TYPE 48–1 AND 48–2 SWITCH CODING CHART

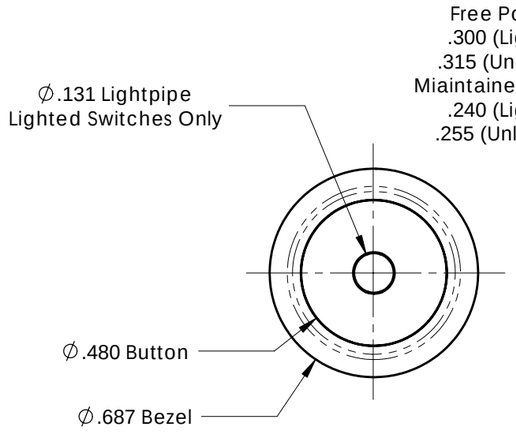
48–X		–XX		–X		–XX		–X	
SWITCH SERIES	SWITCH DESCRIPTION	BEZEL TYPE CODE	BEZEL DECSRIPTION	LED COLOR CODE	LED COLOR	BUTTON COLOR CODE	BUTTON COLOR	MOUNTING STYLE CODE	MOUNTING DESCRIPTION
48–1	MECHANICAL, MOMENTARY, SOLDER TERMINAL	RB	ROUND, BLACK	N	NO LED	R	RED	B	BUSHING
48–2	MECHANICAL, MAINTAINED, SOLDER TERMINAL	SB	SQUARE, BLACK	R	RED	GR	GREEN	S	SNAP–IN
–	–	RC	ROUND, CHROME	G	GREEN	BK	BLACK	–	–
–	–	SC	SQUARE, CHROME	Y	YELLOW	BL	BLUE	–	–
–	–	–	–	A	AMBER	YL	YELLOW	–	–
–	–	–	–	B	BLUE	OR	ORANGE	–	–
–	–	–	–	W	WHITE	CR	CHROME	–	–

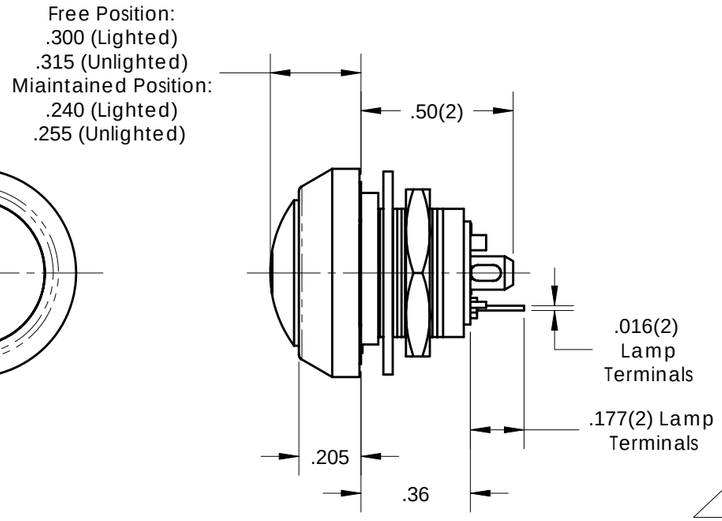
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REL. FOR PROD. PER ECN 28094	15 APR2005	M.S.P.
B	REV. PER ECN 28153	23 FEB 2006	M.S.P.
C	REV. PER ECN 28167	30 MAR 2006	M.S.P.
D	REVISED PER ECN 28169	13 APR 2006	M.S.P.

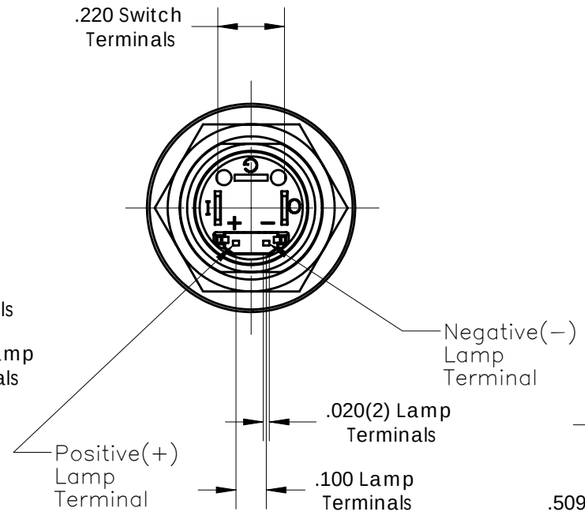
MECHANICAL CHARACTERISTICS:
SWITCH CIRCUITRY: SPST–NO–DB
SWITCH ACTION: MOMENTARY & MAINTAINED
BUTTON TRAVEL (NOMINAL): .09 in./2.3 mm
SWITCH LIFE:
MOMENTARY: 1,000,000 CYCLES Min.
MAINTAINED: 100,000 CYCLES Min.
OPERATING FORCE (NOMINAL): 3N/306g
CONTACT BOUNCE (NOMINAL): 1ms
PANEL THICKNESS:
BUSHING MOUNT: .02–.12 in./0.5–3.0mm
SNAP–IN MOUNT: .05–.12 in./1.3–3.0mm

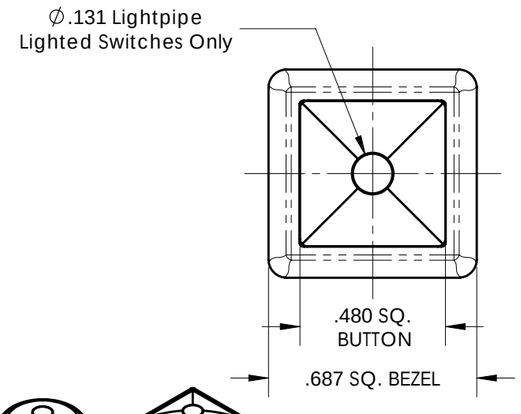
ENVIRONMENTAL SPECIFICATIONS:
ACTUATOR INGRESS PROTECTION: IP67
OPERATING TEMPERATURE: –40F TO +185F

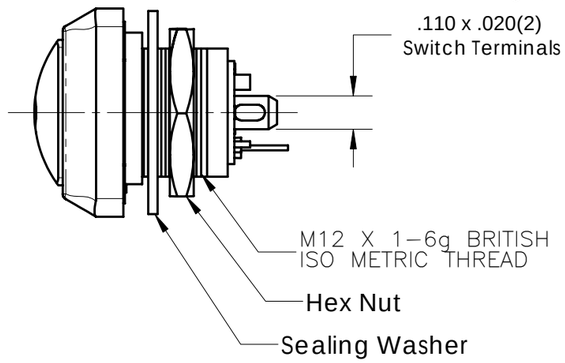
ELECTRICAL SPECIFICATIONS:
CURRENT RATING: 10 mA, 12 VDC Res.
DIELECTRIC STRENGTH: 1,000 VAC
INSULATION RESISTANCE: 1G OHM
CONTACT RESISTANCE: 50m OHMS
SWITCH LIFE: 1,000,000 CYCLES MIN.

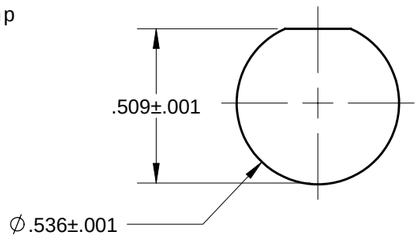




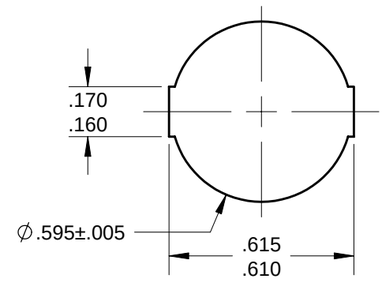




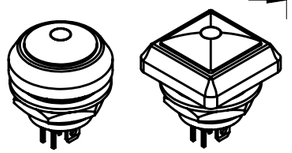




RECOMMENDED
PANEL CUT–OUT
BUSHING MOUNT



RECOMMENDED
PANEL CUT–OUT
SNAP–IN MOUNT



NOTE:
1. UNITS SUPPLIED WITH SEALING WASHER AND HEX NUT BULK PACKED.

RoHS Compliant		TOLERANCES UNLESS OTHERWISE NOTED 3 PLACE DECIMAL ± .010 2 PLACE DECIMAL ± .02 ANGULAR ± 1/2°	ITW Switches AN ILLINOIS TOOL WORKS COMPANY			
Yes ✓	No	DWG TITLE TYPE 48–1 & 48–2 SWITCH, MECH., SOLD. TERM.				
		DATE 15 APR 2005	REF: 48–1&48–2	SIZE B	DWG NO. 48–1 & 48–2	REV D
		DRAWN MSP / CHK MSP	APP'D MO / SUPV EJG	SCALE : 2:1	SHEET 1 OF 1	