



SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
2	MECHANICAL,MAINTAIN,SOLDER TERMINAL
B	MECHANICAL,MAINTAIN,NO/NO WIRELEADS
D	MECHANICAL,MAINTAIN,NC/NC WIRELEADS
F	MECHANICAL,MAINTAIN,NO/NC WIRELEADS

HOUSING MATERIAL CODE	HOUSING DECSRIPTION
1	STAINLESS STEEL
2	ZINC ALLOY CHROME PLATED
3	AL ALLOY ANODIZED BLACK

BUTTON TYPE CODE	BUTTON TYPE DESCRIPTION
0	NON- ILLUMINATION
1	CENTER SPOT ILLUMINATION
2	RING ILLUMINATION
3	POWER/STANDBY ILLUMINATION

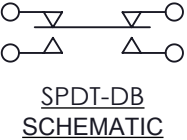
LED COLOR CODE	LED COLOR
N	NONE
R	RED
B	BLUE
G	GREEN
Y	YELLOW
W	WHITE

LED INLET VOLTAGE CODE		LED INLET VOLTAGE
NON- WIRELEADS	IF BLANK*	FOLLOW LED SPECIFICATION
WIRELEADS	IF BLANK*	FOLLOW LED SPECIFICATION
	05	5V
	12	12V
	24	24V

ANY CODE	DESCRIPTION
IF BLANK*	NA
XXX	PER CUSTOMER SPECIAL REQUEST

MECHANICAL CHARACTERISTICS:

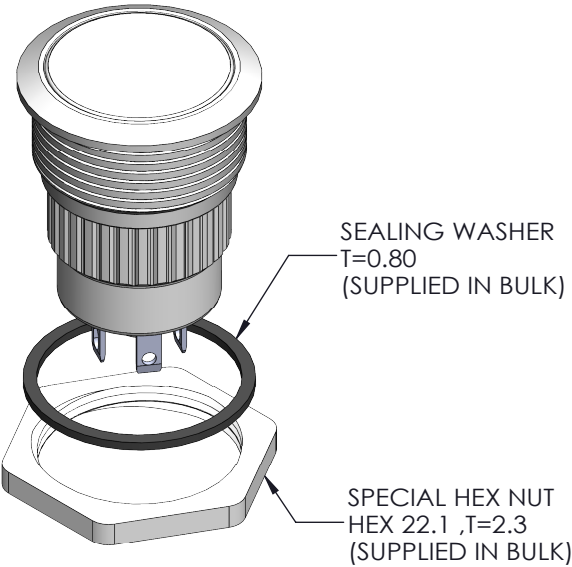
SWITCH CIRCUITRY: SPDT-DB
SWITCH ACTION: MAINTAINED (PER CHART)
PRE-TRAVEL: 1.27 mm NOMINAL
OVER-TRAVEL: 0.254 mm NOMINAL
TOTAL TRAVEL: 1.524 mm NOMINAL
OPERATING FORCE: 525 g [5.15N] NOMINAL
RELEASEING FORCE: 340 g [3.45N] NOMINAL
PANEL THICKNESS:
MOUNT: 0.5-4.5mm
CONTACTS: SILVER
NUT TORQUE FORCE: MAX 11.5 kgf*cm [10 LB



LED SPECIFICATION				
LED CODE	LED Color		Vf(VDC)	If (mA)
			Color	
R	RED		1.8 ~ 2.5	20
B	BLUE		2.8 ~ 3.5	20
G	GREEN		2.8 ~ 3.5	20
Y	YELLOW		1.8 ~ 2.5	20
W	WHITE		2.8 ~ 3.5	20

Notes:
 Hand Soldering Temperature (4mm above from Body) : 320°C for 3 seconds

WIRELEADS SPECIFICATION					
WIRELEADS TYPE	WIRELEADS SPECIFICATION	SW TERMINAL	SW TERMINAL	LED	
				COLOR	
		NO	NC	+	-
ILLUMINATION	AWG24 / UL1007	BLUE	YELLOW	RED	BLACK
NON-ILLUMINATION		BLUE	YELLOW	-	-



ELECTRICAL LIFE:
MAINTAINED: 5A@28VDC, 5A@125/250VAC, 25K CYCLES NOMINAL

ENVIRONMENTAL SPECIFICATIONS:
OPERATING TEMPERATURE: -40 °C to +85 °C[-40 °F to +185 °F]
IP67 COMPLIANT

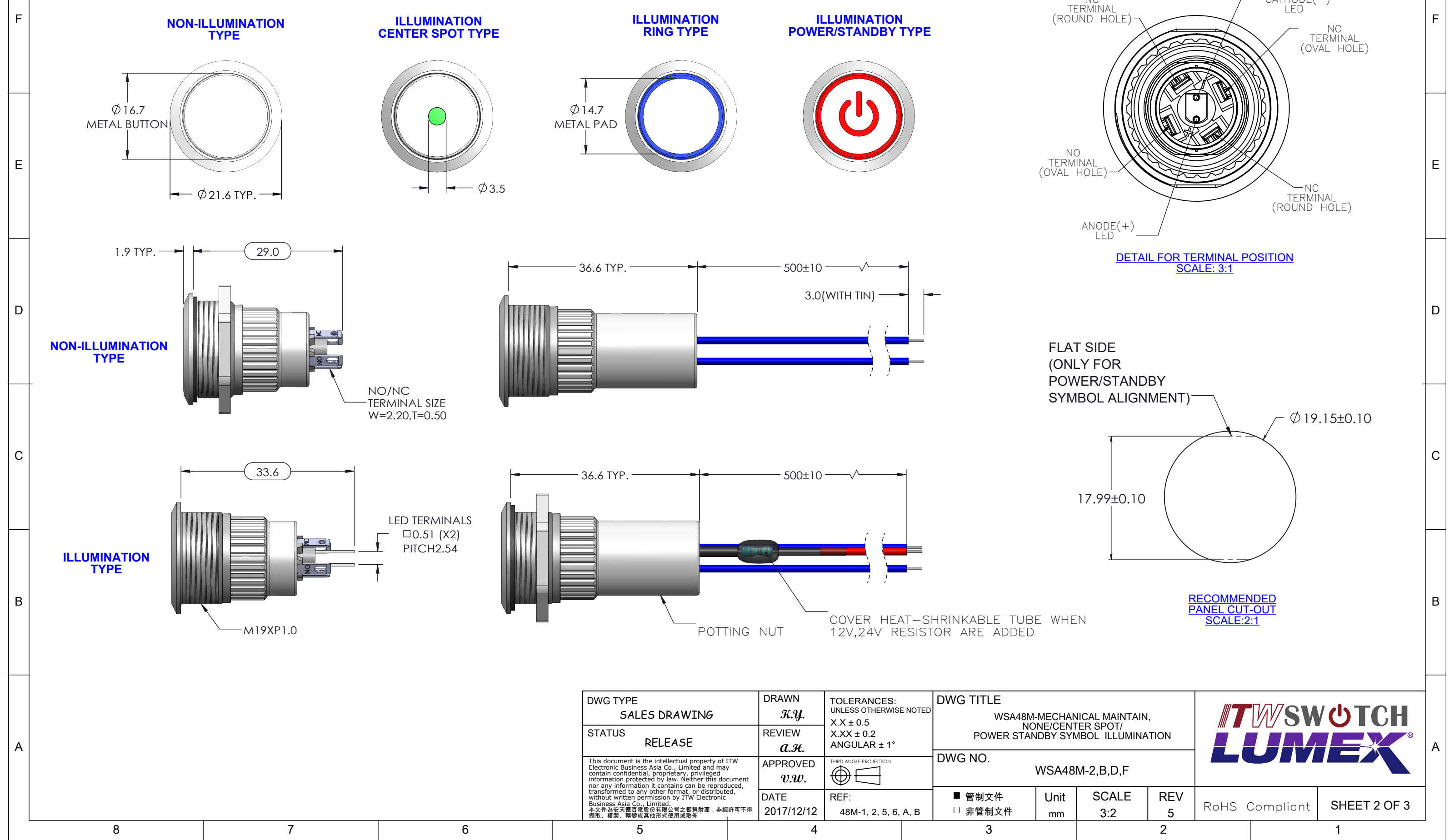
ELECTRICAL SPECIFICATIONS:
DIELECTRIC STRENGTH: 1,000VAC
INSULATION RESISTANCE: 1G OHM
CONTACT RESISTANCE:
50m / 250m OHMS MAX INITIAL(NON-WIRELEAD / WIRELEADS)

LED SPECIFICATIONS:
SEE LED SPECIFICATION

CERTIFICATION: UL 61058

* NOTE:
1.SUPPLY HEX NUT AND SEALING WASHER BULK IN PACKED

DWG TYPE SALES DRAWING	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ± 1°	DWG TITLE WSA48M-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION					
STATUS RELEASE	REVIEW <i>a.H.</i>		DWG NO. WSA48M-2,B,D,F					
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	DATE 2017/12/12	REF: 48M-1, 2, 5, 6, A, B						



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		DATE 2017/12/12	REF: 48M-1, 2, 5, 6, A, B	RoHS Compliant SHEET 2 OF 3				

DWG TYPE	DRAWN	TOLERANCES:	DWG TITLE				ITW SW TCH LUMEX®	
SALES DRAWING	K.Y.	UNLESS OTHERWISE NOTED						
STATUS	REVIEW	X.X ± 0.5 X.XX ± 0.2 ANGULAR ± 1°	WSA48M-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION					
RELEASE	A.H.							
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	V.W.							
	DATE	REF:	☒ 管制文件 ☐ 非管制文件	Unit	SCALE	REV		
2017/12/12	48M-1, 2, 5, 6, A, B		mm	3:2	5			