

SA48M—

①

②

③

④

⑤

⑥

SWITCH FUNCTION CODE

2

MECHANICAL,MAINTAIN,SOLDER TERMINAL

SWITCH FUNCTION CODE

B

MECHANICAL,MAINTAIN,NO/NO WIRELEADS

SWITCH FUNCTION CODE

D

MECHANICAL,MAINTAIN,NC/NC WIRELEADS

SWITCH FUNCTION CODE

F

MECHANICAL,MAINTAIN,NO/NC WIRELEADS

HOUSING MATERIAL CODE

1

STAINLESS STEEL

HOUSING MATERIAL CODE

2

ZINC ALLOY CHROME PLATED

HOUSING MATERIAL CODE

3

AL ALLOY ANODIZED BLACK

BUTTON TYPE CODE

0

NON.-ILLUMINATION

BUTTON TYPE CODE

1

CENTER SPOT ILLUMINATION

BUTTON TYPE CODE

2

RING ILLUMINATION

BUTTON TYPE CODE

3

POWER/STANDBY ILLUMINATION

LED COLOR CODE

N

NONE

LED COLOR CODE

R

RED

LED COLOR CODE

B

BLUE

LED COLOR CODE

G

GREEN

LED COLOR CODE

Y

YELLOW

LED COLOR CODE

W

WHITE

LED INLET VOLTAGE CODE

NON-WIRELEADS

IF BLANK*

FOLLOW LED SPECIFICATION

LED INLET VOLTAGE CODE

WIRELEADS

IF BLANK*

FOLLOW LED SPECIFICATION

LED INLET VOLTAGE CODE

05

5V

LED INLET VOLTAGE CODE

12

12V

LED INLET VOLTAGE CODE

24

24V

ANY CODE

IF BLANK*

NA

ANY CODE

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

STATUS

RELEASE

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.
本文件為安天德百電股份有限公司之智慧財產，非經許可不得擴取、複製、轉變成其他形式使用或散佈

DRAWN

K.Y.

REVIEW

A.H.

APPROVED

V.W.

DATE

2017/12/12

TOLERANCES:

UNLESS OTHERWISE NOTED

X.X ± 0.5

X.XX ± 0.2

ANGULAR ± 1°

THIRD ANGLE PROJECTION

REF:

48M-1, 2, 5, 6, A, B

DWG TITLE

SA48M-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION

DWG NO.

SA48M-2,B,D,F

管制文件

非管制文件

Unit

mm

SCALE

3:2

REV

4

ITW SWITCH LUMEX

RoHS Compliant

SHEET 1 OF 3

