

WSA48M—

1

2

3

4

5

6

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*in]

ELECTRICAL LIFE:
MAINTAINED: 5A@28VDC,25K 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:
1.SUPPLY HEX NUT AND SEALING WASHER BULK IN PACKED

SPDT-DB SCHEMATIC

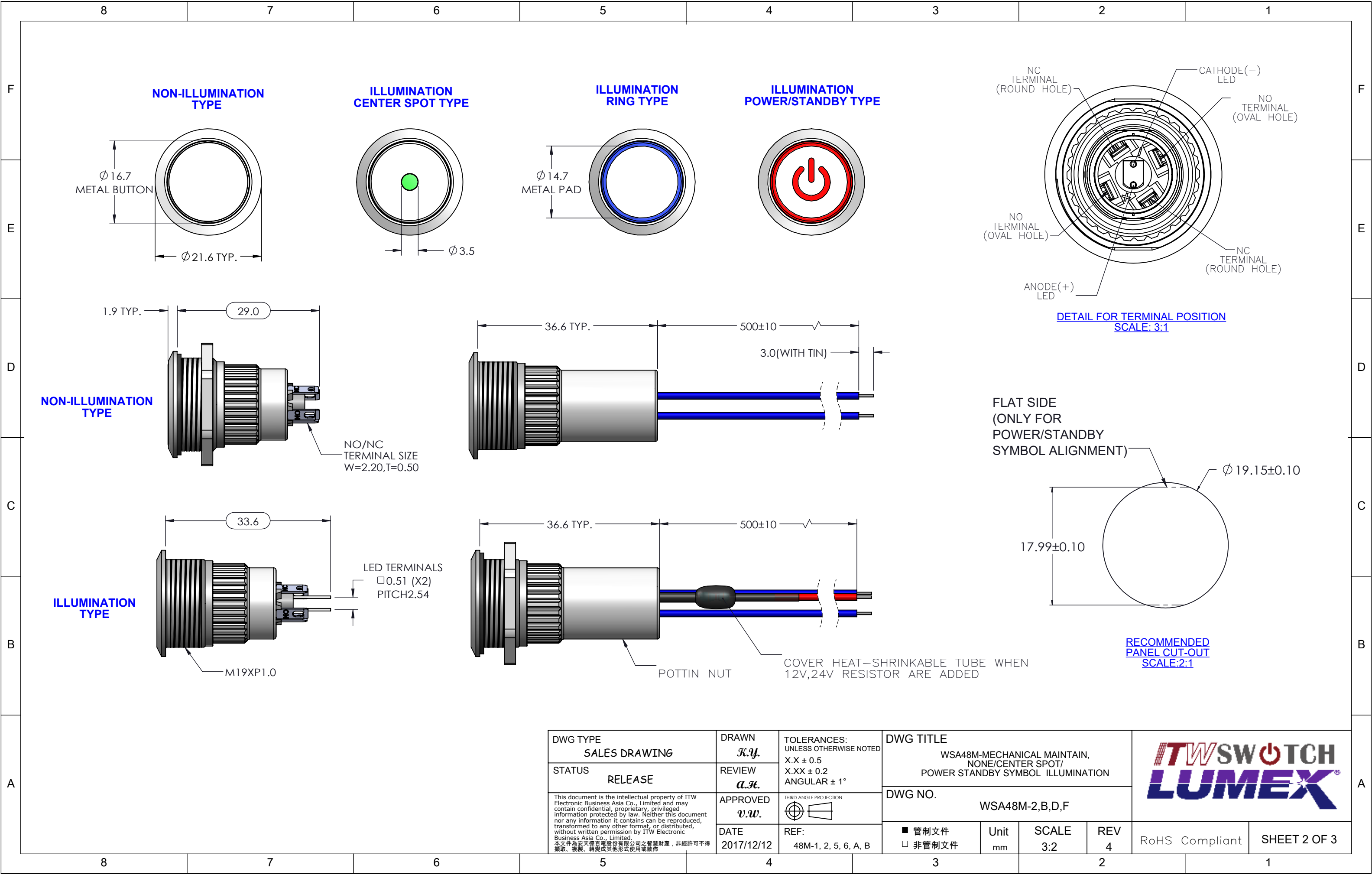
LED SPECIFICATION				
LED CODE	LED Color	CIRCUITRY	Vf(VDC) Color	If (mA)
R	RED		1.8 ~ 2.5	20
B	BLUE		2.8 ~ 3.5	20
G	GREEN		2.8 ~ 3.5	20
Y	YELLOW		1.8 ~ 2.5	20
W	WHITE		2.8 ~ 3.5	20
Notes: Hand Soldering Temperature (4mm above from Body) : 320°C for 3 seconds				

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	-	-

SEALING WASHER
T=0.80
(SUPPLIED IN BULK)

SPECIAL HEX NUT
HEX 22.1 ,T=2.3
(SUPPLIED IN BULK)

DWG TYPE SALES DRAWING	DRAWN K.Y.	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 A.H.		DWG NO. WSA48M-2,B,D,F					
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, transformed to any other format, or distributed, without written permission by ITW Electronic Business Asia Co., Limited. 本文作為安達電子電股份有限公司之智慧財產，非經許可不得翻取、複製、轉變成其他形式使用或散佈		APPROVED V.W.	THIRD ANGLE PROJECTION 					
	DATE 2017/12/12	REF: 48M-1, 2, 5, 6, A, B	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 3:2	REV 4	RoHS Compliant	SHEET 1 OF 3



DWG TYPE SALES DRAWING	DRAWN K.Y.	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 a.H.		DWG NO. WSA48M-2,B,D,F								
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, transformed to any other format, or distributed, without written permission by ITW Electronic Business Asia Co., Limited. 本文作為安達電子電器股份有限公司之智慧財產，非經許可不得翻印、複製、轉變成其他形式使用或散佈			THIRD ANGLE PROJECTION 		■ 管制文件 □ 非管制文件		Unit mm	SCALE 3:2	REV 4	RoHS Compliant	SHEET 2 OF 3
			APPROVED v.w.								
DATE 2017/12/12	REF: 48M-1, 2, 5, 6, A, B										

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[WSA48M-B13W12](#)