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SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
1	MECHANICAL,MOMENTARY,SOLDER TERMINAL
A	MECHANICAL,MOMENTARY,NO/NO WIRELEADS
C	MECHANICAL,MOMENTARY,NC/NC WIRELEADS
E	MECHANICAL,MOMENTARY,NC/NO WIRELEADS

BEZEL TYPE DECSRIPTION
ROUND, MIRRO BLACK

LIHGTED CODE	DESCRIPTI ON
N	NONE
G	GREEN
R	RED
B	BLUE
W	WHITE
Y	YELLOW

BUTTON COLOR CODE (SEE NOTE 2)	DESCRIPTION OF BUTTON
(H)RD	RED
(H)GR	GREEN
(H)BK	BLACK
(H)BL	BLUE
(H)YL	YELLOW
(H)OR	ORANGE
(H)WH	WHITE

MOUNTING TYPE CODE	MOUNTING TYPE
B	BUSHING
F	SNAP FIT

LED INLET VOLTAGE CODE		LED INLET VOLTAGE
NON-WIRELEADS	BLANK*	SEE SEPC. TABLE
	BLANK*	SEE SEPC. TABLE
	05	5V
	12	12V
WIRELEADS	24	24V

ANY CODE	DESCRIPTION
IF BLANK	NA
XXX	PER CUSTOMER SPECIAL REQUEST

MECHANICAL CHARACTERISTICS:

SWITCH CIRCUITRY: SPDT-DB

SWITCH ACTION: MOMENTARY (PER CHART)

PRE-TRAVEL: 1.27 mm NOMINAL

OVER-TRAVEL: 0.254 mm NOMINAL

TOTAL TRAVEL: 1.524 mm NOMINAL

OPERATING FORCE: 525 g [5.15 N] NOMINAL

RELEASEING FORCE: 340 g [3.45 N] NOMINAL

PANEL THICKNESS:

BUSHING MOUNT: 0.5 - 3.0mm

SNAP MOUNT:1mm/2mm/3mm ±0.05

CONTACTS: SILVER

NUT TORQUE FORCE: MAX. 6 kgf*cm [5.2 LB*in]

ELECTRICAL LIFE:

5A@28VDC, 5A@125/250VAC , 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 /250 OHMS MAX. INITIAL (NON-WIRELEAD / WIRELEADS)

LED SPECIFICATIONS & WIRELEADS SPECIFICATIONS:

SEE LED SPECIFICATION

SEE WIRELEADS SPECIFICATION

CERTIFICATION: UL 61058

* NOTE:

1.SUPPLY HEX NUT AND SEALING WASHER BULK IN PACKED

2.HIGH-BUTTON OPTION, DENOTED (H), ONLY AVAILABLE FOR NON-ILL.TYPE.

OMIT (H) FOR STANDARD BUTTON.

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	SW :AWG24 / UL1007 LED: AWG26/UL1007	BLUE	YELLOW	RED	BLACK
NON-ILLUMINATION		BLUE	YELLOW	-	-

HIGH BUTTON TYPE

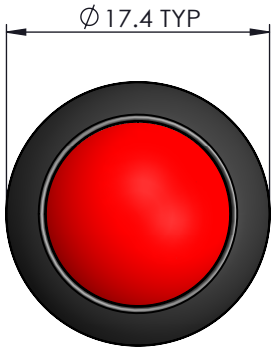
BUSHIG TYPE

SEALING WASHER (SUPPLIED IN BULK)

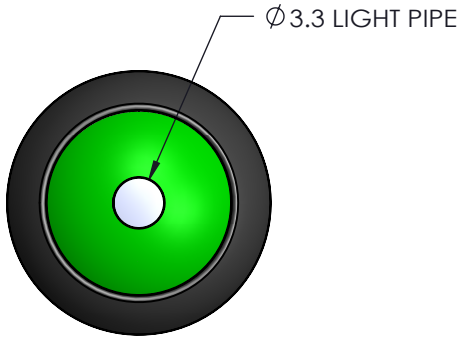
SPECIAL HEX NUT HEX 14.0, M12*P1.0 (SUPPLIED IN BULK)

DWG TYPE	SALES DRAWING	DRAWN	K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE			ITW SWITCH LUMEX					
STATUS	RELEASE	REVIEW	V.W.		WSA48 RM SERIES(MOMENTARY)								
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				DATE	2020/5/26	REF:	--	管制文件	Unit	mm	SCALE	2 : 1	REV
								非管制文件					

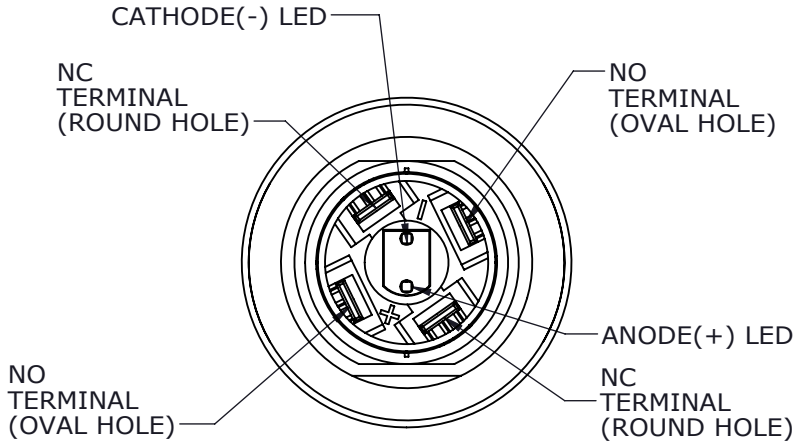
BUSHING MOUNTING



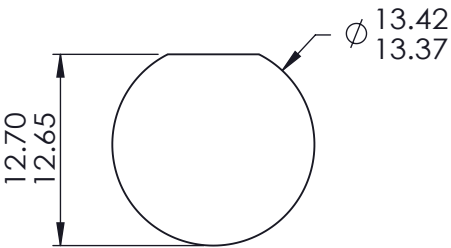
NON-ILLUMINATION



ILLUMINATION

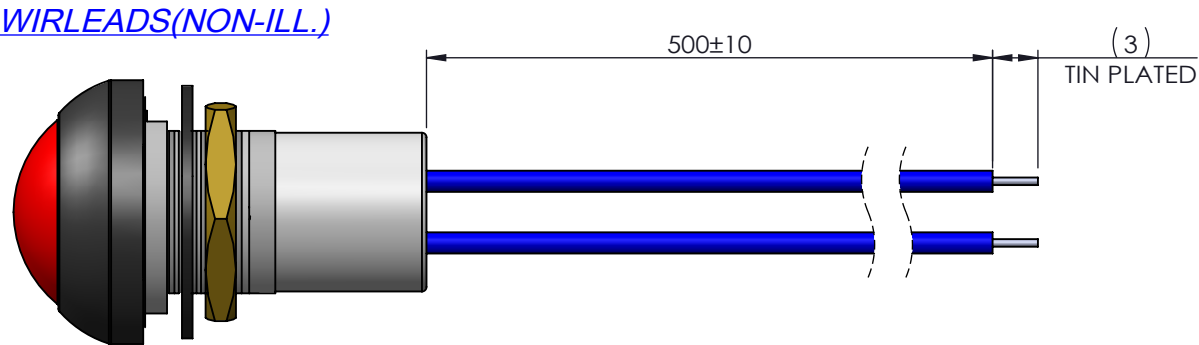
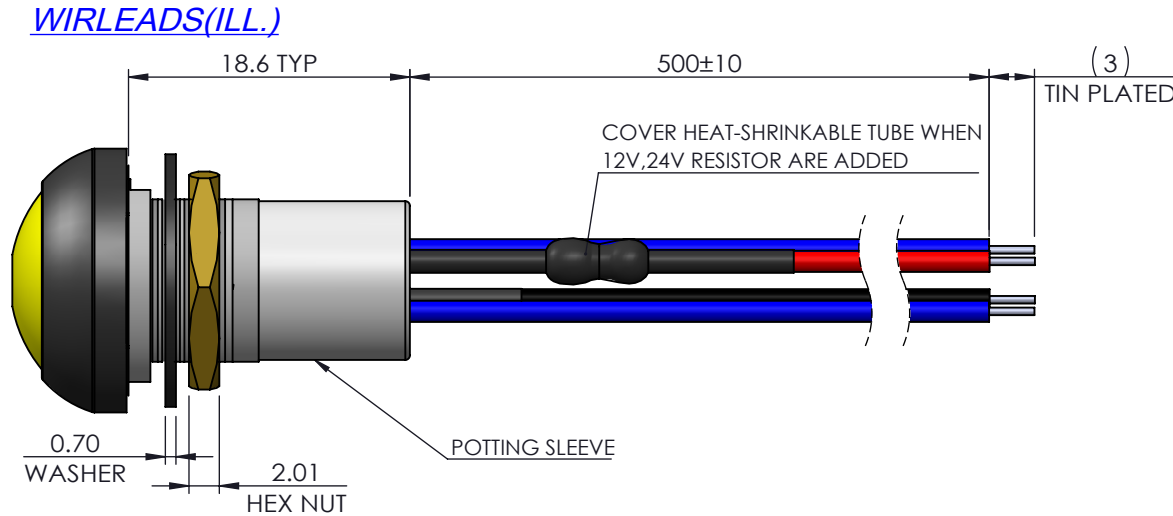
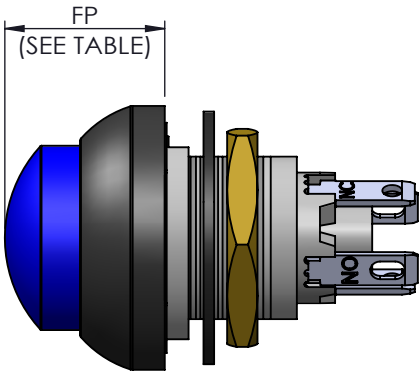
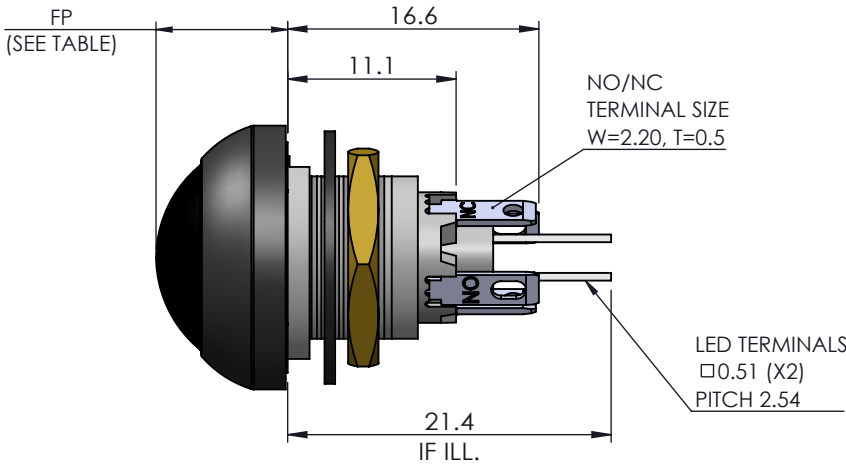


DETAIL FOR TERMINAL POSITION



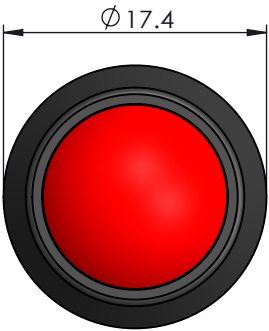
REFERENCE
PANEL CUT-OUT
BUSHING MOUNT

BUTTON TYPE	FP(mm)
NON-ILLUMINATION	8.7±0.5
ILLUMINATION: LIGHT PIPE	7.8±0.5
HIGH BUTTON	10.6±0.5

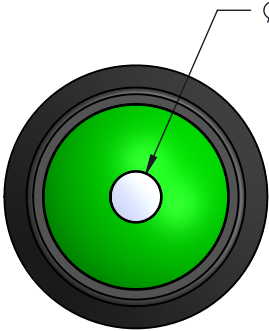


DWG TYPE SALES DRAWING	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA48 RM SERIES(MOMENTARY)							
STATUS RELEASE	REVIEW <i>v.w.</i>		DWG NO. WSA48-1,A,C,E-RM							
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		REF:	■ 管制文件 □ 非管制文件	Unit mm	SCALE 2 : 1	REV 4	RoHS Compliant	SHEET 2 OF 4		

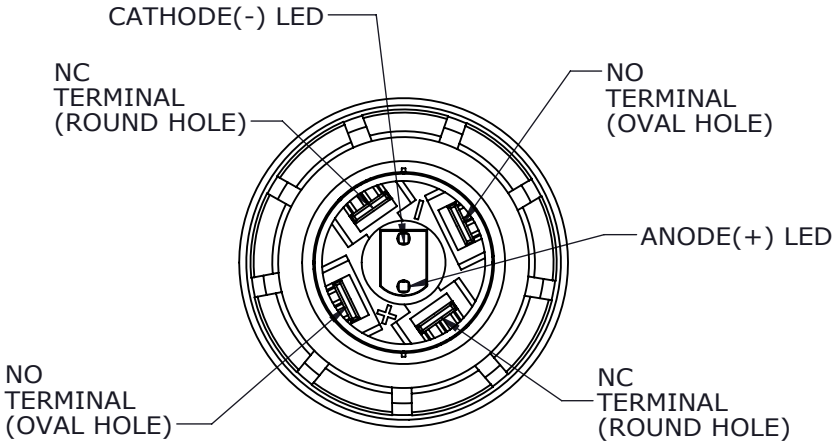
SNAP FIT MOUNTING



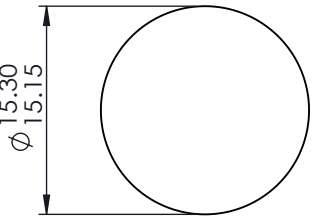
NON-ILLUMINATION



ILLUMINATION

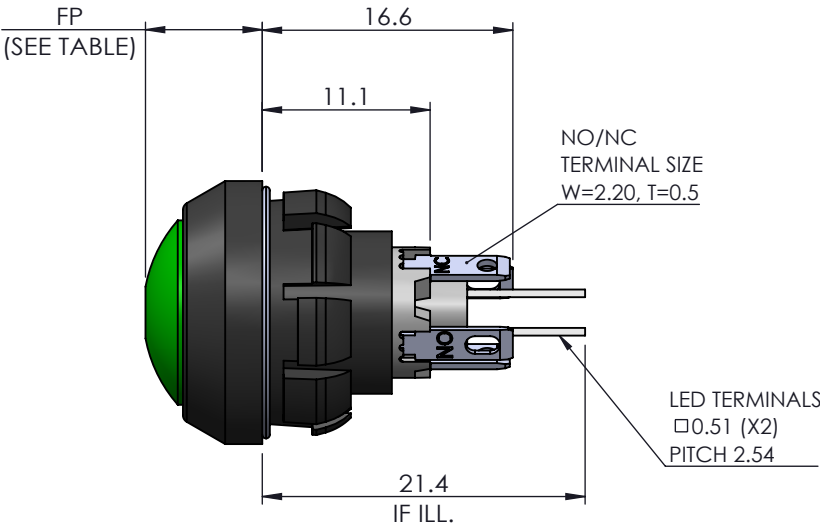


DETAIL FOR TERMINAL POSITION

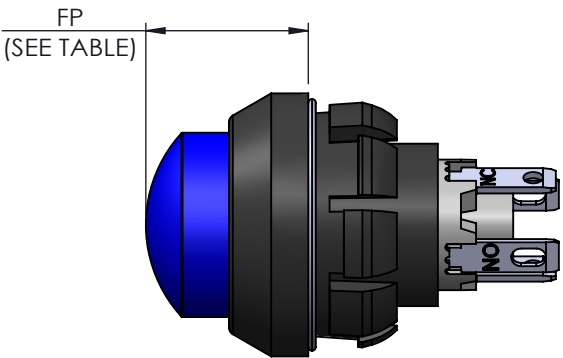
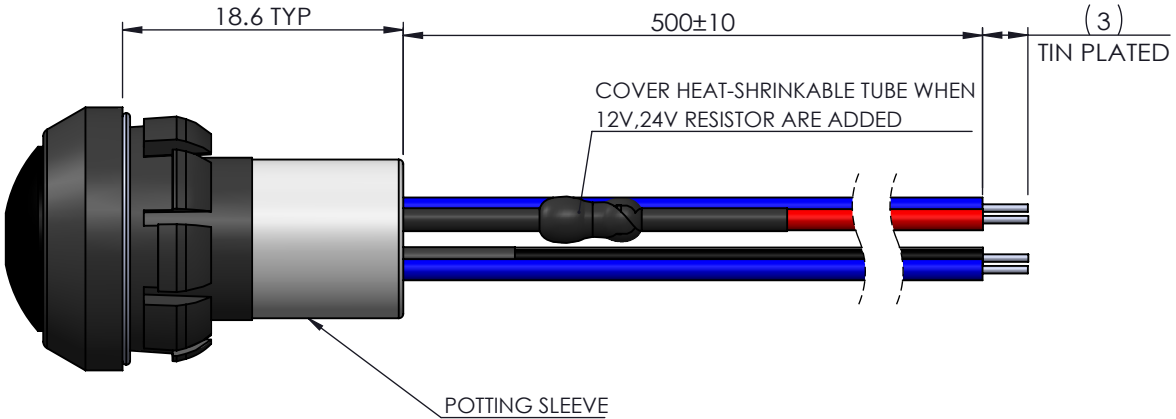


REFERENCE
PANEL CUT-OUT
SNAP FIT MOUNT
PANEL THICKNESS: 1.0mm , 2.0mm , 3.0mm ±0.5

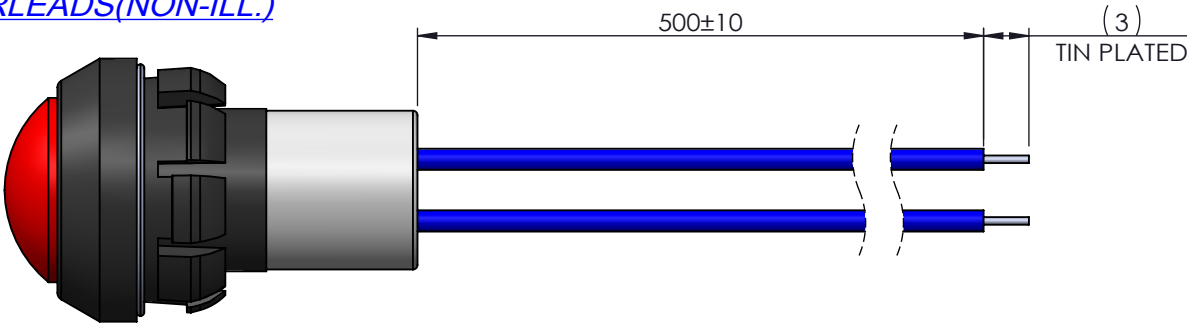
BUTTON TYPE	FP(mm)
NON-ILLUMINATION	8.7±0.5
ILLUMINATION: LIGHT PIPE	7.8±0.5
HIGH BUTTON	10.6±0.5



WIRLEADS(ILL.)



WIRLEADS(NON-ILL.)



DWG TYPE SALES DRAWING	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA48 RM SERIES(MOMENTARY)						
STATUS RELEASE	REVIEW <i>v.w.</i>		DWG NO. WSA48-1,A,C,E-RM						
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	DATE 2020/5/26	REF: --	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 2 : 1	REV 4	RoHS Compliant	SHEET 3 OF 4	

Mouser Electronics

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Lumex:

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