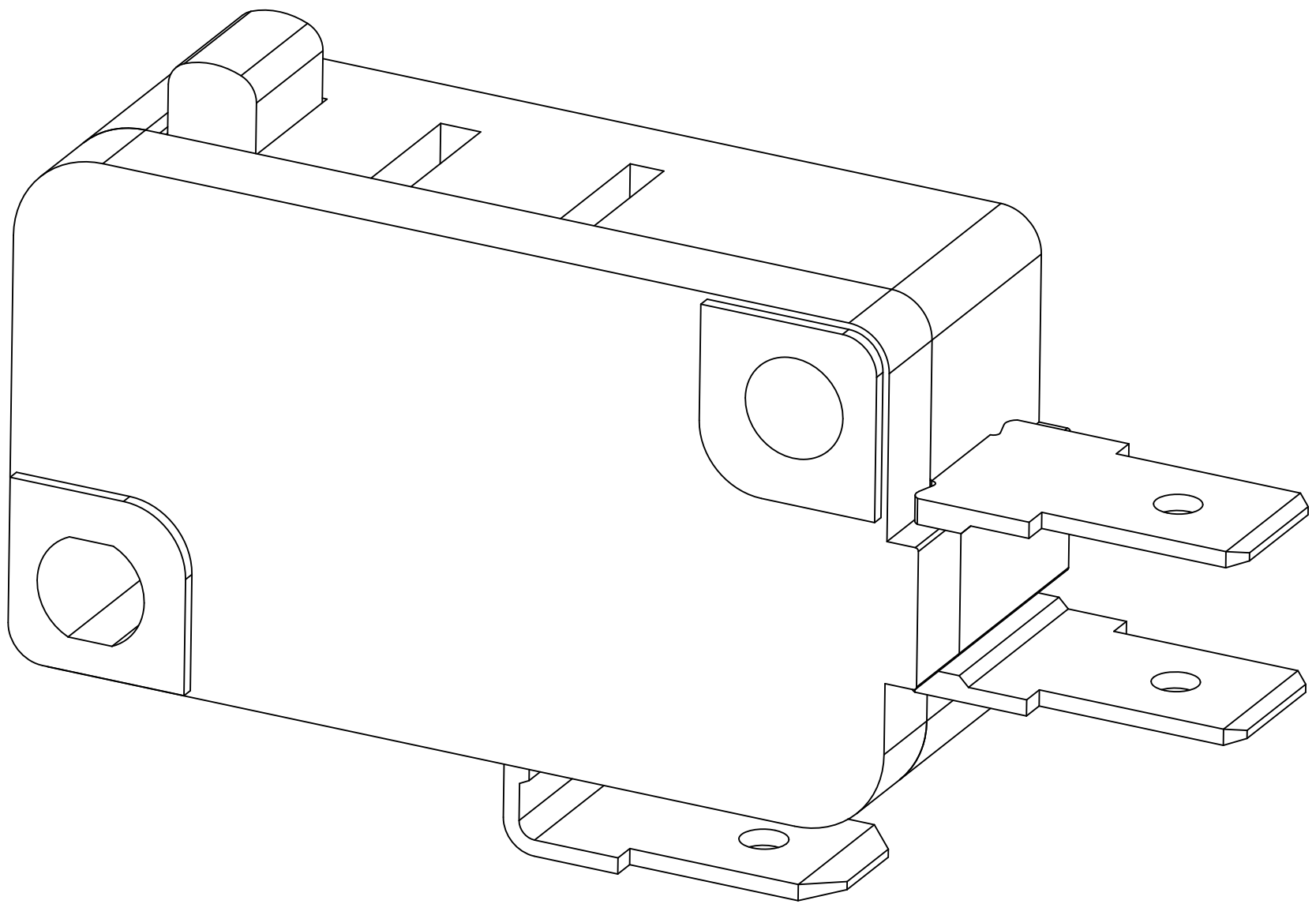
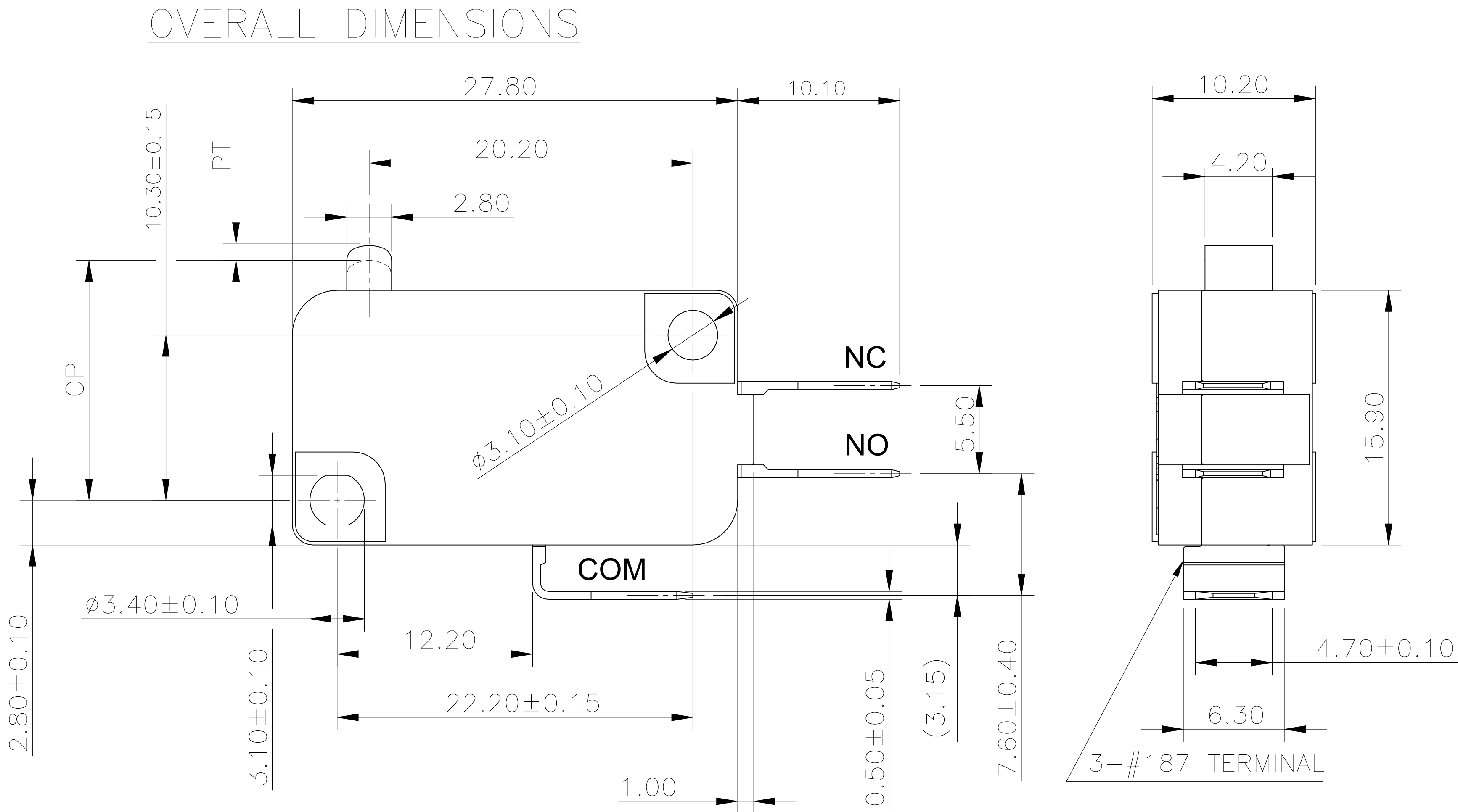
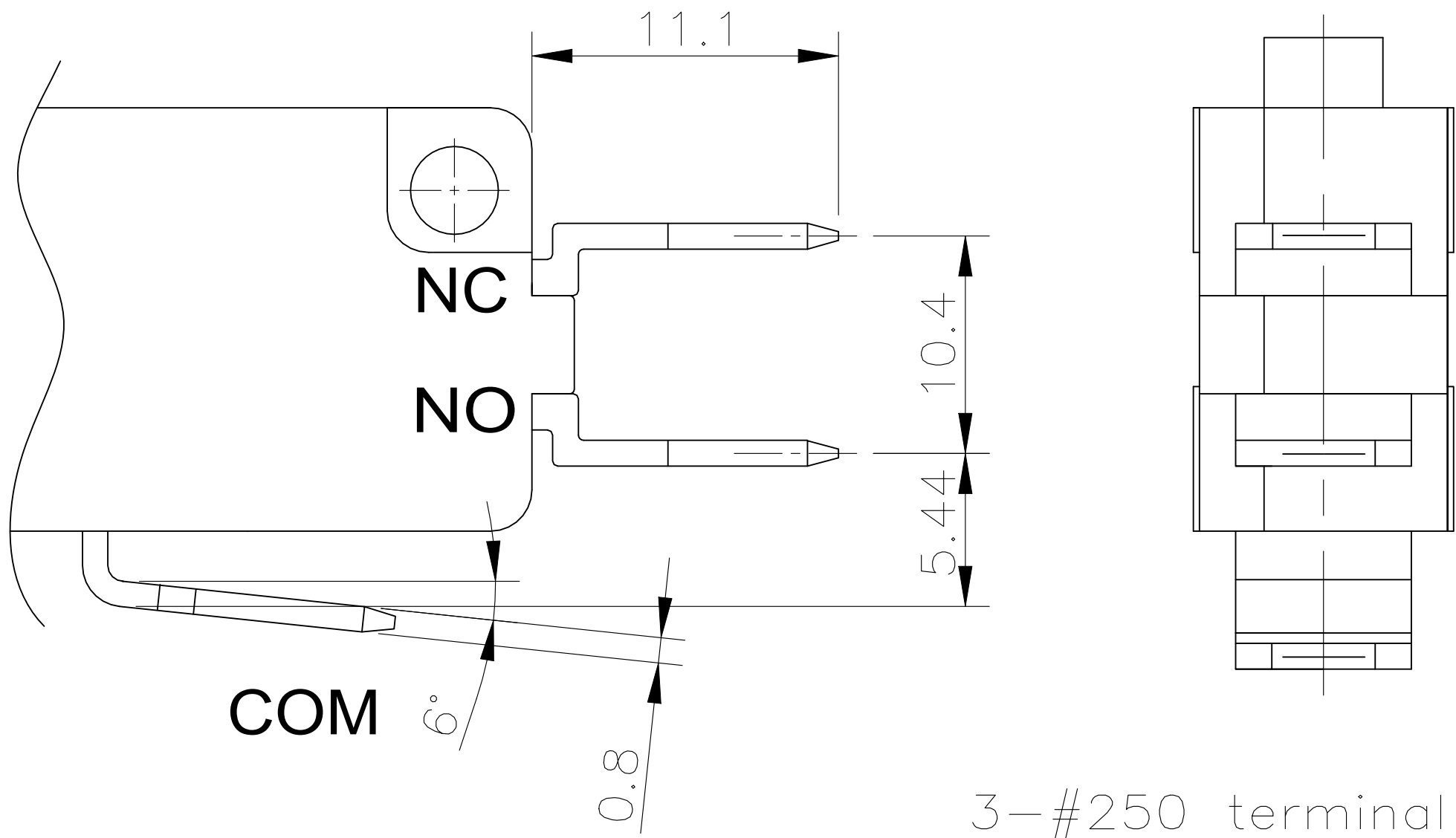
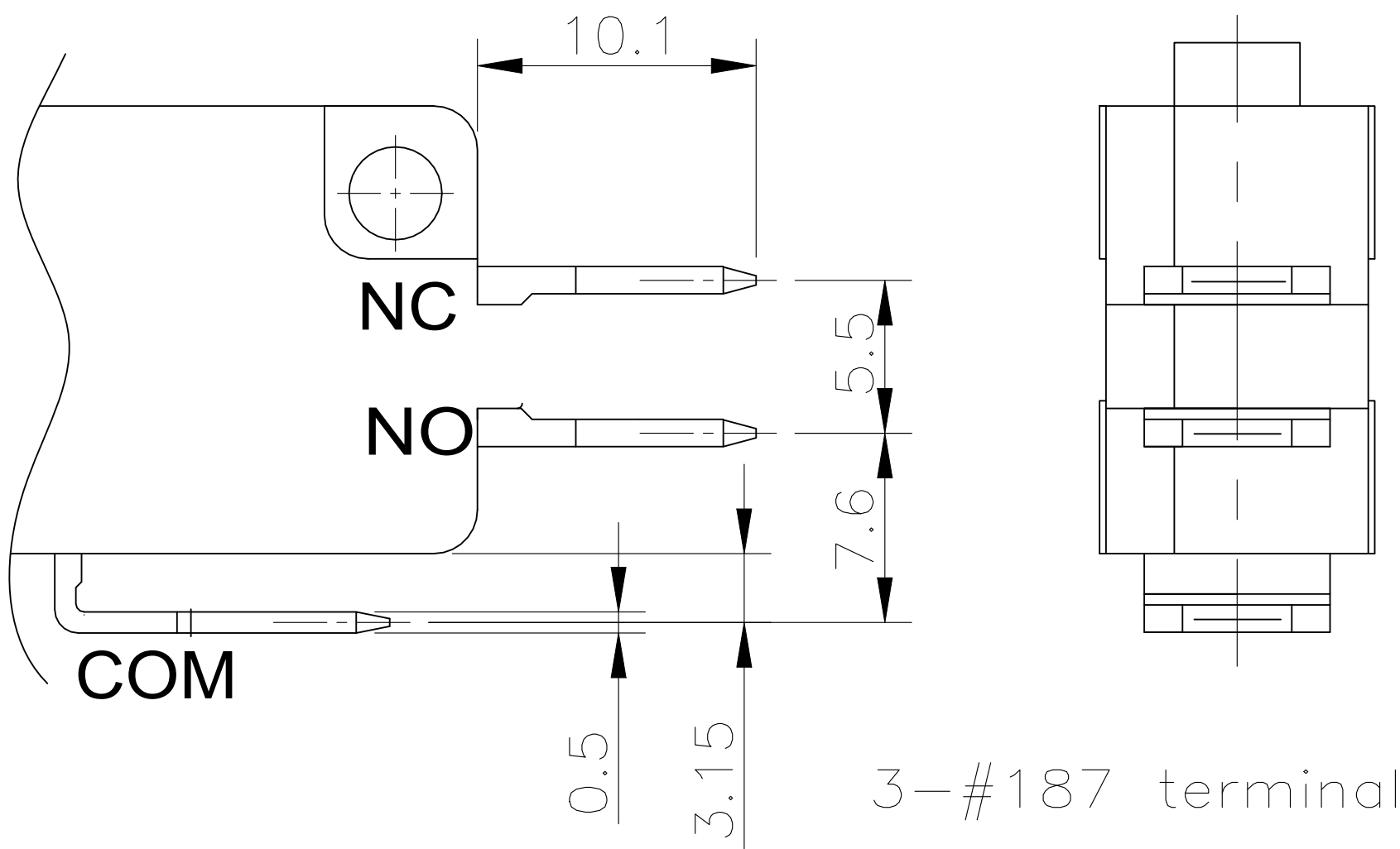


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
1		NEW DRAWING	03MAY2023	LP	MY



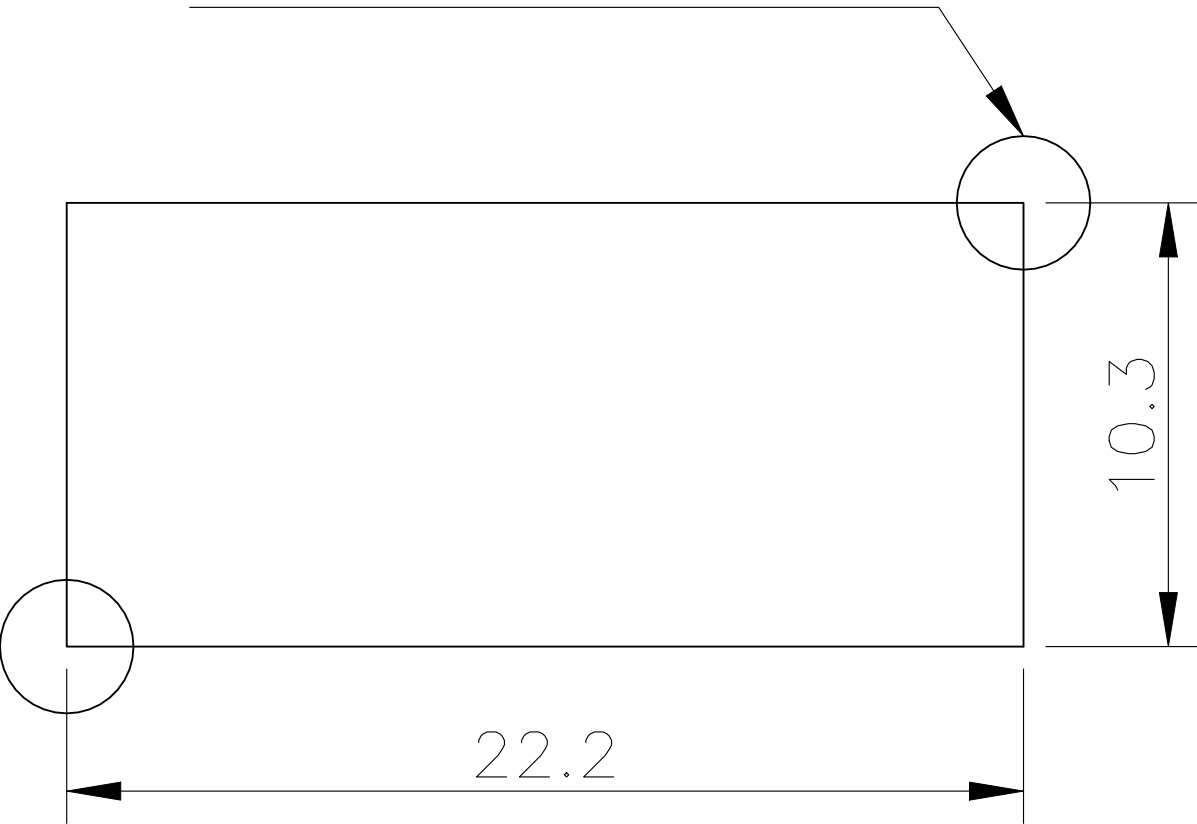
D TYPE
187 SERIES, STRAIGHT (0.5T)

E TYPE
250 SERIES, DOG-LEG (0.8T)



MOUNTING HOLES

2-Ø3.1 MOUNTING HOLES
OR M3 SCREW HOLES



THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN LINGANATHAN P.	03MAY2023	 TE Connectivity				
			CHK MANOJ YADAV	03MAY2023					
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0. PLC ± - 1. PLC ± - 2. PLC ± - 3. PLC ± - 4. PLC ± - ANGLES ± - FINISH -	APVD MANOJ YADAV	03MAY2023	NAME	20 A HIGH CURRENT SNAP ACTION SWITCH			
			PRODUCT SPEC		-				
			APPLICATION SPEC		-				
			SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO			
			A1		00779	C2435261	-		
MATERIAL	-		WEIGHT	-	CUSTOMER DRAWING				
			SCALE		1:1	SHEET	1 OF 3	REV	1

8

7

6

5

4

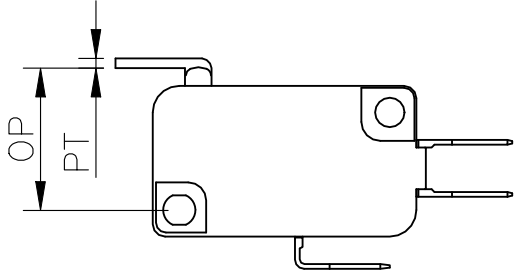
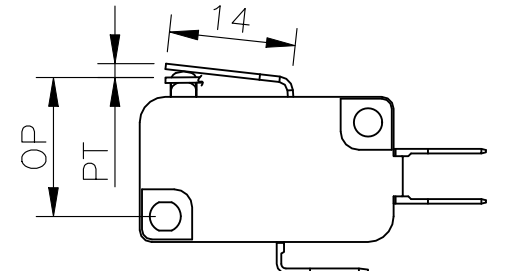
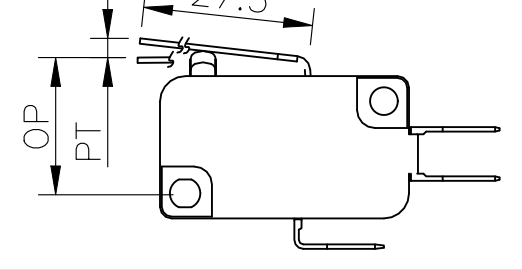
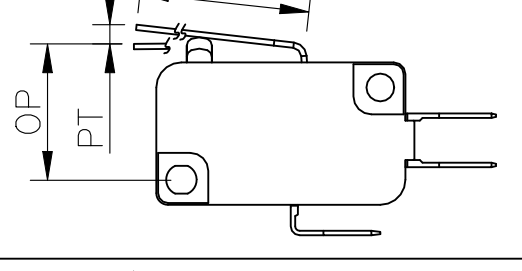
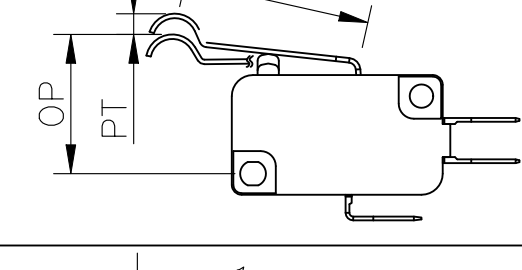
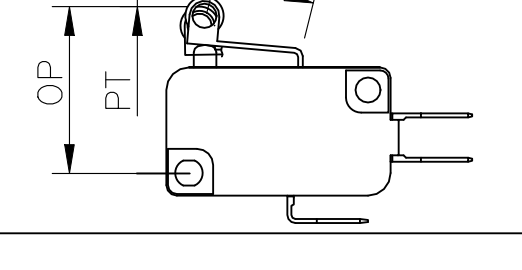
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2

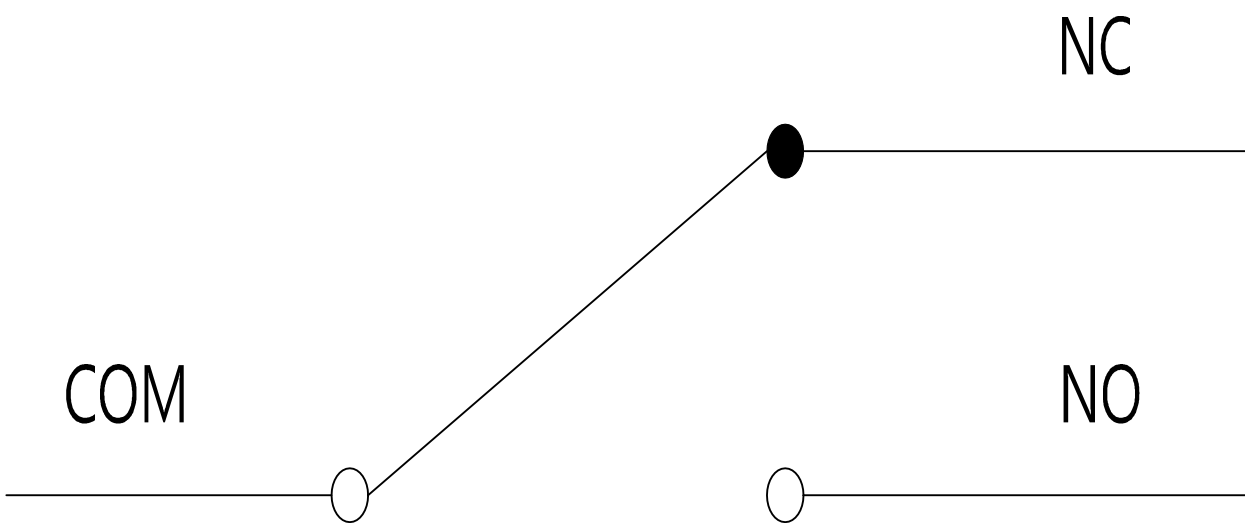
1

TE Connectivity. All Rights Reserved.

OPERATING CHARACTERISTICS

SWITCH TYPE	PART SUFFIX	OPERATING FORCE MAX. OF Max. (gf)	OPERATING POSITION OP (mm)	PRE-TRAVEL MAX. PT MAX. (mm)	OVER-TRAVEL MIN. OT MIN. (mm)	MOVEMENT DIFFERENTIAL MAX. MD MAX. (mm)
		H				
HCP20DTD0□04		300	14.7±0.5	1.9	1.0	0.4
HCP20DTD1□04		290	15.3±0.5	2.8	1.0	0.5
HCP20DTD2□04		160	15.3±1.1	5.9	1.2	1.0
HCP20DTD3□04		95	15.3±2.4	9.3	—	2.1
HCP20DTD4□04		175	18.7±1.3	5.5	1.9	1.1
HCP20DTD5□04		310	20.7±0.6	2.7	1.1	0.45

CONTACT CONFIGURATION

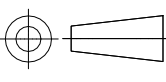


HCP20DTE5H04	HCP Series 20A, Heavy Force, 0.250 Terminal, Short Roller	1-2435261-2	12
HCP20DTD5H04	HCP Series 20A, Heavy Force, 0.187 Terminal, Short Roller	1-2435261-1	11
HCP20DTE4H04	HCP Series 20A, Heavy Force, 0.250 Terminal, Simulated Roller	1-2435261-0	10
HCP20DTD4H04	HCP Series 20A, Heavy Force, 0.187 Terminal, Simulated Roller	2435261-9	9
HCP20DTE3H04	HCP Series 20A, Heavy Force, 0.250 Terminal, Extended Lever	2435261-8	8
HCP20DTD3H04	HCP Series 20A, Heavy Force, 0.187 Terminal, Extended Lever	2435261-7	7
HCP20DTE2H04	HCP Series 20A, Heavy Force, 0.250 Terminal, Normal Lever	2435261-6	6
HCP20DTD2H04	HCP Series 20A, Heavy Force, 0.187 Terminal, Normal Lever	2435261-5	5
HCP20DTE1H04	HCP Series 20A, Heavy Force, 0.250 Terminal, Small Lever	2435261-4	4
HCP20DTD1H04	HCP Series 20A, Heavy Force, 0.187 Terminal, Small Lever	2435261-3	3
HCP20DTE0H04	HCP Series 20A, Heavy Force, 0.250 Terminal, No Lever	2435261-2	2
HCP20DTD0H04	HCP Series 20A, Heavy Force, 0.187 Terminal, No Lever	2435261-1	1
TE SMART NUMBER	DESCRIPTION	TE PN	SL No.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0. PLC ± -

1. PLC ± -

2. PLC ± -

3. PLC ± -

4. PLC ± -

ANGLES ± -

FINISH -

DWN LINGANATHAN P. 03MAY2023

CHK MANOJ YADAV 03MAY2023

AP'D MANOJ YADAV 03MAY2023

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

NAME 20 A HIGH CURRENT SNAP ACTION SWITCH

SIZE A1

CAGE CODE 00779

DRAWING NO 2435261

RESTRICTED TO

SCALE 1:1

SHEET 2 OF 3

REV 1

TE Connectivity

20 A HIGH CURRENT SNAP ACTION SWITCH

2435261

1:1

2

3

1

4805 (1/15)

SPECIFICATIONS

1.

CONTACT RESISTANCE(INITIAL)
MAX. 300 MΩ
MEASURED BY OHM METER – OPEN VOLTAGE < 1VDC, DRIVER CURRENT –100 mA
2.

INSULATION RESISTANCE (AT 500 VDC / MINUTE)
MIN. 100 MΩ
3.

DIELECTRIC STRENGTH
MIN. 500VAC(50–60Hz)/MINUTE BETWEEN LIVE PARTS.
MIN. 1500VAC(50–60Hz)/MINUTE BETWEEN LIVE PARTS AND DEAD METAL PARTS
4.

OPERATING TEMPERATURE RANGE
–40°C TO 125°C (WITH NO ICING)
5.

VIBRATION
10~55Hz, DISPLACEMENT 0.75 MM (P–P)
6.

ELECTRICAL SERVICE LIFE
0.1A – MIN. 1,000,000 OPERATIONS
OTHERS RATING – MIN. 10,000 OPERATIONS
7.

ELECTRICAL OPERATING FREQUENCY
10~30 OPERATIONS PER MINUTE
8.

MECHANICAL SERVICE LIFE
MIN. 10,000,000 OPERATIONS
9.

MECHANICAL OPERATING FREQUENCY
120 OPERATIONS PER MINUTE
10.

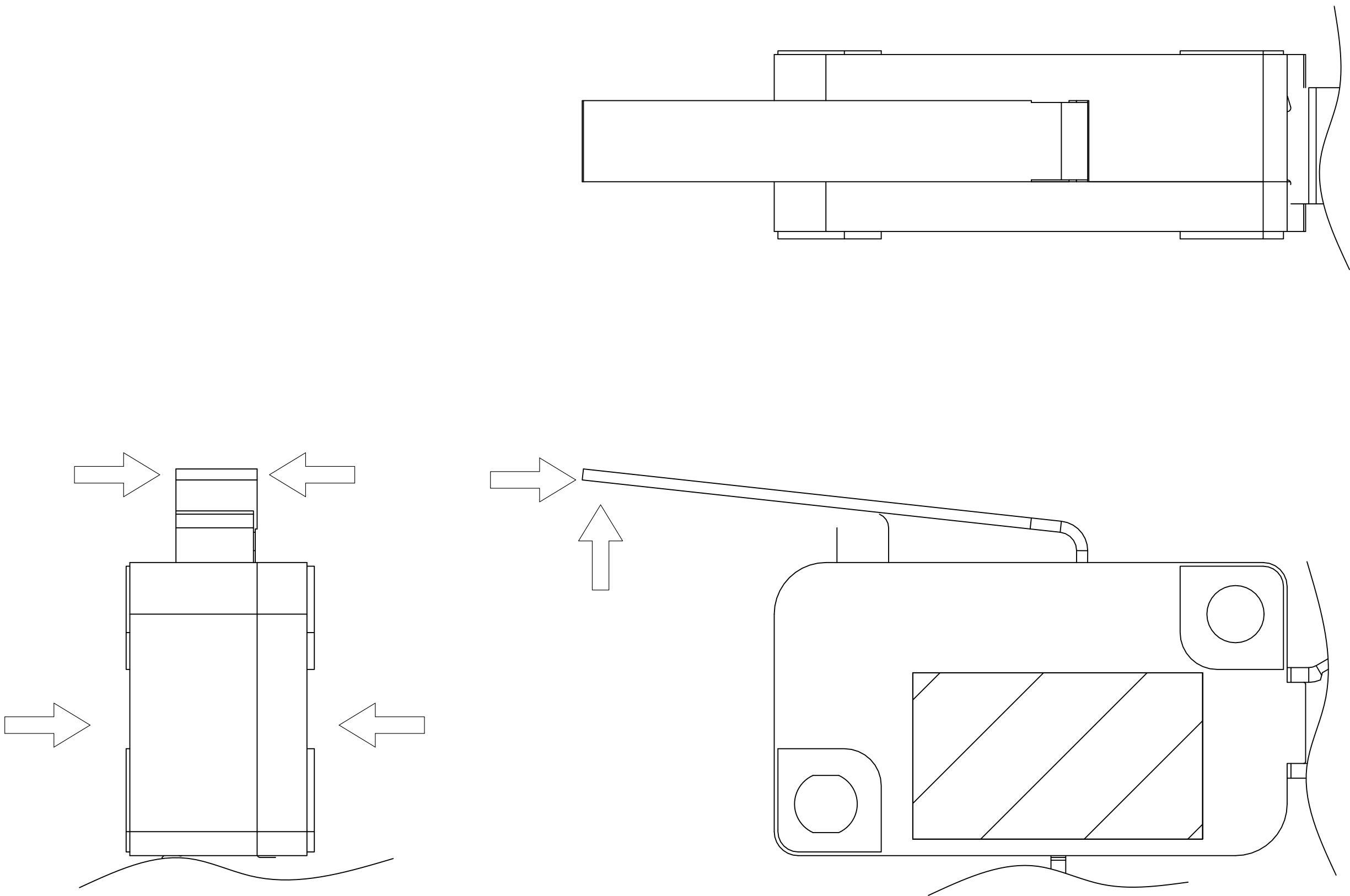
OPERATING APPLICATION OF THE SWITCH
SET THE SWITCH PUSHING DISTANCE FROM 60% TO 90% OF THE SPECIFIED OT VALUE

CAUTIONS:

1.

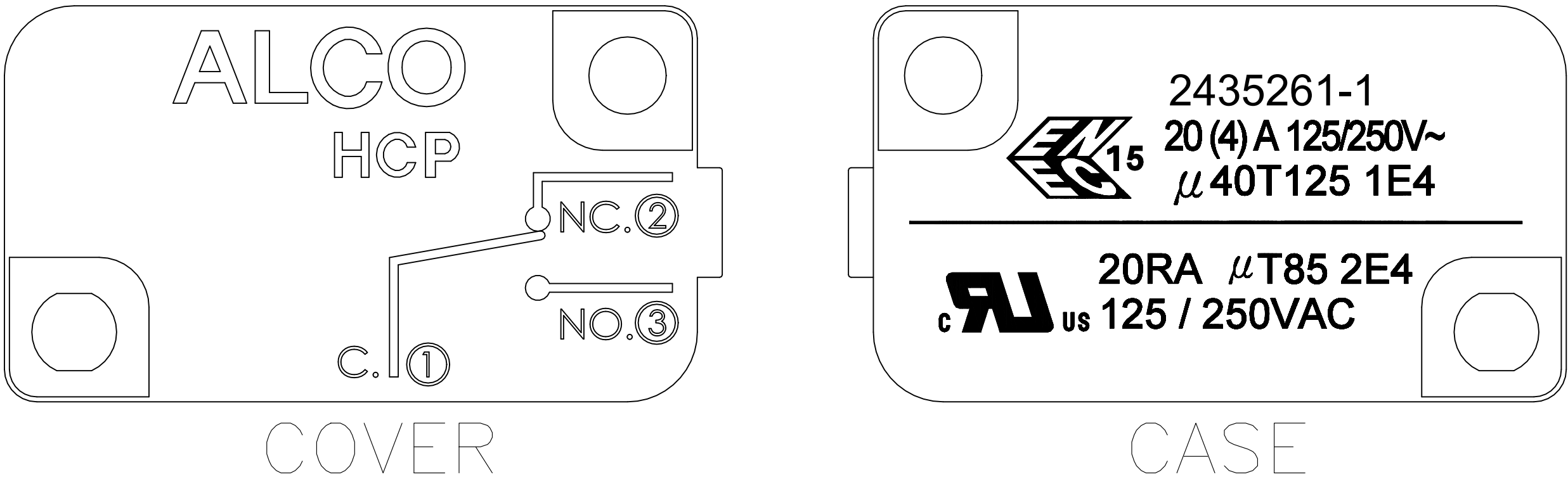
TO SECURE THE SWITCH, PLEASE USE AN M3 SMALL SCREW ON A FLAT SURFACE AND TIGHTEN WITH PLANE WASHERS OR SPRING WASHERS TO SECURELY MOUNT THE SWITCH, USING A MAXIMUM TORQUE OF 0.59 N•M.
2.

TO ENSURE THE BEST PERFORMANCE OF THE SWITCH, WHEN HANDLING/INSTALLING THE SWITCH, PLEASE DO NOT APPLY UNEVEN PRESSURE TO THE DIRECTION INDICATED BY THE ARROW IN (FIGURE –1). ANY UNEVEN PRESSURE OR PRESSURE DIRECTION OTHER THAN THE OPERATING DIRECTION MIGHT BE HARMFUL OR DAMAGE THE SWITCH PERFORMANCE.



FIGURE–1

MARKING DRAWING



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LINGANATHAN P 03MAY2023	TE Connectivity	
		CHK MANOJ YADAV 03MAY2023		
DIMENSIONS: mm		AP'D MANOJ YADAV 03MAY2023	NAME 20 A HIGH CURRENT SNAP ACTION SWITCH	
		TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	
		0. PLC ± - 1. PLC ± - 2. PLC ± - 3. PLC ± - 4. PLC ± - ANGLES ± -	APPLICATION SPEC	
MATERIAL -		FINISH -	WEIGHT -	RESTRICTED TO -
		SIZE A1		SIZE A1
		CAGE CODE 00779		CAGE CODE 00779
		DRAWING NO 2435261		DRAWING NO 2435261
		CUSTOMER DRAWING		CUSTOMER DRAWING
		SCALE 1:1		SCALE 1:1
		SHEET 3 OF 3		SHEET 3 OF 3
		REV 1		REV 1