		8	}	7		6		5		4			3		
	_	WSA48M - 1 2 3 4 5 - 6													
					_										
	FL	WITCH JNCTION CODE	SWITCH FUNCTION DESCRIPTION		HOUSING MATERIAL CODE			ILLUMINATION TYPE DESCRIPTION		LED COLOR CODE	LED COLOR	LED INLET VOLT	AGE CODE	LED INLE VOLTAG	
		1 MECHANICAL,		OMENTARY, SOLDER TERMINAL	1	STAINLESS STEEL		NONILLUMINATION		Ν	NONE	NON-WIRELEADS	IF BLANK*	(SEE NOT	
E		Α	MECHANICAL,M	OMENTARY,NO/NO WIRELEADS	2	ZINC ALLOY, CHROME PLATED	1	CENTER SPOT ILLUMINA (STAINLESS HOUSING O	R	RED	WIRELEADS	IF BLANK*	(SEE NOT		
		С	MECHANICAL,M	OMENTARY,NC/NC WIRELEADS	3	AL ALLOY ANODIZED BLACK	2	RING ILLUMINATION		G		GREEN	05	5V	
		Е	MECHANICAL,M	OMENTARY,NC/NO WIRELEADS			3	POWER/STANDBY SYMBOL ILLU	В	BLUE	WIRELEADS	12	12V		
							. <u> </u>			Y	YELLOW		24	24V	
										w	WHITE				

## MECHANICAL CHARACTERISTICS: SWITCH CIRCUITRY: SPDT-DB

D

С

В

А

0\_\_\_\_\_ SWITCH ACTION: MOMENTARY (PER CHART)  $\frown$ PRE-TRAVEL: 1.27 mm NOMINAL OVER-TRAVEL: 0.254 mm NOMINAL TOTAL TRAVEL: 1.524 mm NOMINAL OPERATING FORCE: 525 g [5.15 N] NOMINAL RELEASEING FORCE: 340 g [3.45 N] NOMINAL PANEL THICKNESS: 0.5 - 4.5mm CONTACTS: SILVER NUT TORQUE FORCE: MAX. 11.5 kgf\*cm [ 10 LB\*in]

SPDT-D

#### SCHEMA

# ELECTRICAL LIFE: 5A@28VDC,25K CYCLES NOMINAL <u>MECHANICAL LIFE:</u> MOMENTARY: 1,000,000 CYCLES NOMINAL

ENVIROMENTAL 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:

8

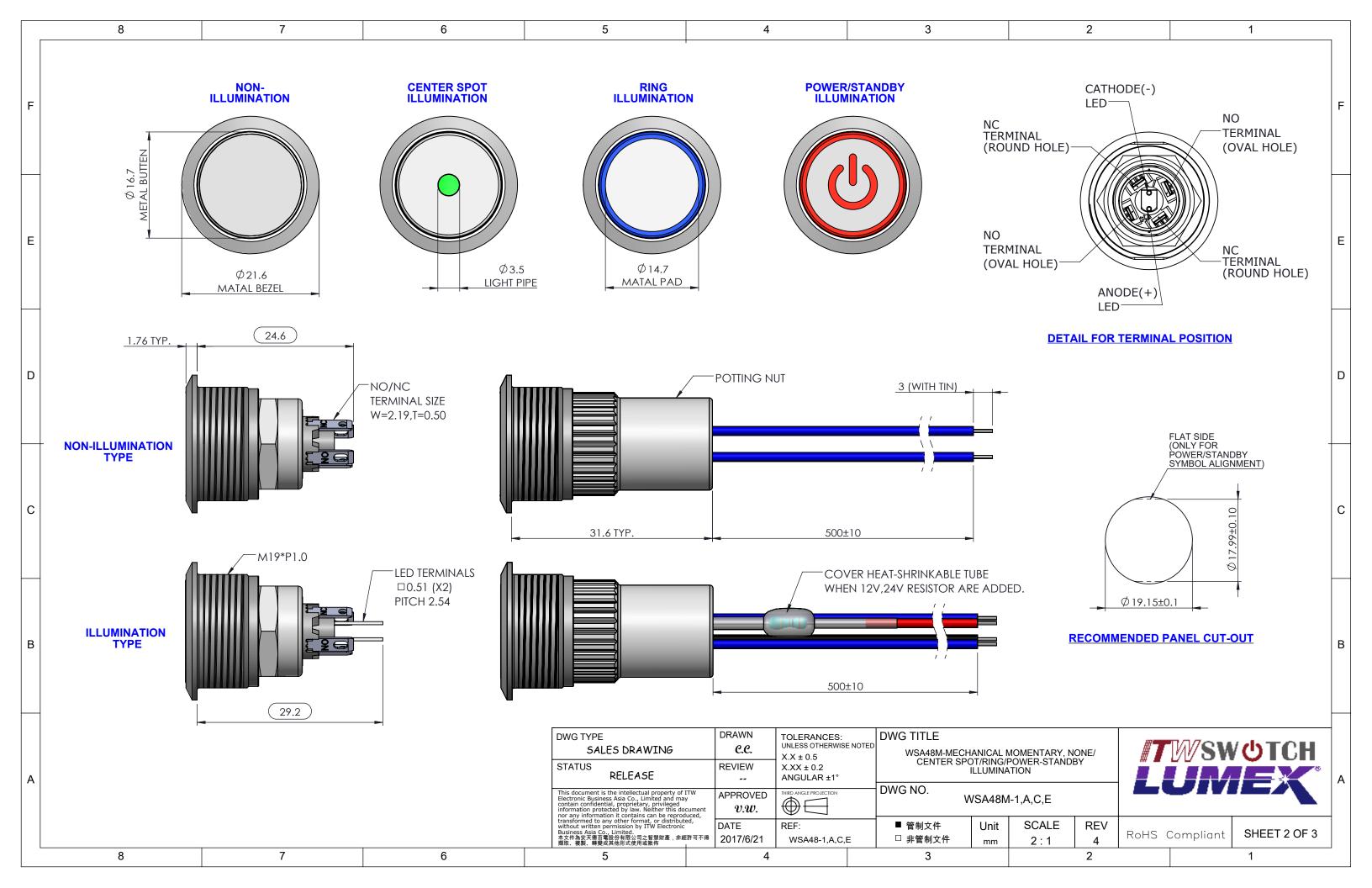
1.SUPPLY HEX NUT AND SEALING WASHER BULK IN PACKED

7

		LED SPECIFICATION			
LED CODE	LED Color	CIRCUITRY	Vf(VDC) Color	lf (mA)	
R	RED	7	1.8 ~ 2.5	20	
В	BLUE	7	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	

WIRELEADS SPECIFICATION										
	WIRELEADS	SW	SW	LED						
WIRELEADS TYPE	SPECIFICATION	TERMINAL	TERMINAL	COLOR						
		NO	NC	+	-					
ILLUMINATION	SW :AWG24 / UL1007	BLUE	YELLOW	RED	BLACK					
NON-ILLUMINATION	LED: AWG26/UL1007	BLUE	YELLOW	-	-					

6		5		4	4		3			2				1	$\neg$
- 1 2	3		5 - [	6											F
HOUSING DECSRIPTION	ILLU.     TYPE     ILLUMINATION TYPE DESCRIPTION     C       CODE     CODE     C     C				LED LED COLOR COLOR LED INLET VOLTAGE CODE LED INLET VOLTAGE						Y CODE	DESCRI	PTION		
STAINLESS STEEL	0 NONILLUMINATION		N	NONE	NON-WIRELEADS IF BLA		IF BLANK*	(SEE NC	TE) IF I	BLANK*	NA				
ZINC ALLOY, CHROME PLATED	1		OT ILLUMINATION S HOUSING ONLY)	R	R RED		IF BLAN		(SEE NC	DTE)	ххх	PER CUS <sup>-</sup> SPECIAL R			
AL ALLOY ANODIZED BLACK	2	2 RING ILLUMINATION			GREEN	WIREL	EADS	05	5V					_	
	3 POV	WER/STANDBY	SYMBOL ILLUMINATIO	ON B	BLUE			12	12V						E
					YELLOW			24	24V						
				w	WHITE										
O  -DB	LED SPECIFICATION   LED CODE LED CIRCUITRY Vf(VDC) If														D
<b>//ATIC</b>	LED CODE LED CIRCUITRY VI(VDC) II   R RED 7 1.8 ~ 2.5 20														
	B G Y W	BLUE GREE YELLC WHIT	<u>N</u> W		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						The			g washer	
	Notes: Hand So	Idering Tem	perature (4mm abo	ve from Bo	dy) : 320°C fo	or 3 seco	onds					5	T=0.80	ED IN BULK)	С
1			WIRELEADS	SPECIFIC	ECIFICATION										
1	WIRELEADS TYPE WIRELEADS SPECIFICATIO			SW TERMIN/	SW AL TERMIN		LED COLOR						HEX 22	AL HEX NUT 2.1 ,T=2.3 .IED IN BULK)	
				NO	NC			-							
0)		ILLUMINATION SW :AWG24 / UL1007 LED: AWG26/UL1007			BLUE YELLO		ED BLA	ACK							
S)	NON-ILLU	JMINATION		BLUE	YELLO	W	-	-							B
D	DV	NG TYPE		DRAWN	TOLERANCES		DWG TII	LE							
		SALES D	С.С.	UNLESS OTHERW X.X ± 0.5	ISE NOTED	WS	A48M-MEC		MOMENTARY	, NONE/ NDBY		W/SV	V <b>U</b> TCH		
	ST	REL	EASE	REVIEW	X.XX ± 0.2 ANGULAR ±1°				ILLUMIN	G/POWER-STANDBY NATION					A
	This document is the intellectual property of ITW Electronic Business Asia Co., Limited and may contain confidential, proprietary, privileged information protected by law. Neither this document nor any information it contains can be reproduced,			APPROVED <i>V.W.</i>			DWG NC		WSA48	3M-1,A,C,E					
	trai witi Bus 本文 頫印	usformed to any othe chout written permissi siness Asia Co., Limite 女件為安天德百電股份有限 取、複製、轉變成其他形式	on by ITW Electronic	DATE 2017/6/21	REF: WSA48-1,4	A,C,E	■ 管制 □ 非管		Unit mm	SCALE 2 : 1	REV 4	RoHS (	Compliant	SHEET 1 OF 3	
6		5		4				3			2	I		1	
	•														



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Authorized Distributor

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