

8

7

6

5

4

3

2

1

W48- X - X - X - X - X - X

SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
1	MECHANICAL,MOMENTARY, SOLDER TERMINAL (LED WIRELEADS)
2	MECHANICAL,MAINTAINE, SOLDER TERMINAL (LED WIRELEADS)
5	MECHANICAL,MOMENTARY, P.C. TERMINAL (LED WIRELEADS)
6	MECHANICAL,MAINTAINE, P.C. TERMINAL (LED WIRELEADS)

BEZEL CODE	BEZEL DESCRIPTION
RB	ROUND,BLACK
SB	SQUARE,BLACK (ONLY FOR BUSHING MOUNTING)

ILLUMINATION CODE	LED COLOR DESCRIPTION
N	NO LED
R	RED
A	AMBER
Y	YELLOW
G	GREEN
B	BLUE
W	WHITE
RG	RED/BLUE
RB	RED/GREEN

BUTTON CODE (SEE NOTE3)	BUTTON COLOR DESCRIPTION
(H)BK	BLACK
(H)RD	RED
(H)GR	GREEN
(H)BL	BLUE
(H)YL	YELLOW
(H)OR	ORANGE
(H)WH	WHITE
PK	POWER/STANDBY BLACK (ONLY FOR ROUND BEZEL &BUSHING MOUNT)

MOUNTING CODE	MOUNTING STYLE DESCRIPTION
B	BUSHING
F	SNAP-FIT (ONLY FOR ROUND BEZEL)

LED VOLTAGE CODE	LED VOLTAGE DESCRIPTION
IF BLANK	SEE LED SPEC.
05	5V (SEE NOTE 4)

NON-ILL. HIGH BUTTON

ROUND BEZEL BUSING TYPE

MECHANICAL CHARACTERISTICS:

SWITCH CIRCUITRY: SPST-NO-DB

SWITCH ACTION: MOMENTARY AND MAINTAINED (PER CHART)

BUTTON TRAVEL: 2.3mm NOMINAL

OPERATING FORCE: 3N [306g] NOMINAL

PANEL THICKNESS:

BUSHING MOUNT: 0.5 - 3.0mm

SNAP MOUNT:1mm/2mm/3mm ±0.05

CONTACTS: GOLD PLATED

NUT TORQUE FORCE: MAX 6 kgf·cm[5.2 LB-in]

ENVIRONMENTAL SPECIFICATIONS:

ACTUATOR INGRESS PROTECTION: IP67

LIFE(MECHANICAL):

MOMENTRAY: 1,000K CYCLES

MAINTAINED : 50K CYCLES

OPERATING TEMPERATURE:

MOMENTARY: -40°C to +85°C

MAINTAINED :-40°C to +65°C

ELECTRICAL SPECIFICATIONS:

CURRENT RATINGS:

MOMENTRAY: 10mA@12VDC, 1,000K CYCLES NOMINAL

MAINTAINED : 50K CYCLES NOMINAL

DIELECTRIC STRENGTH: 1,000VAC

INSULATION RESISTANCE: 1G OHM

CONTACT RESISTANCE:

50m OHMS MAX INITIAL

CABLE: UL1007,AWG26

NOTE

1. CURRENT LIMITING RESISTOR IS REQUIRED
TO LIMIT LED FORWARD CURRENT TO 20mA

2. SUPPLY HEX NUT AND SEALING WASHER BULK PACKED.

3. HIGH-BUTTON OPTION, DENOTED (H), ONLY AVAILABLE FOR
ROUND BEZEL AND NON-ILL.TYPE. OMIT (H) FOR STANDARD BUTTON.

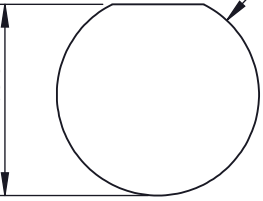
4. INNER RESISTOR ONLY FOR LED :RED / BLUE / GREEN / WHITE.

LED SPECIFICATION

LED CODE	LED SINGLE COLOR	Vf(VDC)	If (mA)	CIRCUITRY	
		TYP.			
R	RED	2.0	20	RED WIRELEADS (+)  BLACK WIRELEADS (-)	
A	AMBER	2.0	20		
Y	YELLOW	2.0	20		
G	GREEN	3.0	20		
B	BLUE	3.1	20		
W	WHITE	3.3	20	RED WIRELEADS (+)  BLACK WIRELEADS (-)	
LED CODE	BICOLOR LED		Vf(VDC)	If (mA)	CIRCUITRY
	COLOR1	COLOR2	TYP.		
RB	RED	BLUE	2.0(RED) 3.3(BLUE)	20	
RG	RED	GREEN	2.0(RED) 3.4(GREEN)	20	

REFERENCE PANEL CUT-OUT BUSHING MOUNT

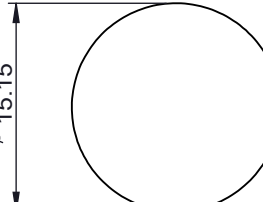
12.70
12.65



Ø 13.42
13.37

REFERENCE PANEL CUT-OUT SNAP FIT MOUNT

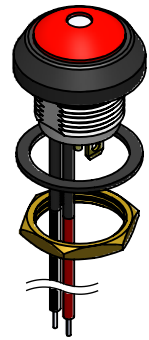
15.30
15.15



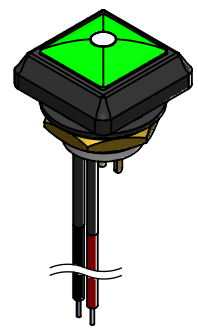
Ø 15.30
15.15

PANEL THICKNESS: 1.0mm , 2.0mm , 3.0mm±00.5

ROUND BEZEL BUSHING TYPE



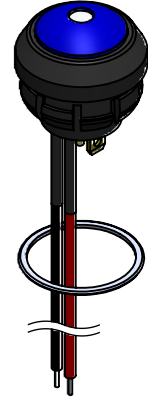
SQUARE BEZEL BUSHING TYPE



ROUND BEZEL BUSHING TYPE



ROUND BEZEL SNAP FIT TYPE



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

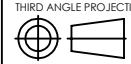
DRAWN
K.Y.

REVIEW
v.w.

APPROVED
v.w.

DATE

TOLERANCES:
UNLESS OTHERWISE NOTED
X.X ± 0.5
X.XX ± 0.25
ANGULAR ± 5°

THIRD ANGLE PROJECTION


REF:

DWG TITLE
W48- SERIES ,MECHANICAL
MOMENTARY/MAINTAINED

DWG NO.
W48-1,2,5,6

管制文件
非管制文件

Unit
mm

SCALE
-

REV
1

RoHS Compliant

SHEET 1 OF 3



8

7

6

5

4

3

2

1

Mouser Electronics

Authorized Distributor

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

Lumex:

[W48-1-RB-B-BK-B](#) [W48-1-RB-N-BK-B](#) [W48-1-RB-N-RD-B](#) [W48-1-RB-N-RD-F](#) [W48-1-RMC-N-WH-B](#) [W48-2-RB-N-BK-B](#) [W48-2-RB-N-BK-F](#)