

WS48M- X X X RGB XX

SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
A	MACHANICAL, MOMENTARY, WIRELEADS
B	MACHANICAL, MAINTAINED, WIRELEADS

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

ILLU. TYPE CODE	ILLUMINATION TYPE DESCRIPTION
1	CENTER SPOT ILLUMINATION
2	RING ILLUMINATION
3	POWER/STANDBY SYMBOL ILLUMINATION

LED COLOR CODE	LED COLOR
RGB	RED/GREEN/BLUE

LED INLET VOLTAGE CODE	LED INLET VOLTAGE
IF BLANK*	(SEE NOTE)
05	5V
12	12V
24	24V

MECHANICAL CHARACTERISTICS:  
 SWITCH CIRCUITRY: SPST-NO-DB (CONTACT FORM X)  
 SWITCH ACTION: MOMENTARY AND MAINTAINED (PER CHART)  
 BUTTON TRAVEL: 2.3mm [.090] NOMINAL  
 OPERATING FORCE: 306g [3N] NOMINAL  
 CONTACT BOUNCE: 1ms NOMINAL  
 PANEL THICKNESS: 0.5 - 4.5mm [.020 - .177]  
 CONTACTS: SILVER PLATED  
 NUT TORQUE FORCE: 11.5 kgf-cm [MAX 10 LB-in]

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

## ELECTRICAL SPECIFICATIONS:

CURRENT RATING:

MOMENTARY: 10mA@12VDC, 100K CYCLES

MAINTAINED: 20K CYCLES NOMINAL

DIELECTRIC STRENGTH: 1,000VAC

INSULATION RESISTANCE: 1G OHM

CONTACT RESISTANCE:

250m OHMS MAX INITIAL(WIRELEADS)

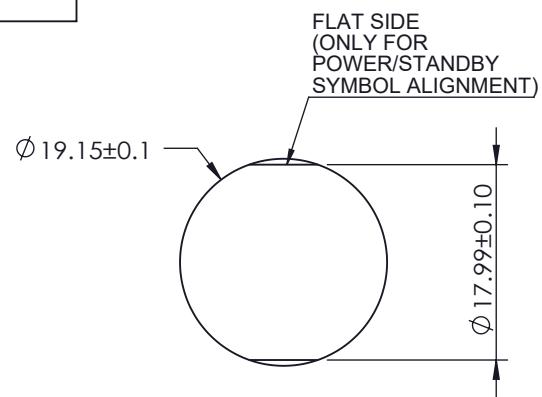
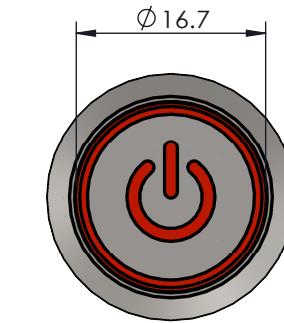
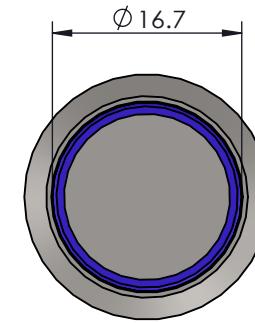
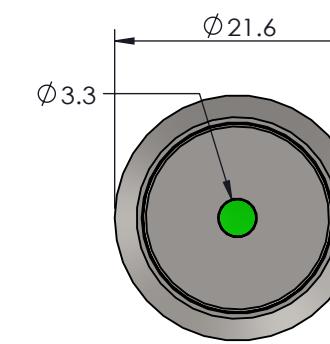
## NOTE

1. CURRENT LIMITING RESISTOR IS REQUIRED

TO LIMIT LED FORWARD CURRENT TO 20mA

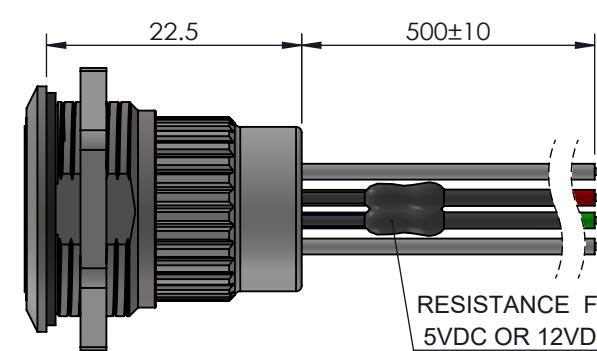
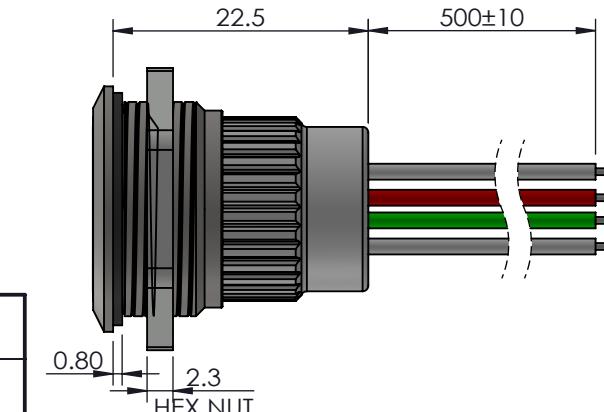
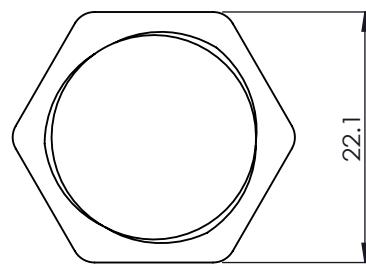
2. SUPPLY HEX NUT AND SEALING WASHER BULK PACKED.

LED SPECIFICATION					
LED CODE	LED Vf (VDC)			If (mA)	CIRCUITRY
	Color RED	Color GREEN	Color BLUE		
RGB (COMMON ANODE)	1.7 ~ 2.6	2.6 ~ 3.4	2.6 ~ 3.4	20	(RED) O---R---(GREEN) O---G---(BLUE) O---B---(YELLOW) O---COM
RGB05 (COMMON ANODE)	5	5	5	20	(RED) O---R---(GREEN) O---G---(BLUE) O---B---(YELLOW) O---COM
RGB12 (COMMON ANODE)	12	12	12	20	(RED) O---R---(GREEN) O---G---(BLUE) O---B---(YELLOW) O---COM
RGB24 (COMMON ANODE)	24	24	24	20	(RED) O---R---(GREEN) O---G---(BLUE) O---B---(YELLOW) O---COM



CENTER SPOT ILLUMINATION

RING ILLUMINATION

POWER/STANDBY SYMBOL  
ILLUMINATIONRECOMMENDED  
PANEL CUT-OUTRESISTANCE FOR  
5VDC OR 12VDC OR 24VDC

HEX NUT

WIRELEADS TYPE	WIRELEADS SPECIFICATION	SW TERMINAL		LED		
		/	O	COM(+)	RED	GREEN
ILLUMINATION	AWG26 / UL1007	WHITE	WHITE	YELLOW	RED	BLUE

DWG TYPE SALES DRAWING	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.25 ANGULAR ± 5°	DWG TITLE WS48M-MECHANICAL MOMENTARY/MAINTAIN, RGB ILLUMINATION
STATUS RELEASE	REVIEW <i>J.S.</i>	APPROVED <i>V.W.</i>	THIRD ANGLE PROJECTION
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		■ 管制文件 □ 非管制文件	Unit mm RoHS Compliant SHEET 1 OF 2

**ITW SWITCH LUMEX®**

**REVISION RECORD**

REV.	DESCRIPTION	DATE	DRAWN BY	DOCUMENT NO.
1	RELEASE FOR PRODUCTION	2022/02/18	K.Y./T.S.	DCN-202200015

DWG TYPE <b>SALES DRAWING</b>	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.25 ANGULAR ± 5°	DWG TITLE WS48M-MECHANICAL MOMENTARY/MAINTAIN, RGB ILLUMINATION			
STATUS <b>RELEASE</b>	REVIEW <i>J.S.</i>	APPROVED <i>V.W.</i>	DWG NO. WS48M-A,B-RGB			
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RoHS Compliant

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