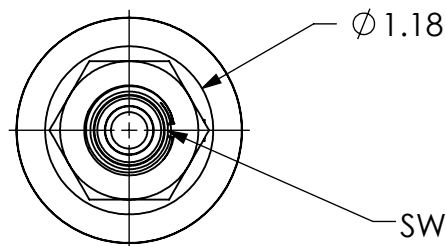


ZONE	REV.	REVISION DESCRIPTION	ECN NO.	DATE
C4 B2	C	ADDED SURFACE FINISH; ADDED NOTE 19; GML	ECO-385115	27-AUG-2020

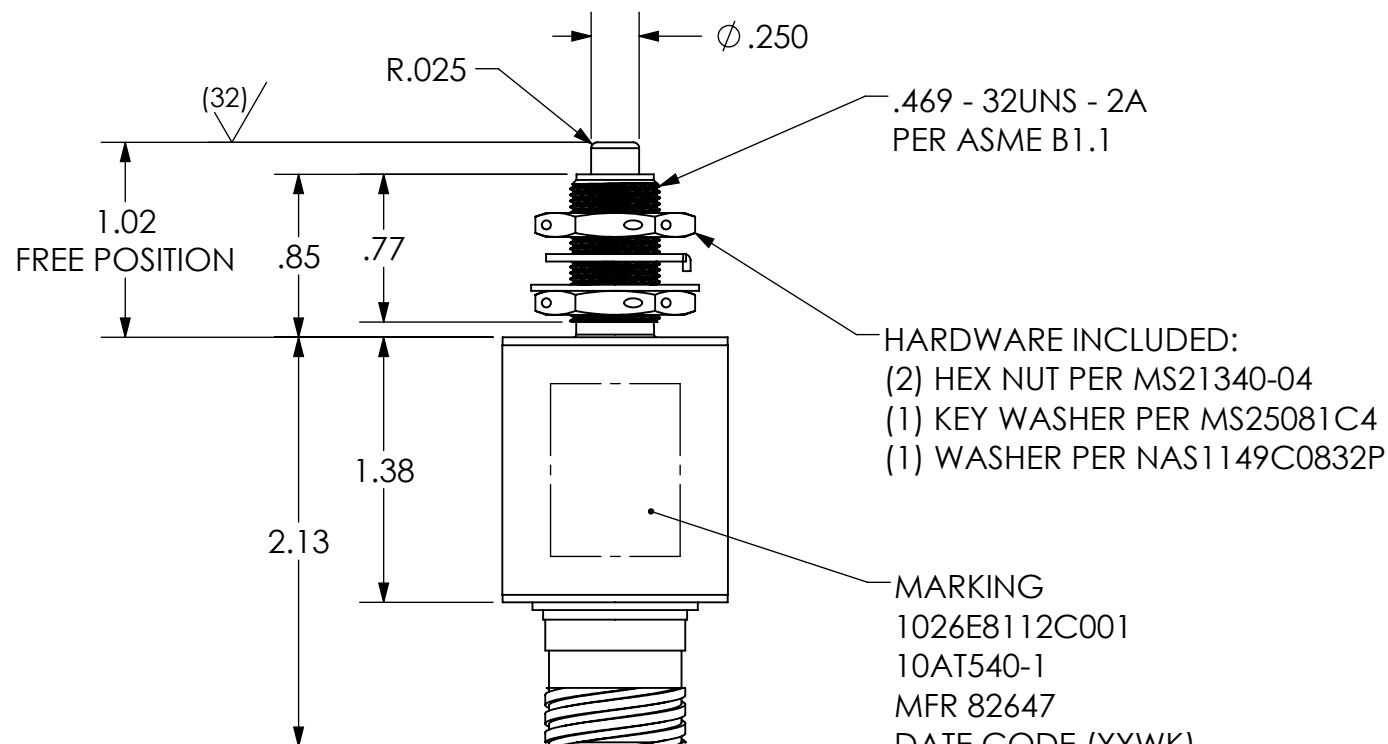
THIS SWITCH COMPLIES WITH THE REQUIREMENTS OF MIL-PRF-8805 EXCEPT AS LISTED HERE IN.

CHARACTERISTICS:

1. CONTACT ARRANGEMENT..... 4PDT
2. ACTUATION FORCE..... 9-12 LBS MIN
3. RELEASE FORCE..... 4 LBS MIN.
4. PRETRAVEL..... .020" - .030"
5. MOVEMENT DIFFERENTIAL..... .004" - .007"
6. OVERTRAVEL..... .125" MIN. (30 LBS MAX.)
7. TEMPERATURE RANGE..... -65°F TO +275°F
8. DIELECTRIC STRENGTH (.5 milli-AMPS MAX.):
 - 8.1. TERMINAL TO TERMINAL..... 800 VRMS MIN.
 - 8.2. TERMINAL TO CASE..... 1000 VRMS MIN.
9. INSULATION RESISTANCE (500 VDC +/- 10%)
 - 9.1. TERMINAL TO TERMINAL..... 100 MEG-OHMS MIN.
 - 9.2. TERMINALS AND CASE..... 100 MEG-OHMS MIN.
10. RATED LOAD..... 28 VDC (+/-5%)
 - 10.1. RESISTIVE (PINS 1-6 AND 10-12)..... 10 milli-AMPS MAX.
 - 10.2. INDUCTIVE (PINS 7-9)..... 1.5 AMP MAX.
11. CONTACT RESISTANCE (INITIAL)..... 50 milli-OHMS MAX.
 - 11.1. VOLTAGE DROP @ 100 milli-AMP/28 VDC (+/-5%)..... 5 mV MAX.
12. WEIGHT (INCLUDING HARDWARE)..... 7 Oz MAX.
13. SWITCH BASIC MEETS MIL-PRF-8805/68-022 (HERMETIC)
14. SWITCH MEETS COLLINS AEROSPACE EPS1026E8001.
 - 14.1 LIFE AT RESISTIVE LOAD..... 54,224 CYCLES MIN.
 - 14.2 LIFE AT INDUCTIVE LOAD..... 27,112 CYCLES MIN.
 - 14.3 MECHANICAL LIFE..... 54,224 CYCLES MIN.
 - 14.4 VIBRATION (RANDOM) PER MIL-PRF-8805..... 11.95 rms G (CAT-D)
 - 14.5 EMI (PLUNGER TO CONNECTOR)..... 800 milli-OHMS
 - 14.6 BONDING (BODY TO CONNECTOR)..... 2.5 milli-OHMS
 - 14.7 SWITCH PLUNGER SEAL MEETS MIL-PRF-8805 SYMBOL 4 (RESILIENT).
15. REFER TO FINAL ASSEMBLY 111191-1 FOR ADDITIONAL DETAILS.
16. SWITCH RECOMMENDED INSTALLATION TORQUE..... 45 +/-4 IN-LBS.
17. HARNESS INSTALLATION TORQUE 80 +/-5 IN-LBS.
18. THIS DESIGN IS FROZEN. CHANGES THAT WOULD AFFECT FIT/FORM/FUNCTION OF THE SWITCH REQUIRE COLLINS AEROSPACE PRIOR APPROVAL.
19. TO MINIMIZE BUTTON WEAR IT IS RECOMMENDED THAT THE LG MATING SURFACE HAS A SURFACE FINISH OF Ra63 MICRO-INCHES OR BETTER.



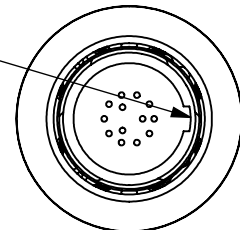
SWITCH KEYWAY
.075/.069 WIDE X
.037/.031 DEEP



HARDWARE INCLUDED:
(2) HEX NUT PER MS21340-04
(1) KEY WASHER PER MS25081C4
(1) WASHER PER NAS1149C0832P

MARKING
1026E8112C001
10AT540-1
MFR 82647
DATE CODE (YYWK)
S/N: STM000X

D38999/25YB35PN
MAIN KEYWAY OF
CONNECTOR TO
ALIGN WITH SWITCH
KEYWAY, AS SHOWN



ELECTRICAL SCHEMATIC	PIN	28VDC
1 — 2	1	COMMON
3 — 4	2	NC
5 — 6	3	NO
7 — 8	4	COMMON
9 — 10	5	NC
11 — 12	6	NO
1 — 2	7	COMMON
3 — 4	8	NC
5 — 6	9	NO
7 — 8	10	COMMON
9 — 10	11	NC
11 — 12	12	NO

FOR REFERENCE ONLY. CHECK LATEST REVISION BEFORE USE. PARTS MADE TO THIS PRINT MUST CONFORM TO E9898 REV. E.	
DRAWN J.M./D.P. DATE 12-JUN-2020 ENGINEER J.MARIN DATE 12-JUN-2020 APPROVED S. MARQUIS DATE 12-JUN-2020 APPROVED BOB NABB DATE 12-JUN-2020	SENSATA TECHNOLOGIES PROPRIETARY AND CONFIDENTIAL. NEITHER THIS PRINT NOR THE INFORMATION CONTAINED HEREON IS TO BE USED AGAINST THE INTERESTS OF SENSATA TECHNOLOGIES OR AGAINST THE INTERESTS OF ANY OF ITS AFFILIATED COMPANIES OR WHOLLY OWNED SUBSIDIARIES. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES DECIMALS ANGLES X.XX ± .015 X.X° ± X.XXX ± .005
DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION

		529 PLEASANT STREET P.O. BOX 2964 ATTLEBORO, MA 02703	
TITLE NLG DOWN LOCK PLUNGER SWITCH ENVELOPE DRAWING			
SIZE B	DWG NO. 10AT540-1	REV. C	
SCALE 1:1	SOLIDWORKS	SHEET 1 OF 1	

600 SERIES

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X

DEVICE:

PROJECT: