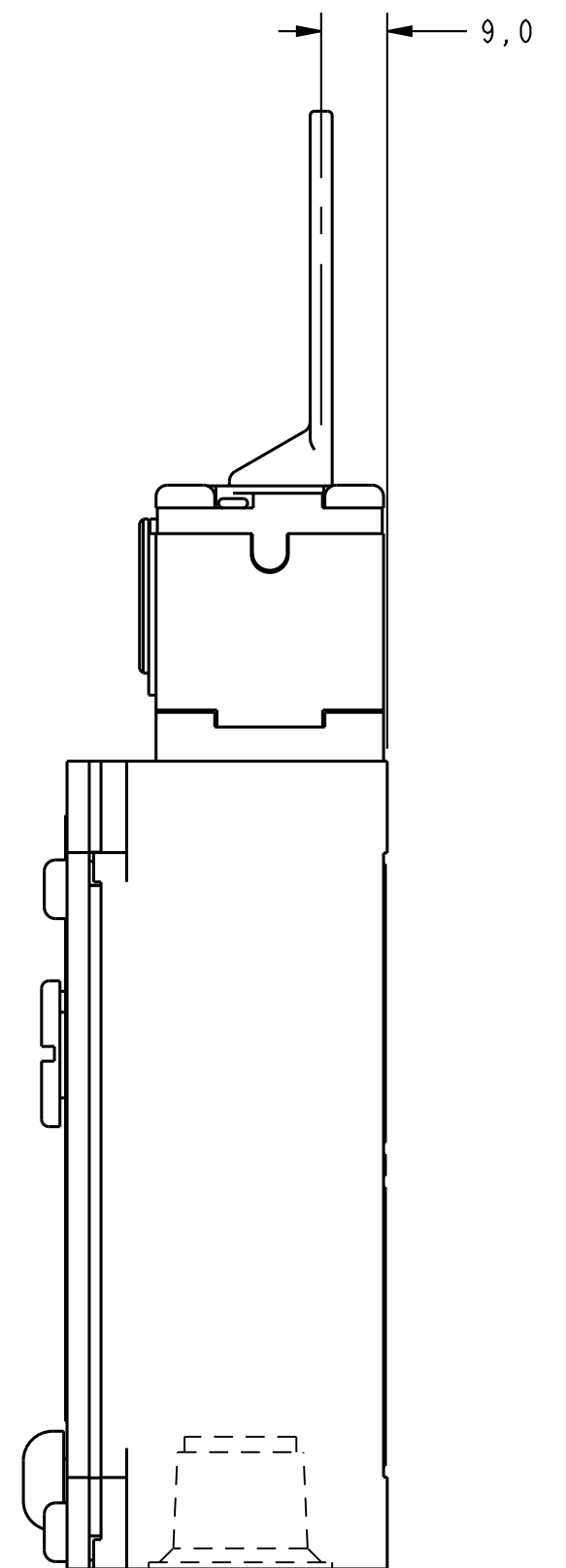
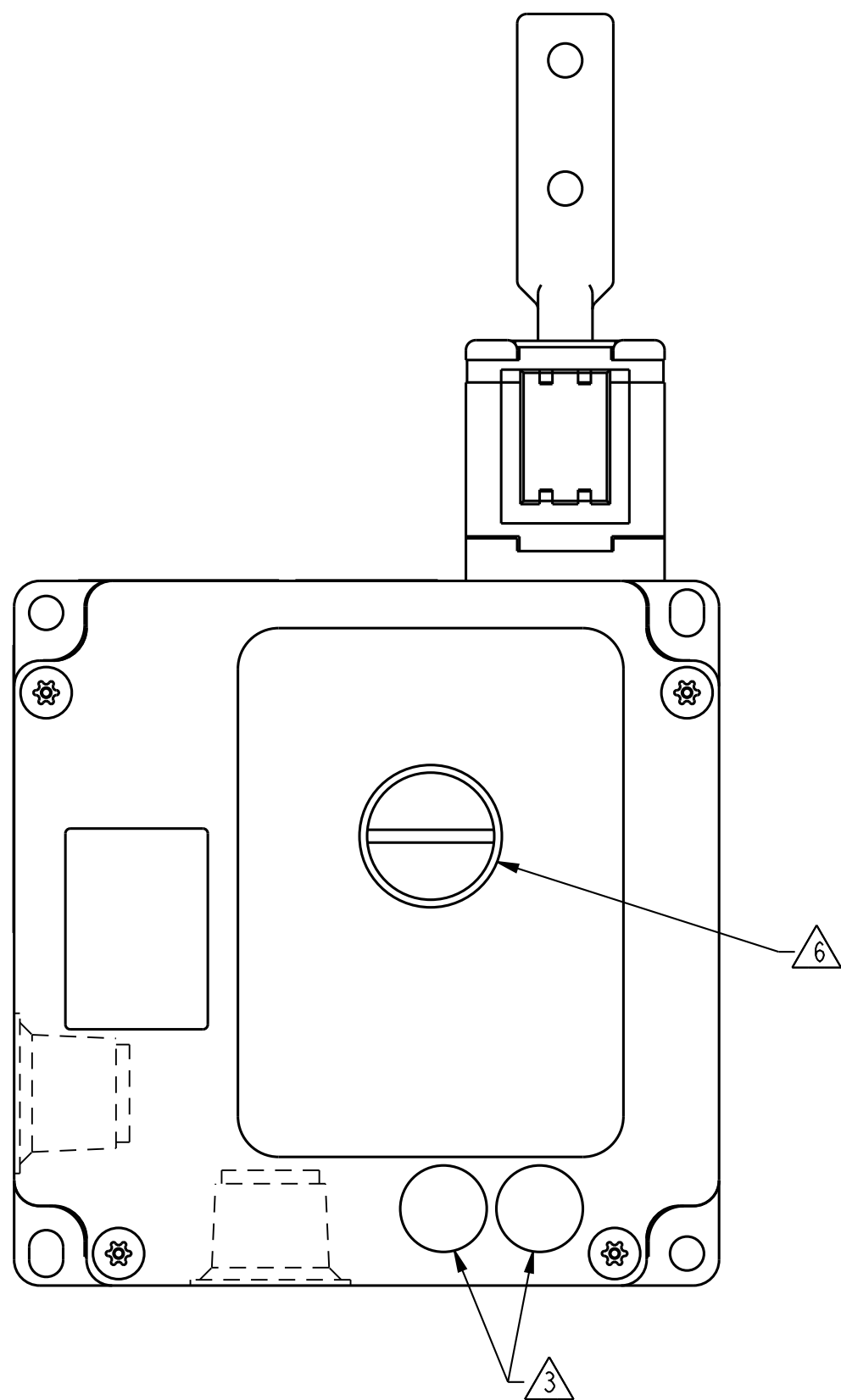
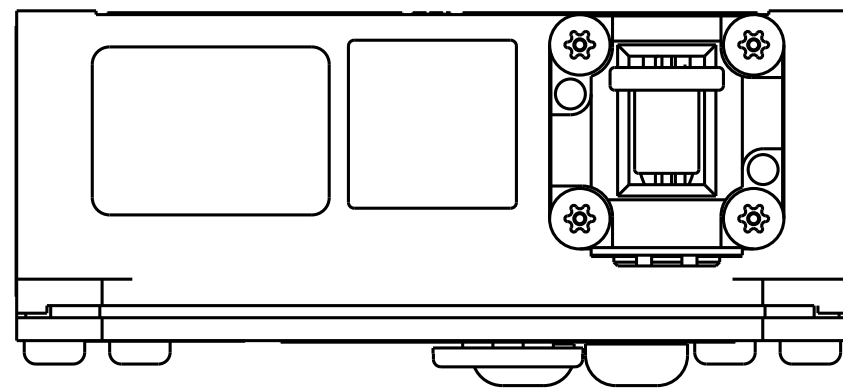
NOTES

- 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.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    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						

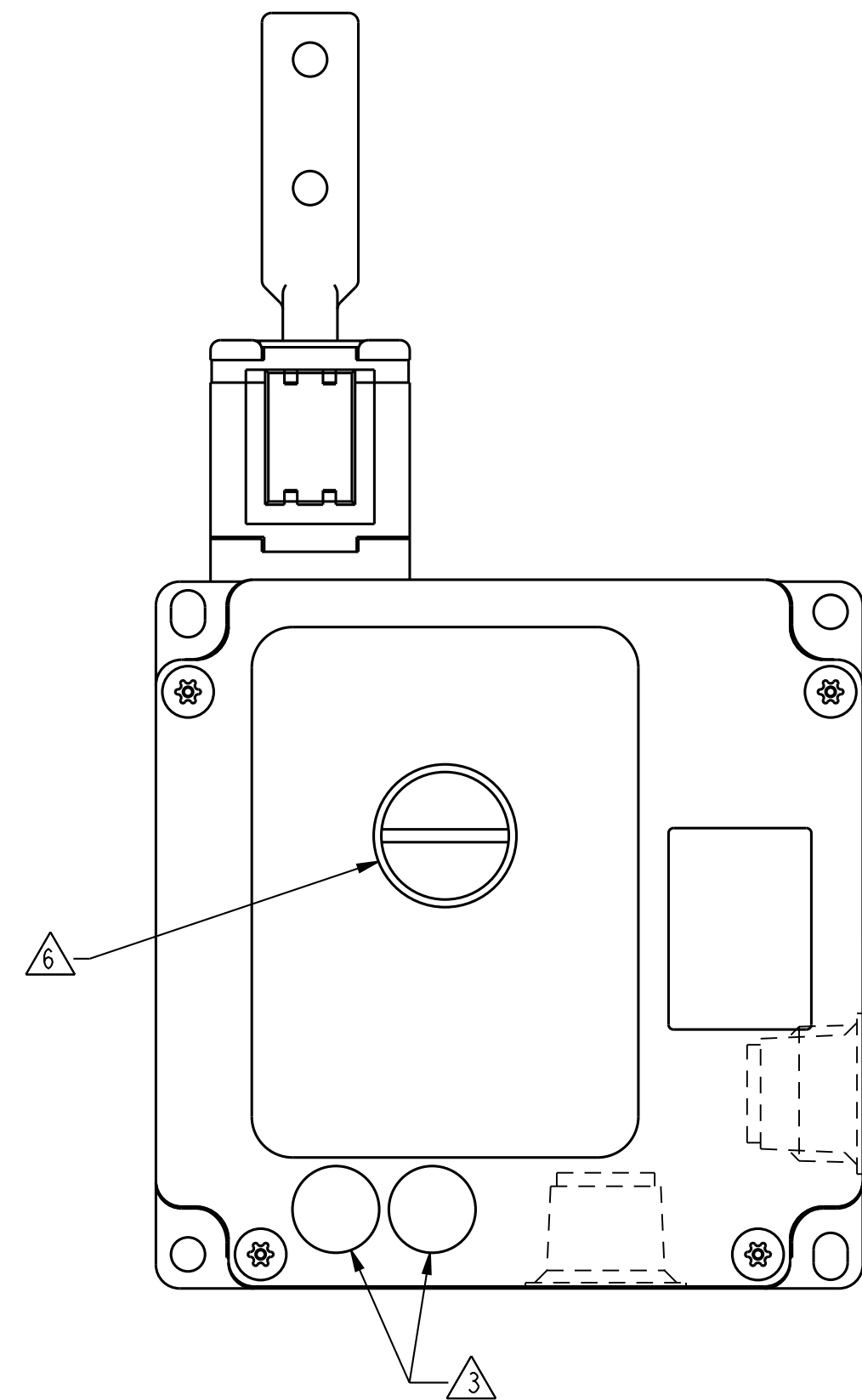
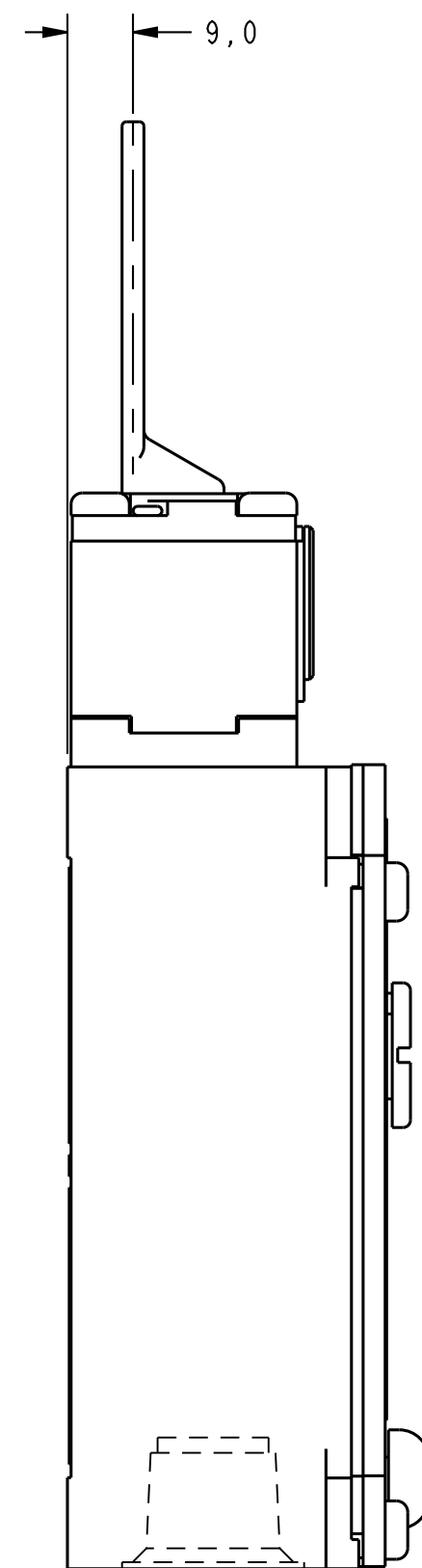
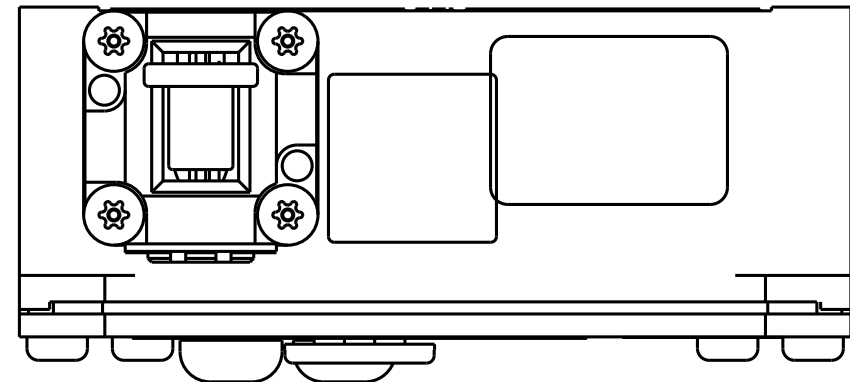
THIRD ANGLE PROJECTION					
					
SCALE		NTS			
DO NOT SCALE PRINT					
TOLERANCES					
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 1					
	DIM.		DIM.		TOL.
	mm		in.		mm/16
NO PLACES	2	1/16	2.2		0.81/0.03
ONE PLACE	1.2	0.0156	1.2X		0.39/0.015
TWO PLACES	1.2	0.00156	1.2X		0.15/0.0015
THREE PLACES	1.2X	0.000156	1.2X		0.15/0.00015
ANGLES					
DESIGN UNITS			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

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
NO PLACES	1	1.04	1.1	8.87.03															
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TWO PLACES	3.1	1.17.004	3.1	1.121.005															
FED. MFG. CODE 91929	CATALOG LISTING		<table border="1"> <tr> <td>DESIGN UNITS</td> <td> <table border="1"> <tr> <td>SI METRIC</td> <td>☒</td> </tr> <tr> <td>US CUSTOMARY</td> <td>☐</td> </tr> </table> </td> </tr> </table>		DESIGN UNITS	<table border="1"> <tr> <td>SI METRIC</td> <td>☒</td> </tr> <tr> <td>US CUSTOMARY</td> <td>☐</td> </tr> </table>	SI METRIC	☒	US CUSTOMARY	☐									
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SI METRIC	☒																		
US CUSTOMARY	☐																		
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]

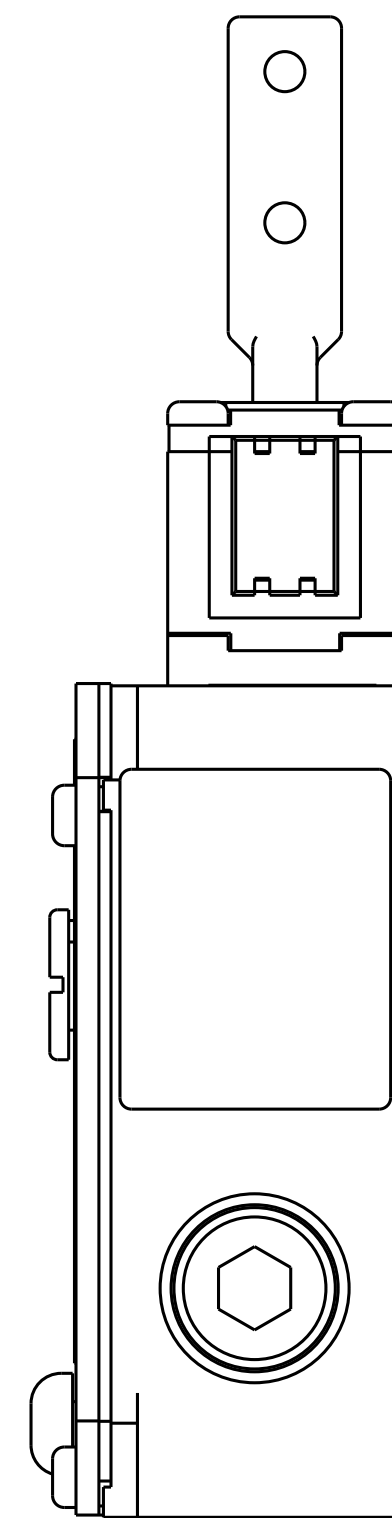
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.		DIM. TOL. mm mm / in.	
FED. MFG. CODE 91929	CATALOG LISTING	NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES	0.00 / .01 0.01 / .015 0.13 / .004 0.13 / .005
 MICRO SWITCH a Honeywell Division	SWITCH - DOOR INTERLOCK	SI METRIC US CUSTOMARY	
		DESIGN UNITS ☒	
		WEIGHT 1,5 kg / 3.3 LB	



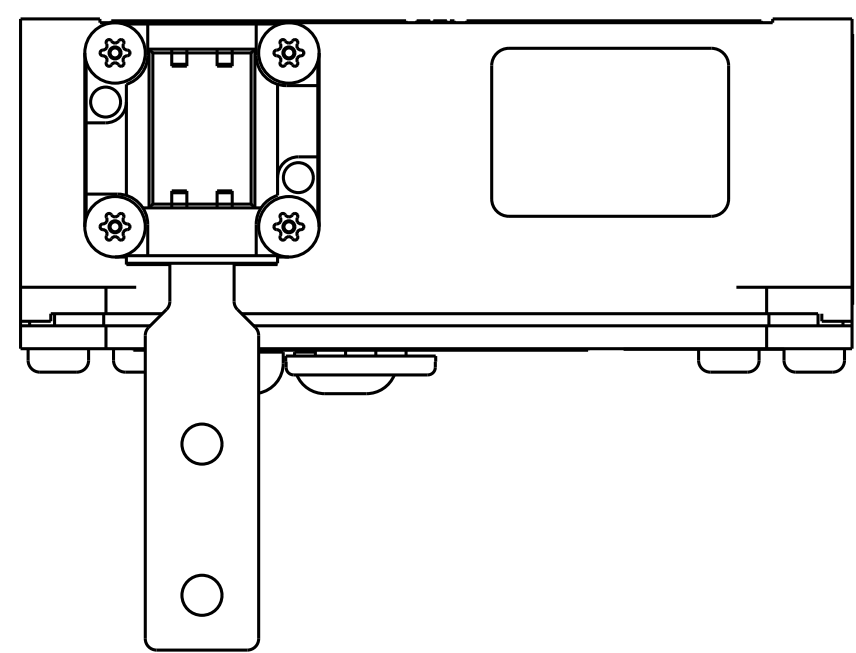
HEAD CODE L



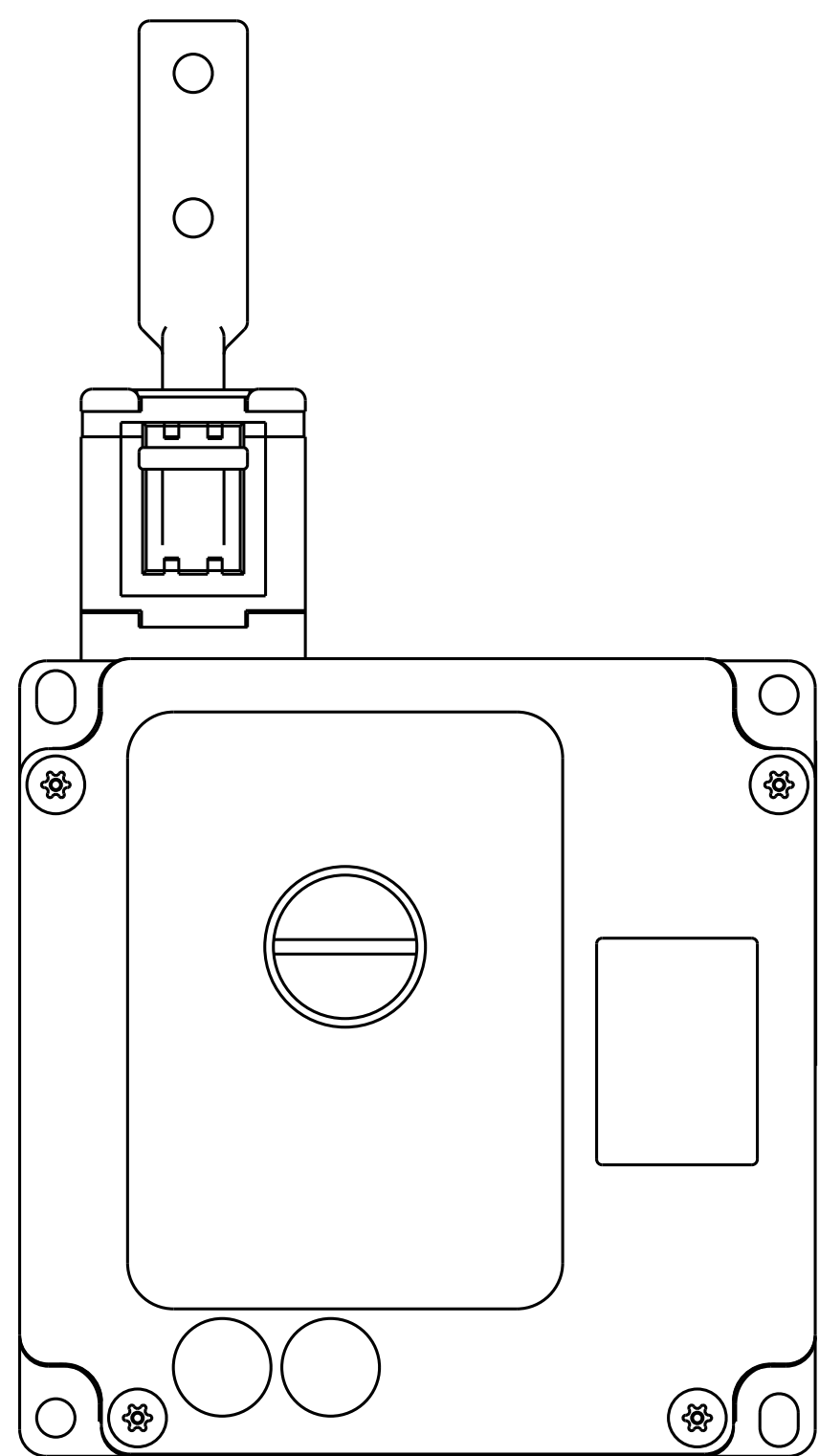
HEAD CODE M

ANSI Y14.5M-1982 APPLIES

GK SERIES CHART 4

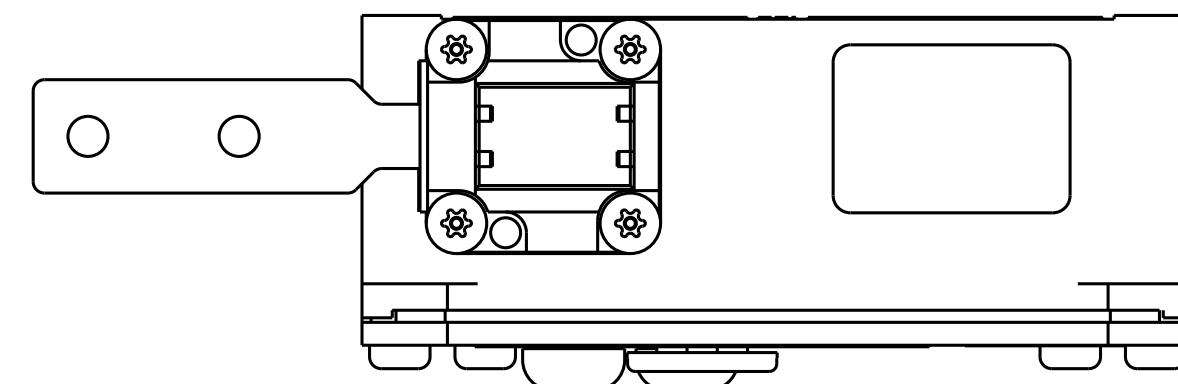
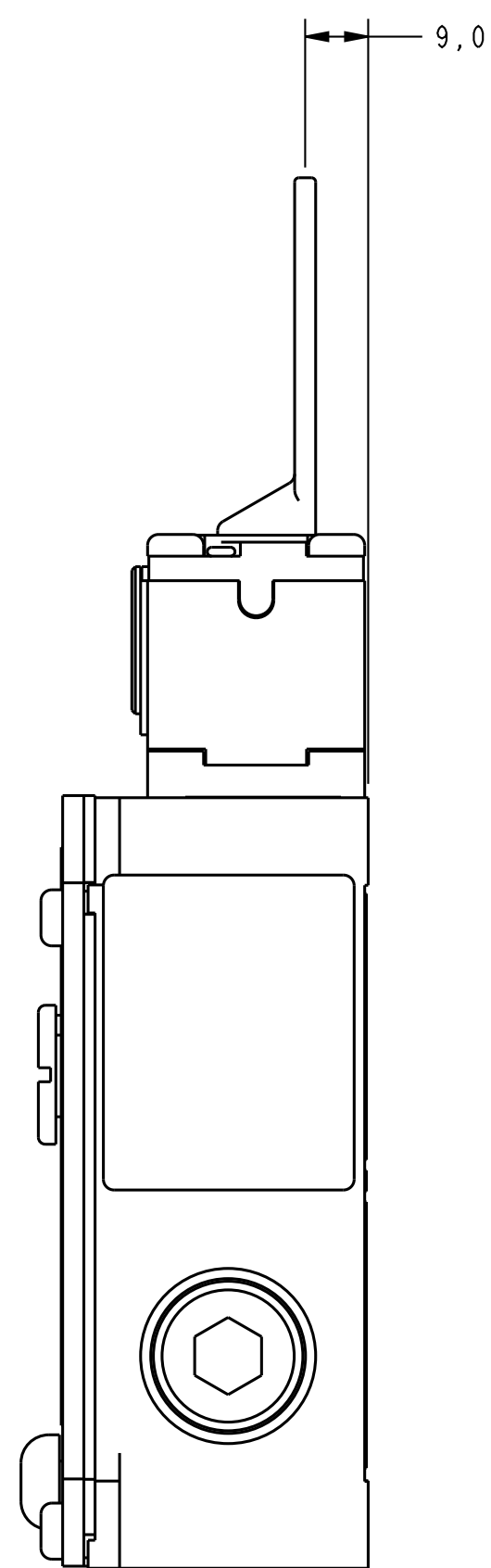


WITH KEY IN FRONT ENTRY POSITION

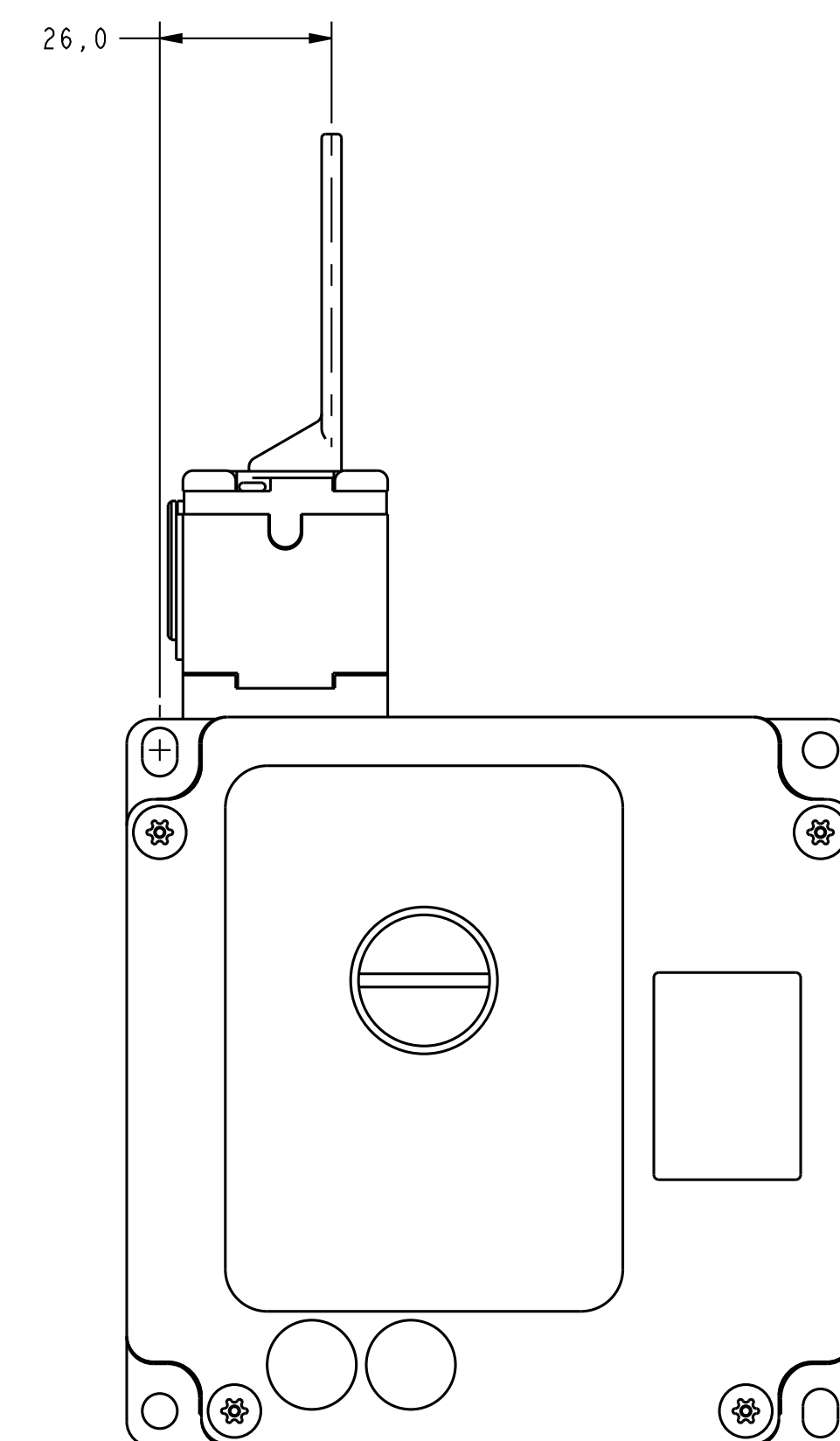


WITH KEY IN TOP ENTRY POSITION

HEAD CODE N



WITH KEY IN FRONT ENTRY POSITION



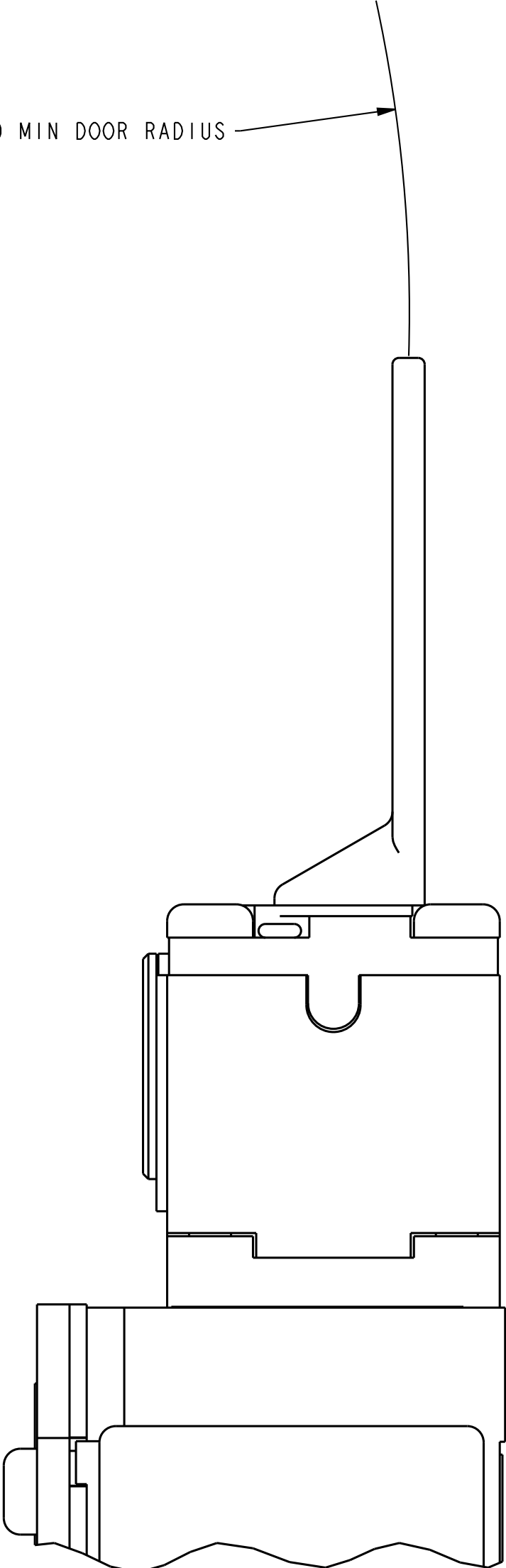
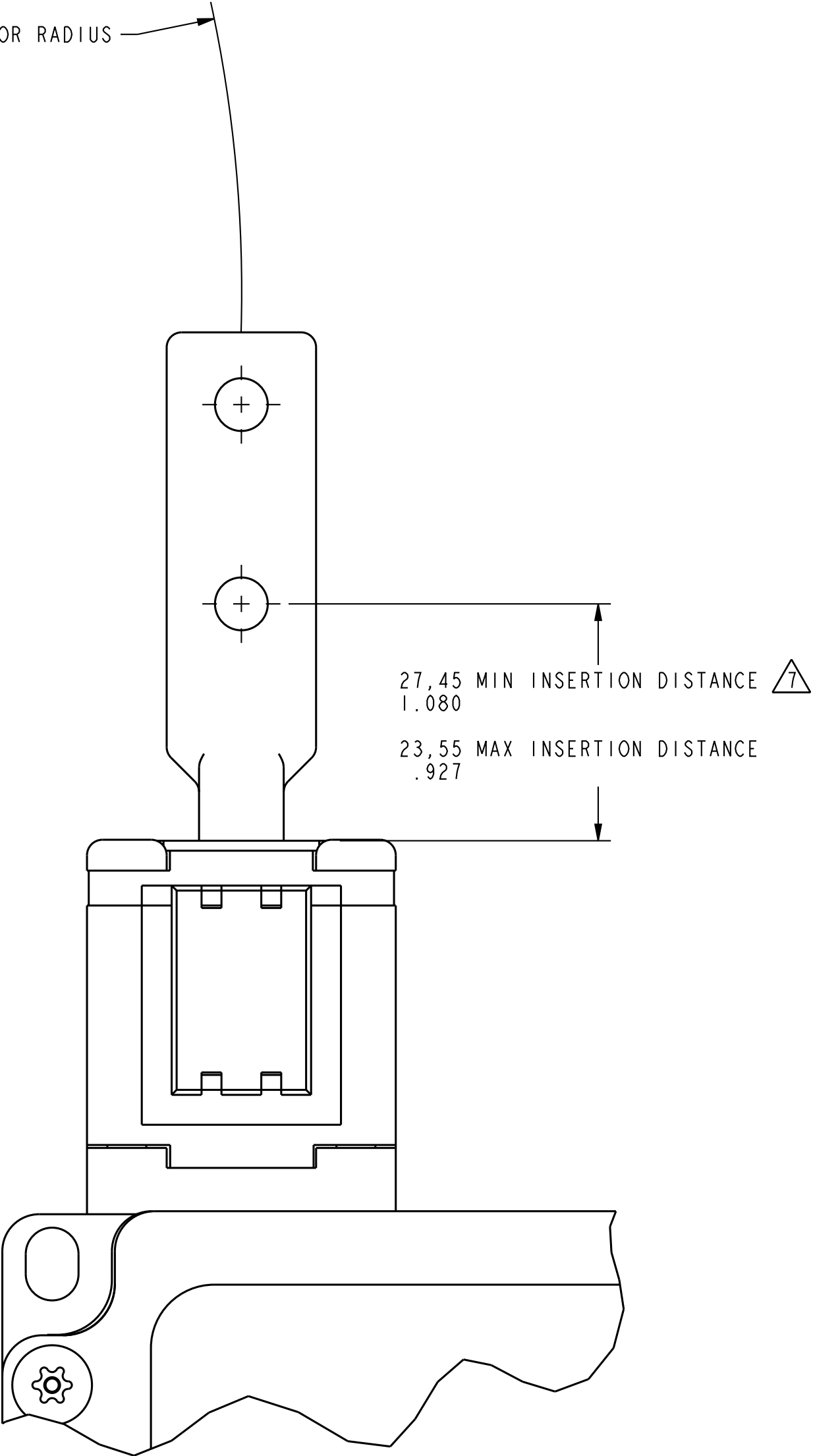
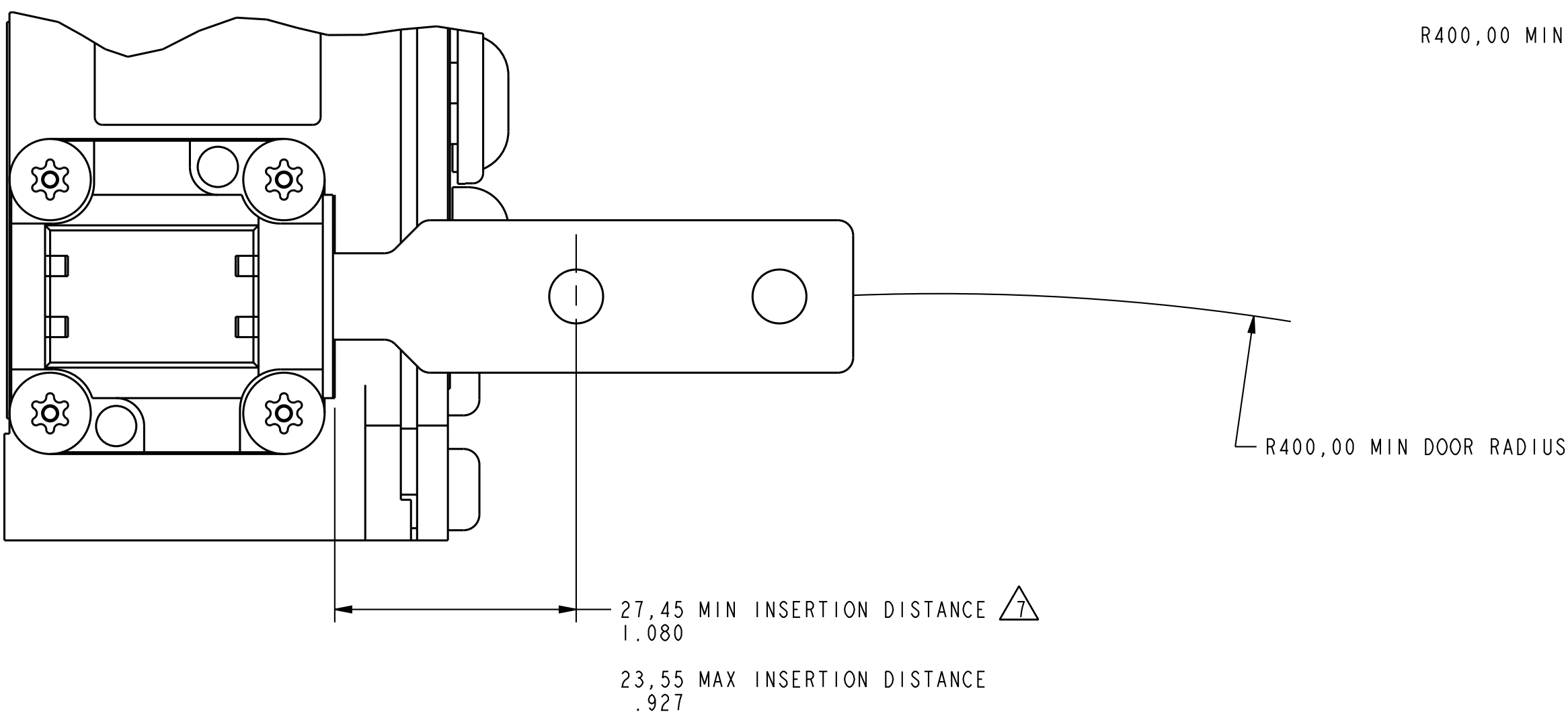
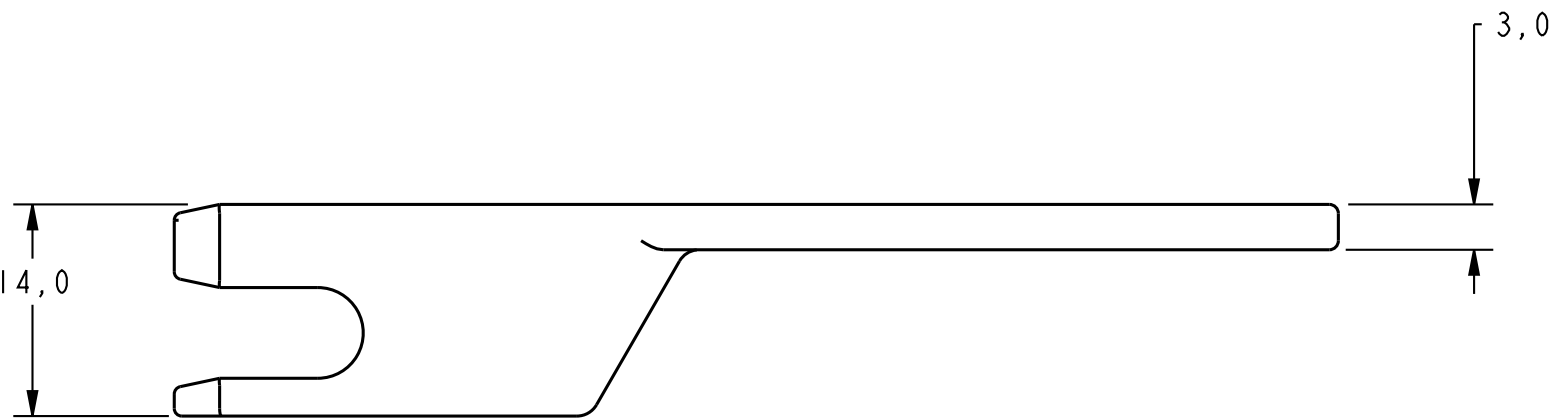
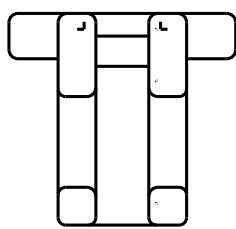
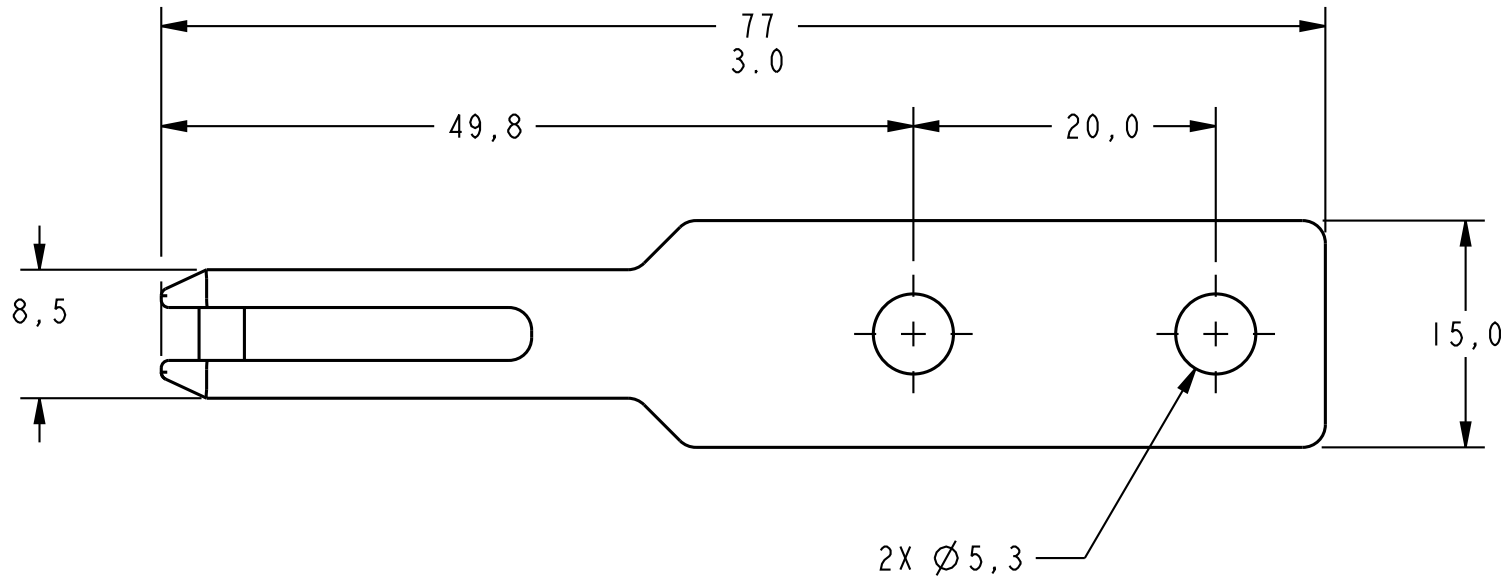
WITH KEY IN TOP ENTRY POSITION

HEAD CODE P

[illegible]

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FED. MFG. CODE 91929	CATALOG LISTING		SI METRIC US CUSTOMARY DESIGN UNITS ☒ ☐
MICRO SWITCH a Honeywell Division	SWITCH - DOOR INTERLOCK	GK SERIES CHART 4	
		WEIGHT 1.5 KC 1/2 2 10	

KEY CODE 6

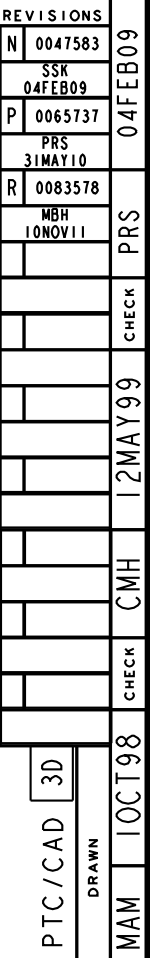


FRONT KEY ENTRY

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.X		X.XX	
THREE PLACES		X.XX		X.XX		X.XXX	
ANGLES		X		X		X	
WEIGHT 1.5 KG / 3.3 LB							

MAK SERIES CHART 4

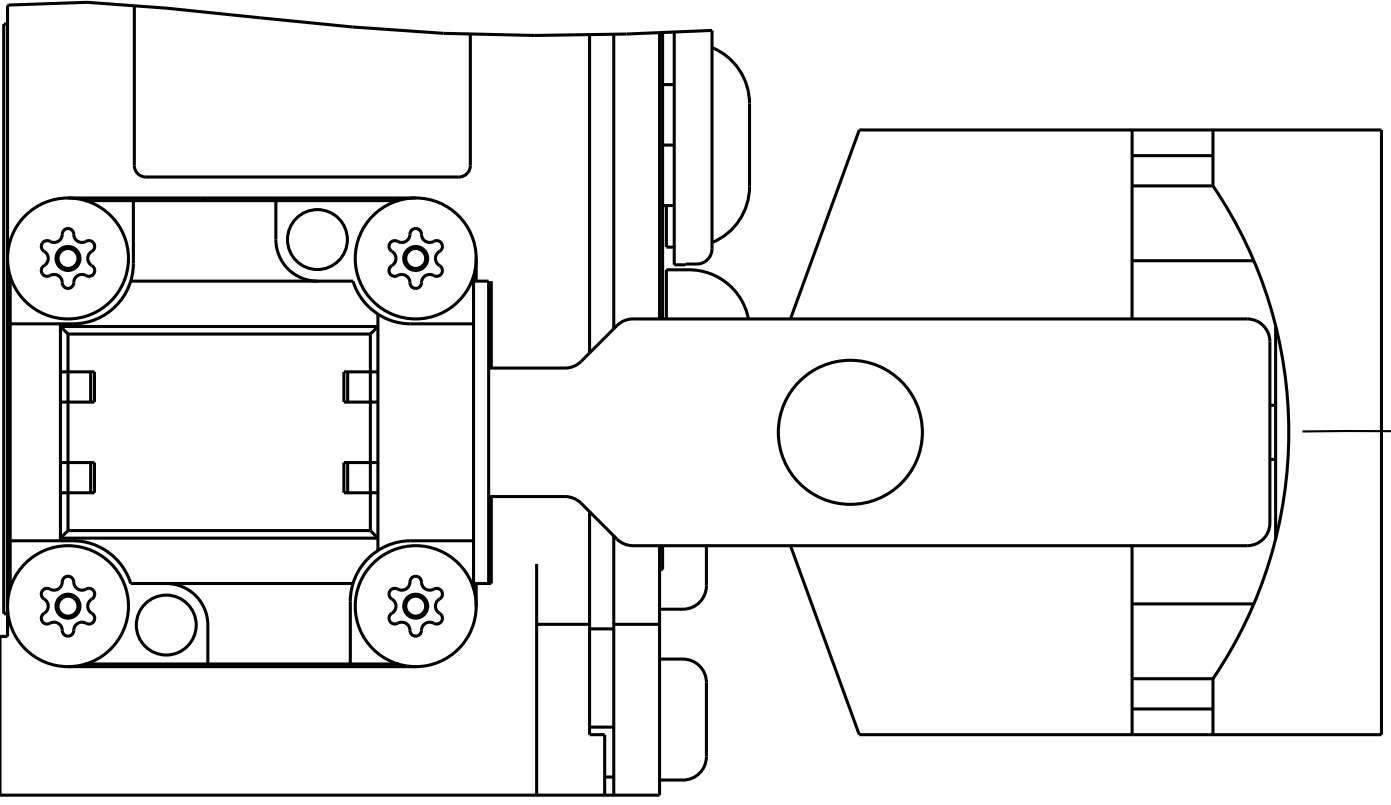
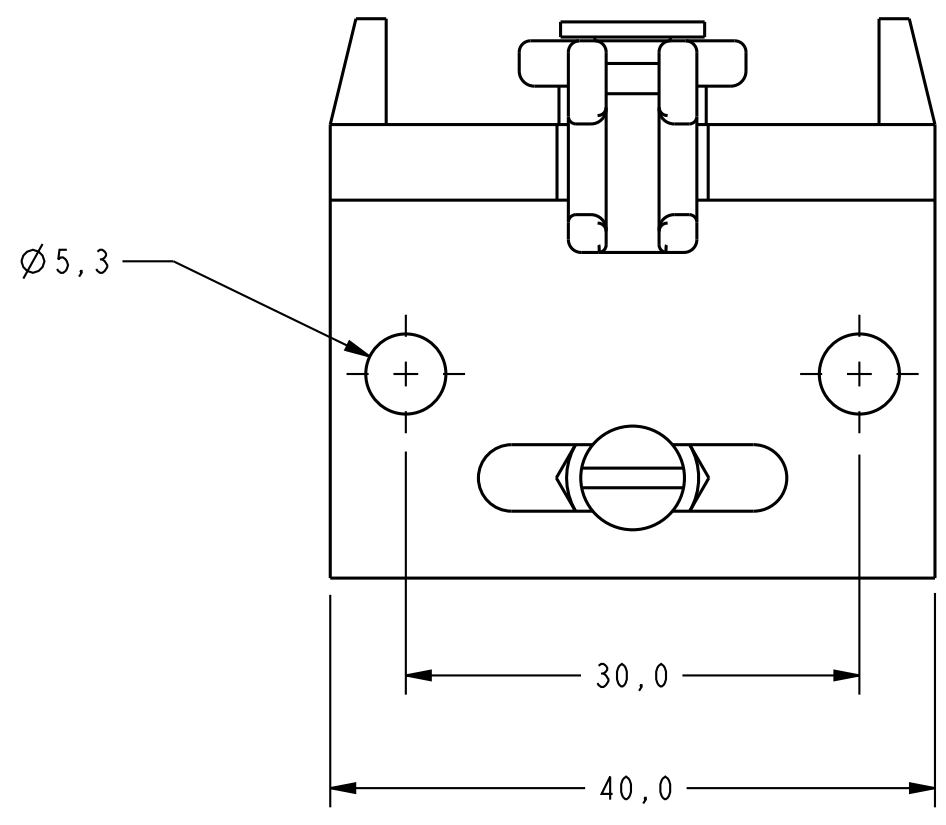
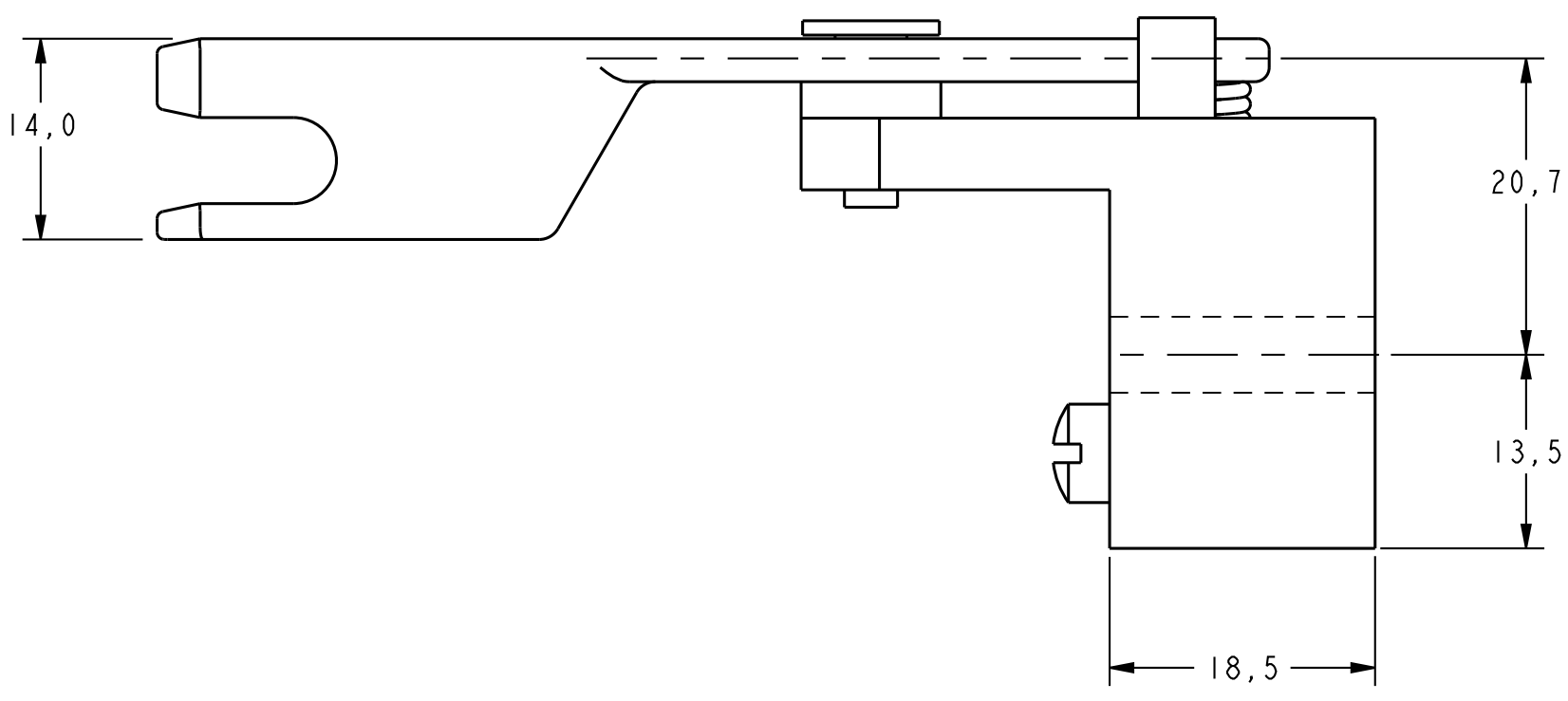
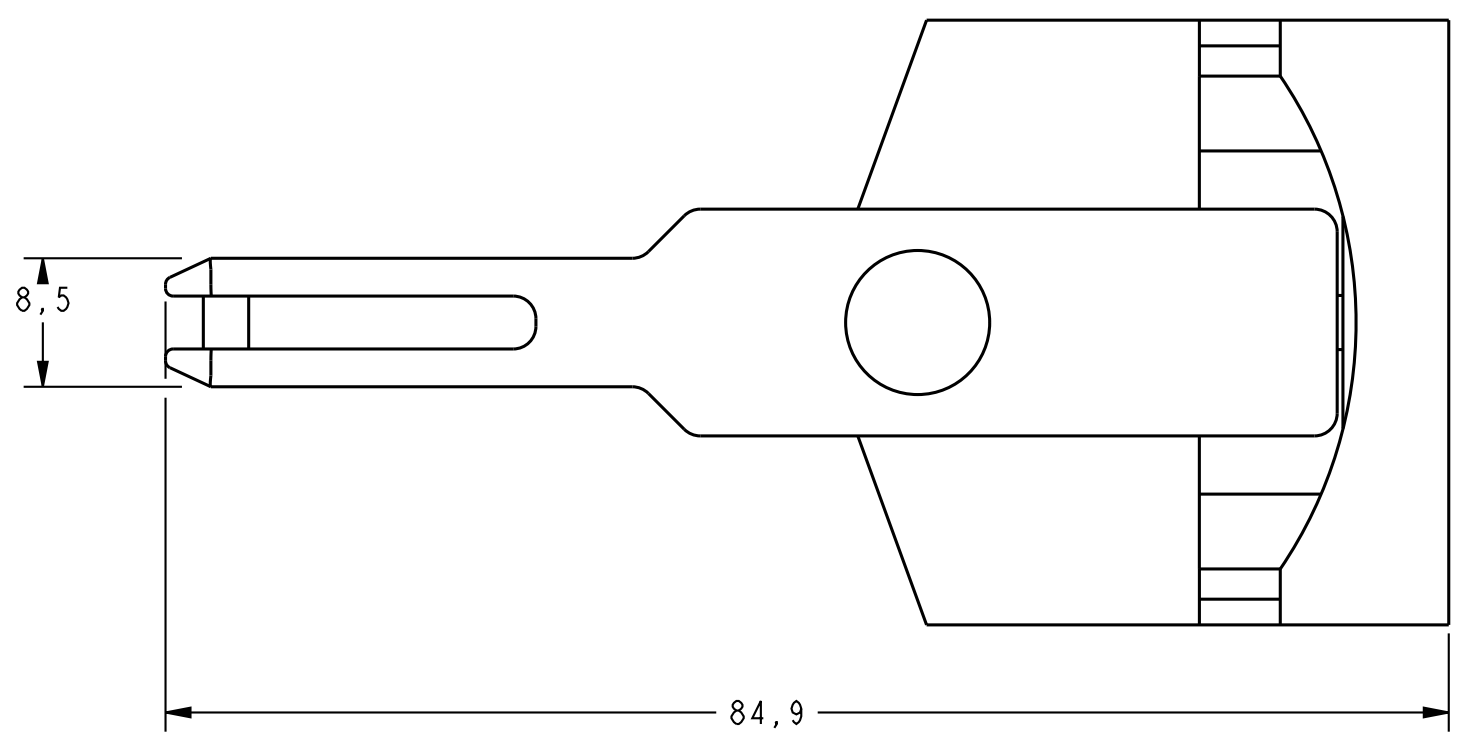


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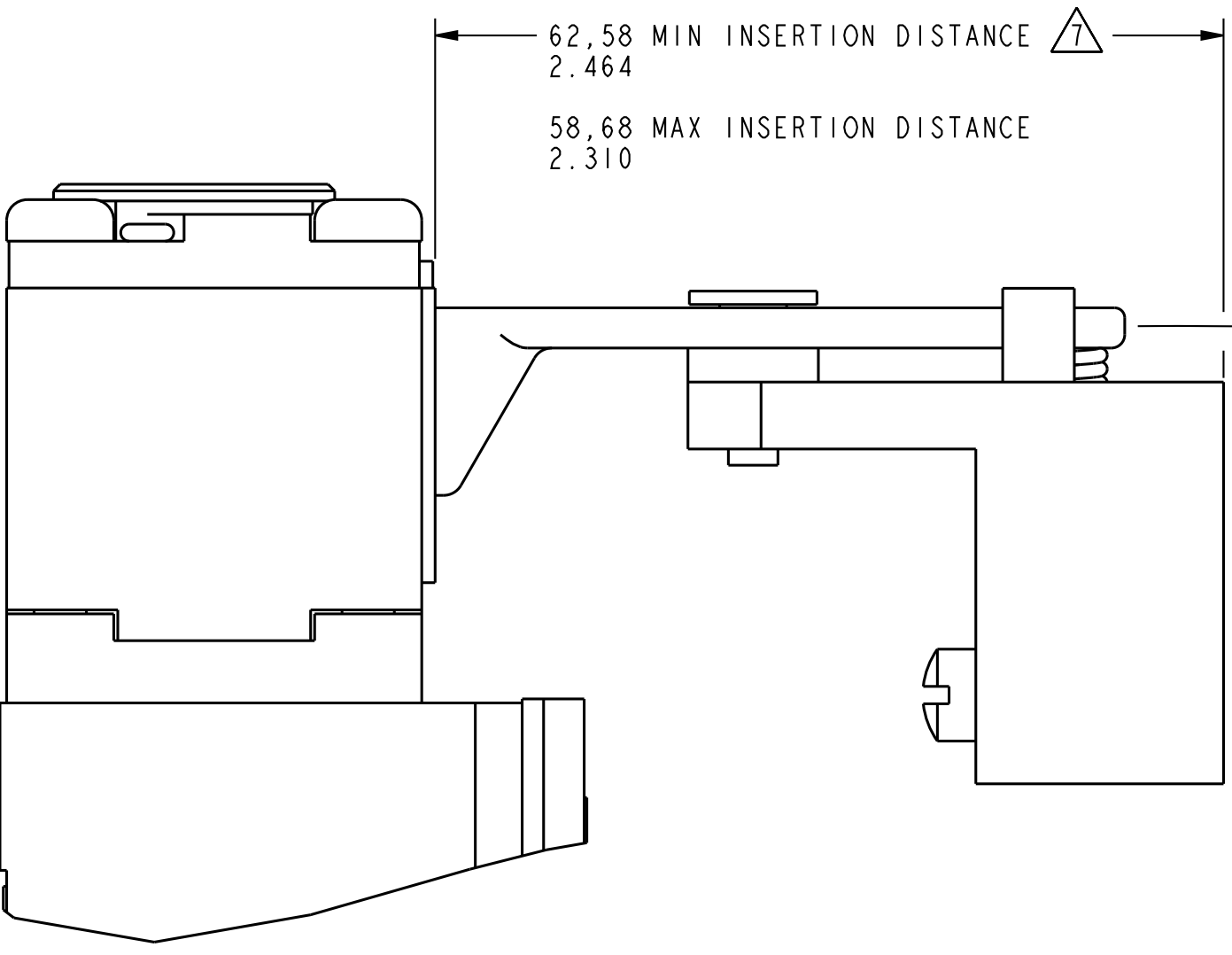
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KEY CODE 9



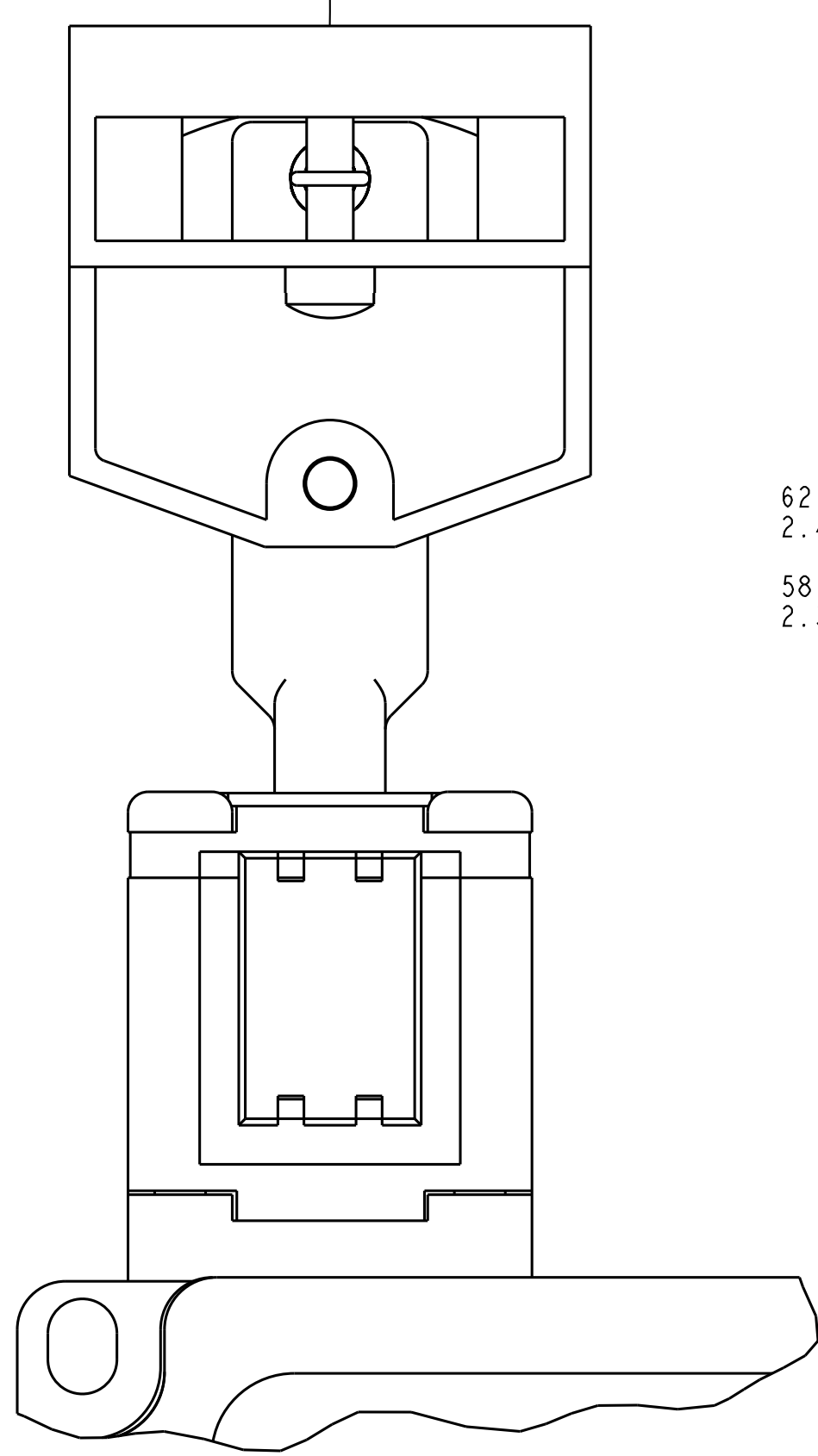
R150,00 MIN DOOR RADIUS

R250,00 MIN DOOR RADIUS

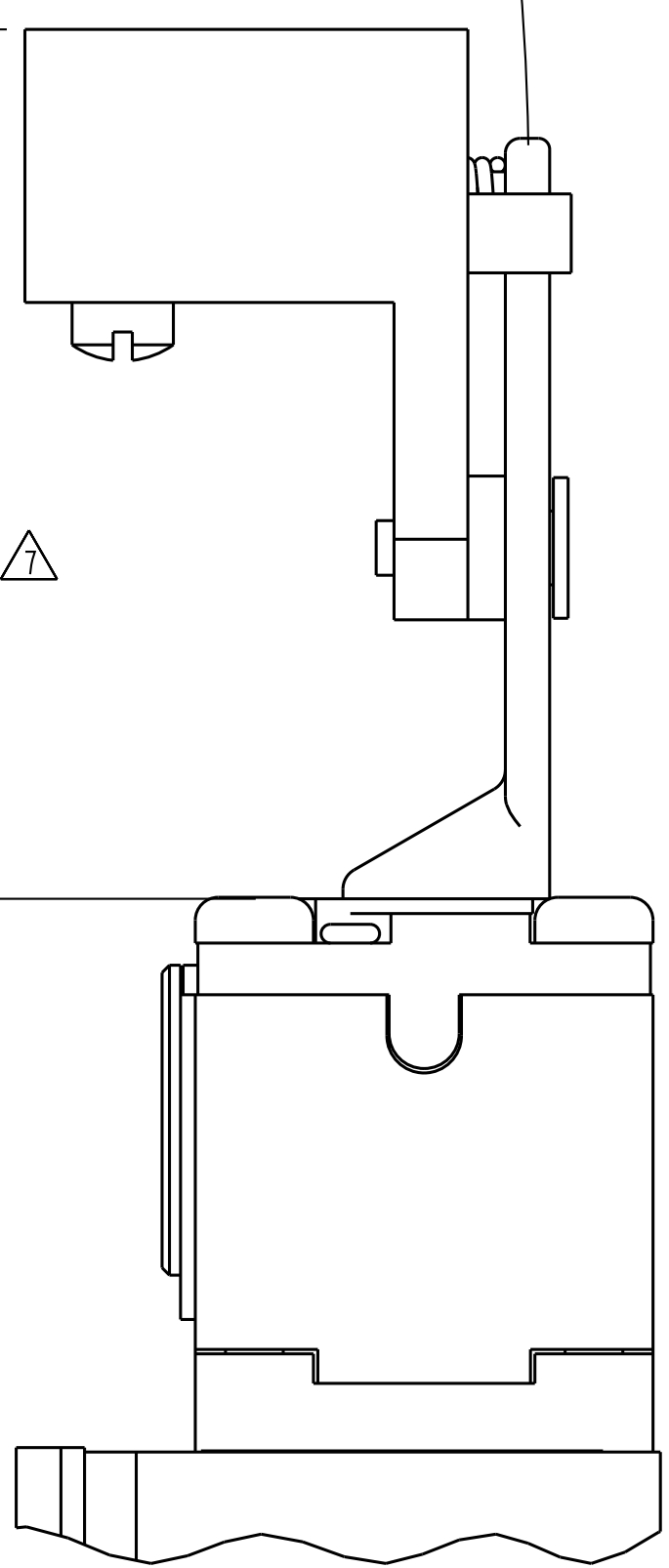


R150,00 MIN DOOR RADIUS

R250,00 MIN DOOR RADIUS



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

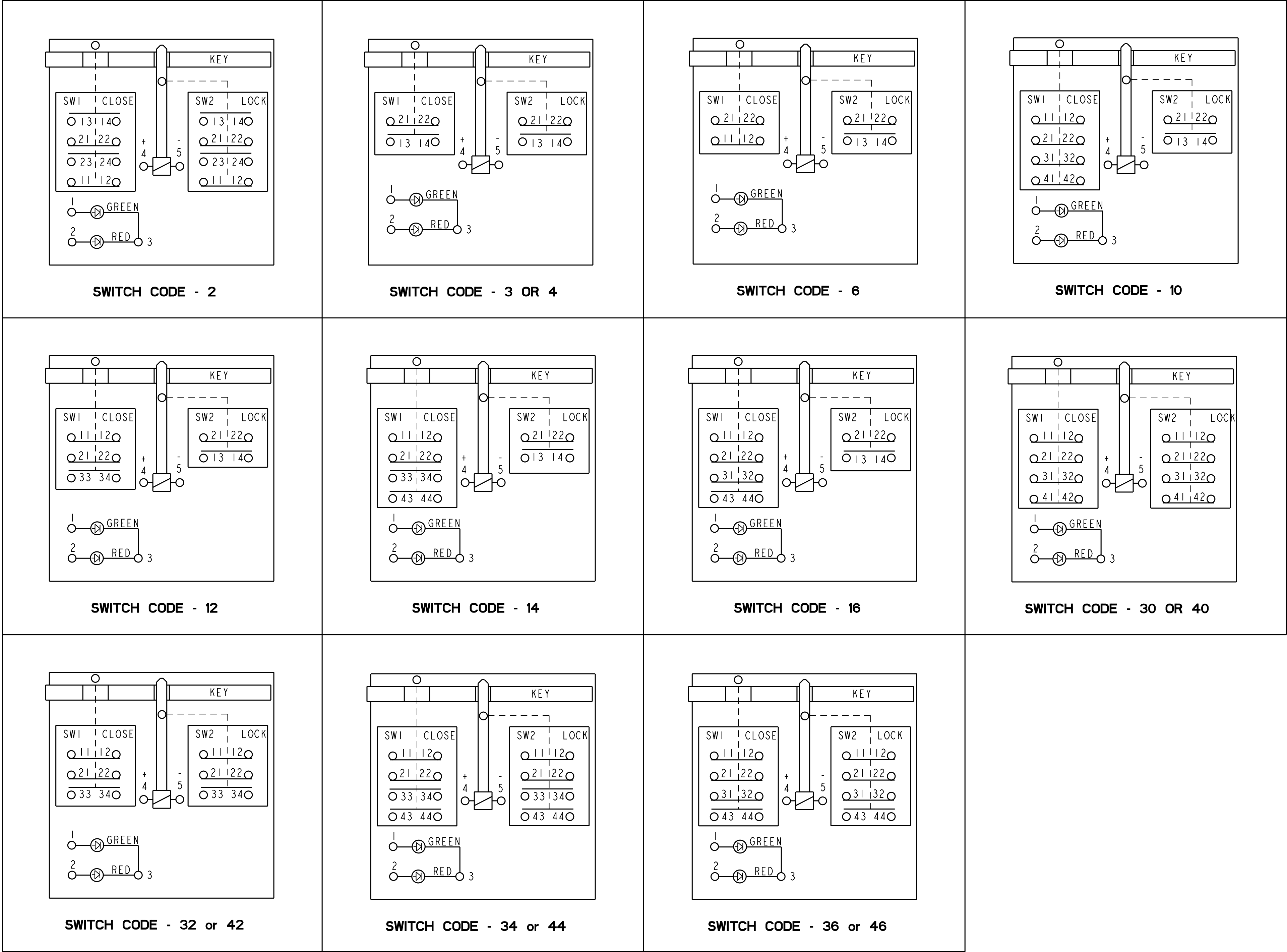


TOP KEY ENTRY

FRONT KEY ENTRY

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



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

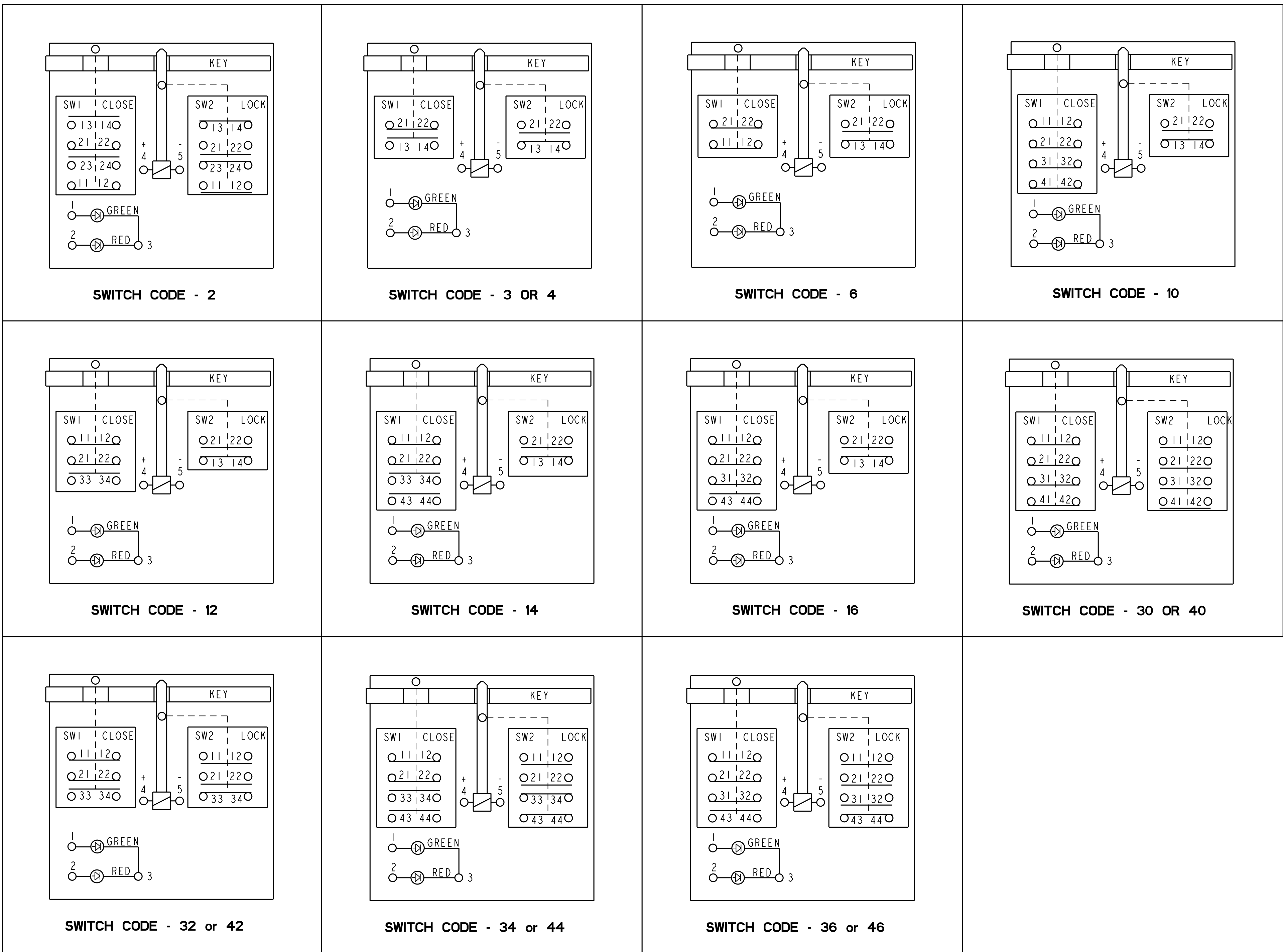
PTC/CAD 3D
DRAWN
MAM LOC 98
CHECK
CMH 12MAY99
CHECK
PRS 04FEB09
CHECK
CMH 10NOV11
RELEASE NO. PR-23758
REPLACES
-
REVISIONS
N 0047583
SST
04FEB09
P 0065737
TYP
31MAY10
R 0083578

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			
NO PLACES	ONE PLACE	TWO PLACES	THREE PLACES
MM	IN	MM	IN
±.04	±.001	±.02	±.0005
0.01/0.06	0.15/1.006	0.01/0.06	0.15/1.006

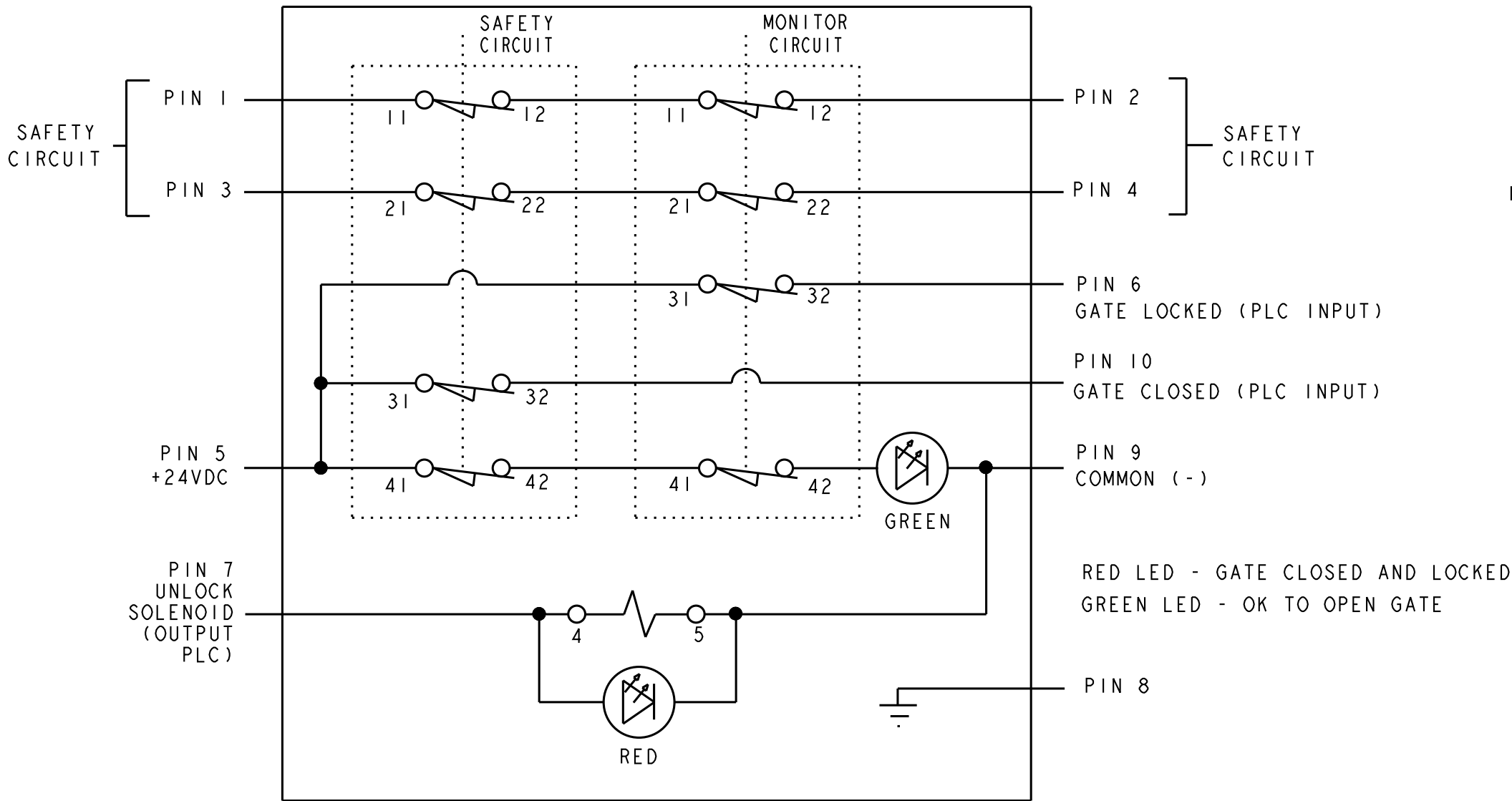




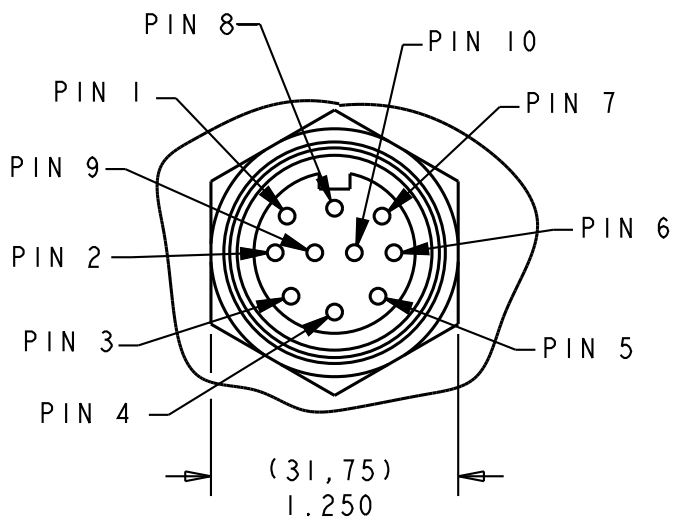
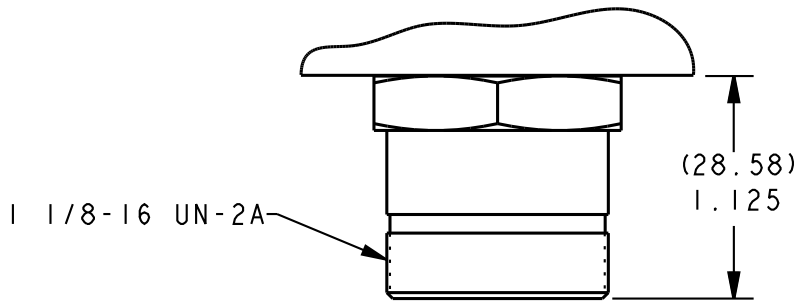
BODY / INDICATOR CODES - L OR R
 TYPE / OVER-RIDE CODES - S OR T
 DIAGRAMS SHOWN WITH KEY INSERTED AND LOCKED



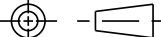
MODIFICATION CODE: F05



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 / 16	X.X	0.87 / .03
ONE PLACE	X.X	0.127 / .016	X.XX	0.381 / .015
TWO PLACES	X.XX	0.157 / .008	X.XXX	0.137 / .005
THREE PLACES				
ANGLES				
SI METRIC		US CUSTOMARY		
DESIGN UNITS				
WEIGHT 2,3 kg / 5 LB MAX				

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Honeywell:

[GKFE16LXA2](#) [GKFE16LXA6](#) [GKLA2K1A2-F04](#) [GKLA2K1A2-F04-C](#) [GKLA2K2A2-F04-C](#) [GKLA3J1A2-F03-C](#)
[GKLA40F1C2-F05-C](#) [GKRA2K1A2-F03](#) [GKRA2K1A2-F04-C](#) [GKRA3K1A2-F03-C](#) [GKFE3P7T4](#) [GKGE3LXB4](#)
[GKLE44P7S4](#) [GKLG44LXS2](#) [GKLG46L7S2](#) [GKLA14L9A2-FW](#) [GKRG46MXA2-F21](#) [GKLE44L6S4](#) [GKLG6L6A2](#)
[GKRA14L6A2-FW](#) [GKLE46L9A4](#) [GKLG16L6A2](#) [GKLE46L7A2](#) [GKLE44L7T4](#) [GKLE36PXA2-F22](#) [GKRA15M6A4-FW](#)
[GKLE44L6A2](#) [GKLE44PXT2](#) [GKFG14LXA2](#) [GKLE44L9A4](#) [GKLG16L7A2](#) [GKLE46L9A2](#) [GKLE44LXS4](#)
[GKLE44P7T4](#) [GKRA14P9A2-FW](#) [GKLG16L6S2](#) [GKLE46L7S4](#) [GKLA15L6A2-FW](#) [GKLA15M6A2-FW](#) [GKLG16L7S2](#)
[GKRA15P9A2-FW](#) [GKLE44LXA2](#) [GKLG46L7A2](#) [GKLA15M9A2-FW](#) [GKLF46PXB2](#) [GKRG16L6A2](#) [GKLE44P6A4](#)
[GKLA14L6A2-FW](#) [GKLG46PXA2-F20](#) [GKLA15L9A2-FW](#) [GKLA15P6A2-FW](#) [GKLA46L6A4](#) [GKLE46P7A4](#)
[GKLG44PXA2](#) [GKLA14M9A2-FW](#) [GKRA15M6A2-FW](#) [GKLA2PXA2-F04](#) [GKRA15L6A2-FW](#) [GKLE44L7A2](#)
[GKLE44LXS2](#) [GKLE46LXA2](#) [GKLA15P6A4-FW](#) [GKLG46P6A2](#) [GKLF44LXS2](#) [GKLD44L6A2](#) [GKLE44L9A2](#)