

G48- X - XX - X - X - X - X- X

SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
1	MOMENTARY SOLDER TERMINAL
2	MAINTAINE SOLDER TERMINAL
A	MOMENTARY WIRELEADS
B	MAINTAINE WIRELEADS

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

ILLUMINATION CODE	LED COLOR DESCRIPTION
N	NONE
R	RED
A	AMBER
Y	YELLOW
G	GREEN
B	BLUE
W	WHITE
RG	RED/BLUE
RB	RED/GREEN

BUTTON CODE (SEE NOTE 3)	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
NON-WIRELEADS	IF BLANK	SEE LED SPEC.
	05	5V (SEE NOTE4)
WIRELEADS	IF BLANK	SEE LED SPEC.
	05	5V (SEE NOTE4.)
	12	12V
	24	24V

SLEEVE CODE	SLEEVE LENGTH
IF BLANK	STANDARD
D	SHORT

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 FIT MOUNT: : 1.0, 2.0, 3.0mm ± 0.05mm
CONTACTS: SILVER
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:

2A@24VDC

MOMENTARY: 40K CYCLES NOMINAL

MAINTAINED: 20K CYCLES NOMINAL

DIELECTRIC STRENGTH: 1.000VAC

INSULATION RESISTANCE: 1G OHM

CONTACT RESISTANCE:

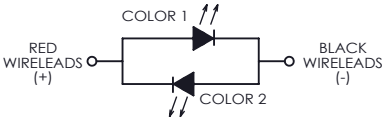
50m OHMS MAX INITIAL(NON-WIRELEADS)

250m OHMS MAX INITIAL(WIRELEADS)

CABLE: UL1007,AWG26

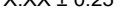
NOTE

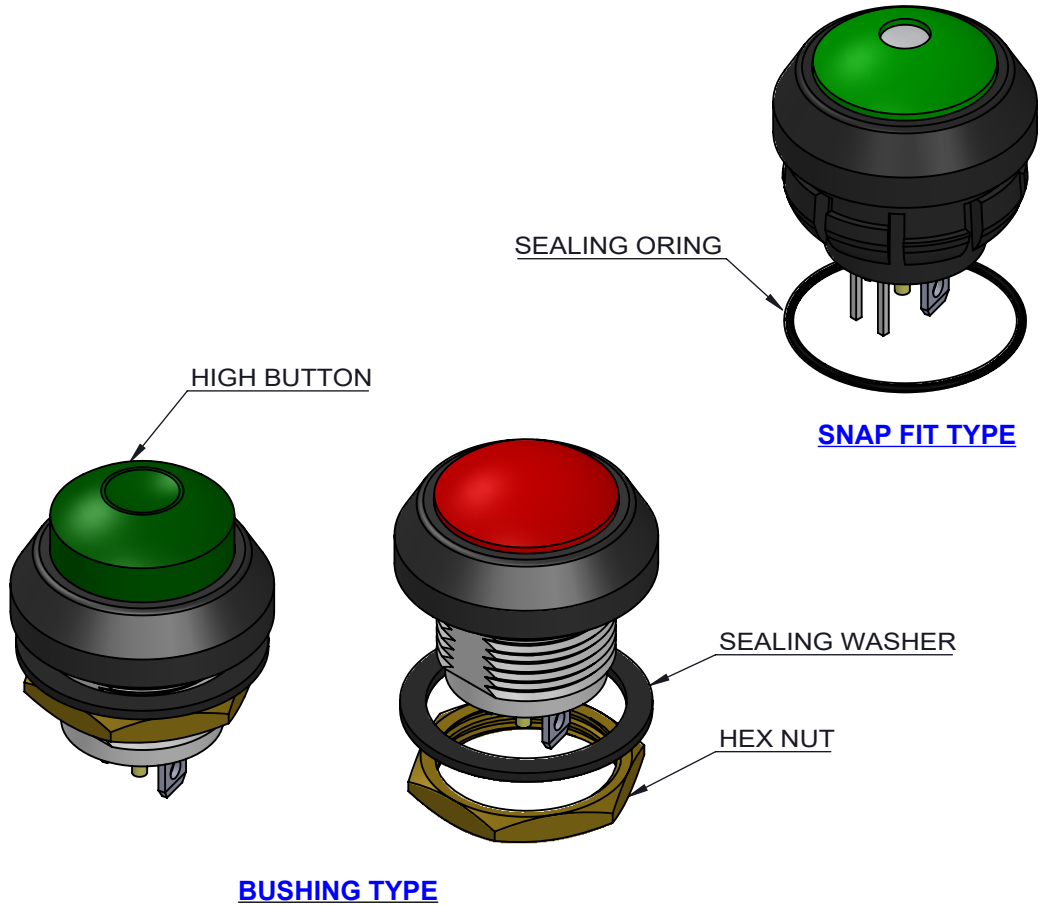
1. CURRENT LIMITING RESISTOR IS REQUIRED TO LIMIT LED FORWARD CURRENT TO 20mA
2. SUPPLY HEX NUT AND SEALING WASHER BULK PACKED.
3. HIGH-BUTTON OPTION, DENOTED (H), ONLY AVAILABLE FOR ROUND BEZEL AND NON-ILL. TYPE. OMIT (H) FOR STANDARD BUTTON.
4. INNER RESISTOR ONLY FOR LED : RED / BLUE / GREEN / WHITE.

LED SPECIFICATION					
LED CODE	LED SINGLE COLOR		Vf(VDC)	If (mA)	CIRCUITRY
			TYP.		
R	RED		2.0	20	
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	
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	

Notes:
 1.) Hand Soldering Temperature (4mm above from Body) : 320°C for 3 seconds

WIRELEADS SPECIFICATION					
WIRELEADS TYPE	WIRELEADS SPECIFICATION	SW TERMINAL		LED	
		/	O	+	-
ILLUMINATION	AWG26 / UL1007	BLUE	BLUE	RED	BLACK
NON-ILLUMINATION		BLUE	BLUE	--	--

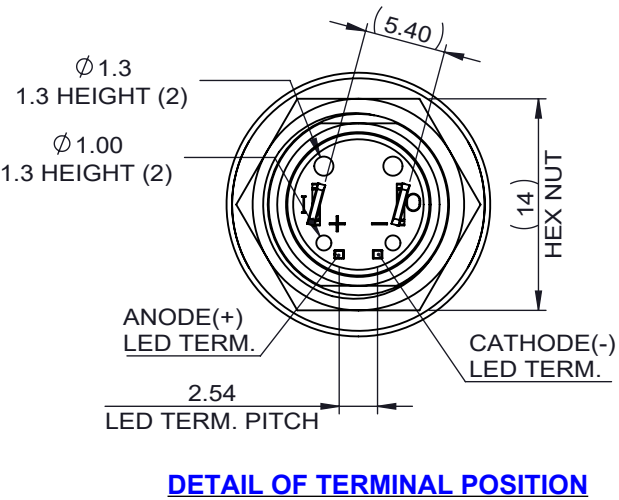
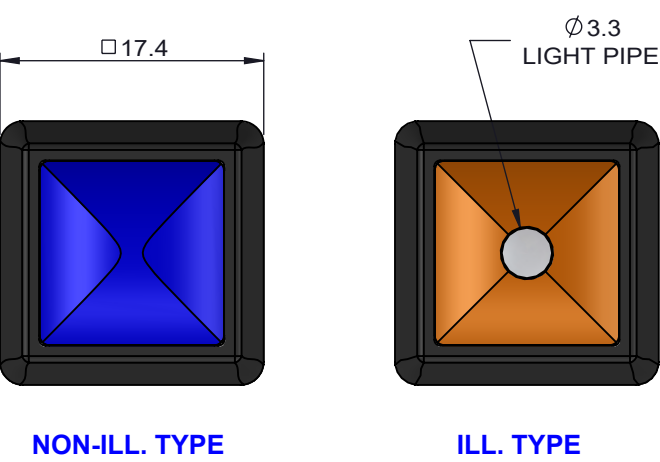
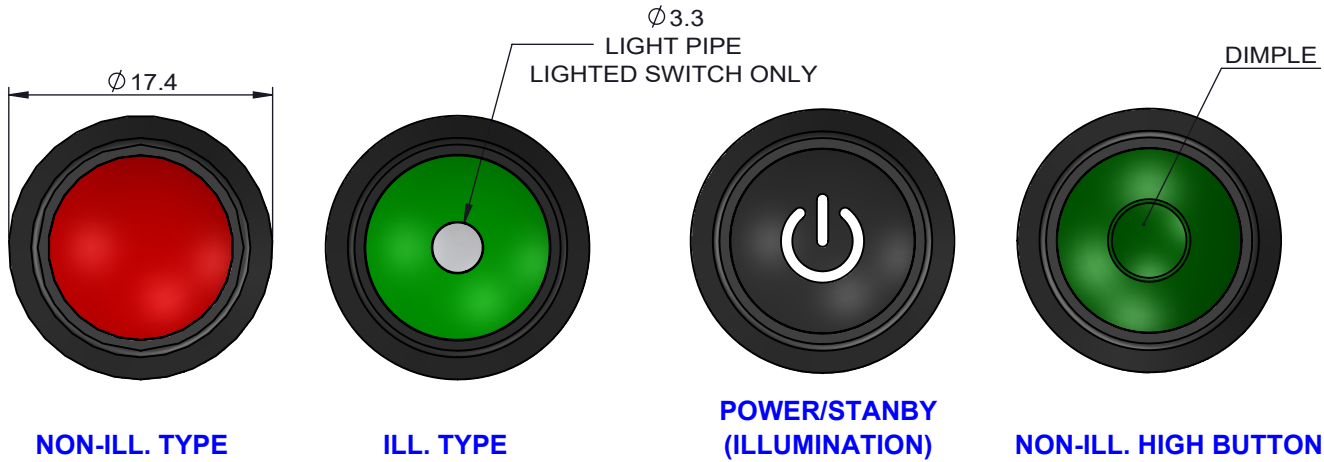
DWG TYPE SALES DRAWING	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.25 ANGULAR ± 5°		DWG TITLE G48-MECHANICAL MOMENTARY/MAINTAINED, SOLD TERMINAL, WIRELEADS, NONE/CENTER SPOT/POWER- STANDBY ILLUMINATION					
STATUS RELEASE	REVIEW			DWG NO. G48-1,2,A,B					
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	DATE 2010/3/11	REF: ---	☒ 管制文件 ☐ 非管制文件		Unit mm	SCALE 3:2	REV 5	RoHS Compliant	SHEET 1 OF 4



BUSHING MOUNT

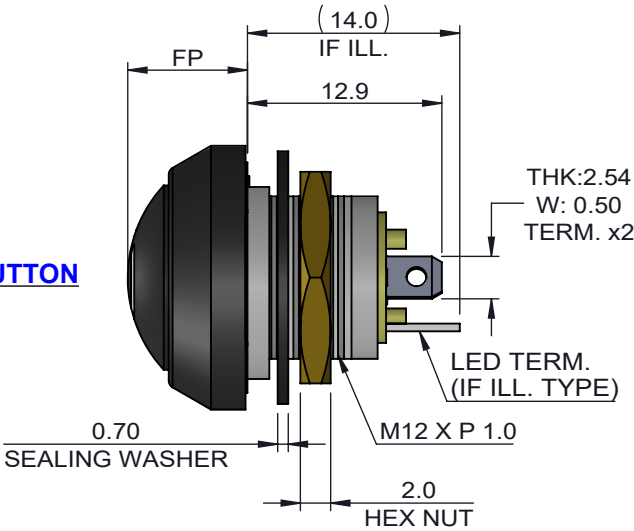
ROUND BEZEL

SQUARE BEZEL

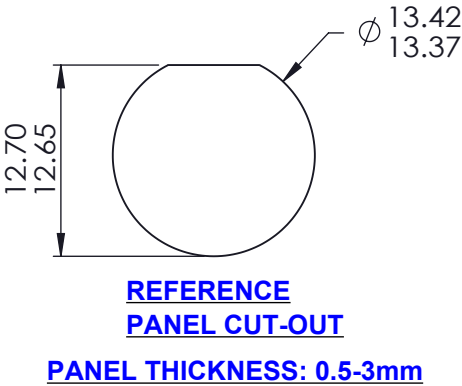
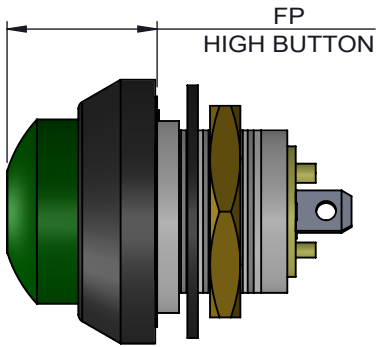


SWITCH ACTION	BUTTON TYPE	FP(mm)
MOMENTARY	NON-ILLUMINATION	8.0±0.5
	ILLUMINATION LIGHT PIPE BUTTON	7.6±0.5
	NON-ILLUMINATION HIGH BUTTON	9.9±0.5
MAINTAINED	NON-ILLUMINATION	6.5±0.5
	ILLUMINATION LIGHT PIPE BUTTON	6.0±0.5
	NON-ILLUMINATION HIGH BUTTON	8.4±0.5

STANDARD BUTTON

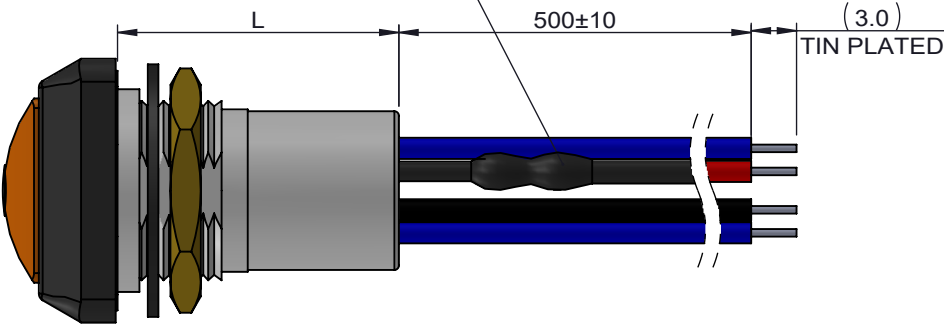
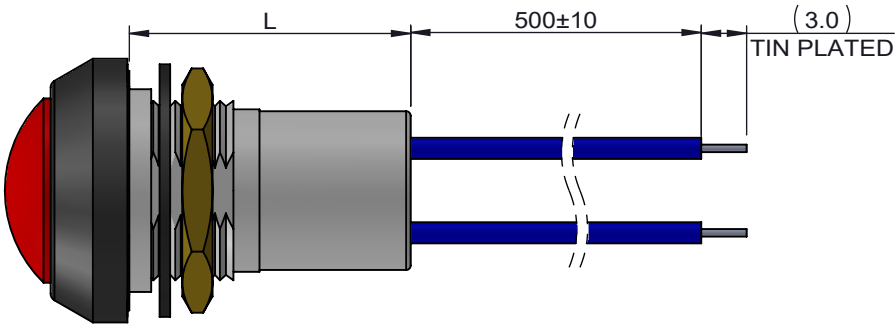


HIGH BUTTON



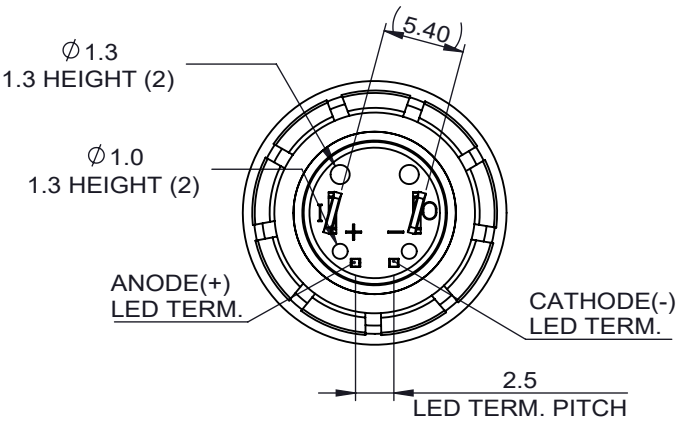
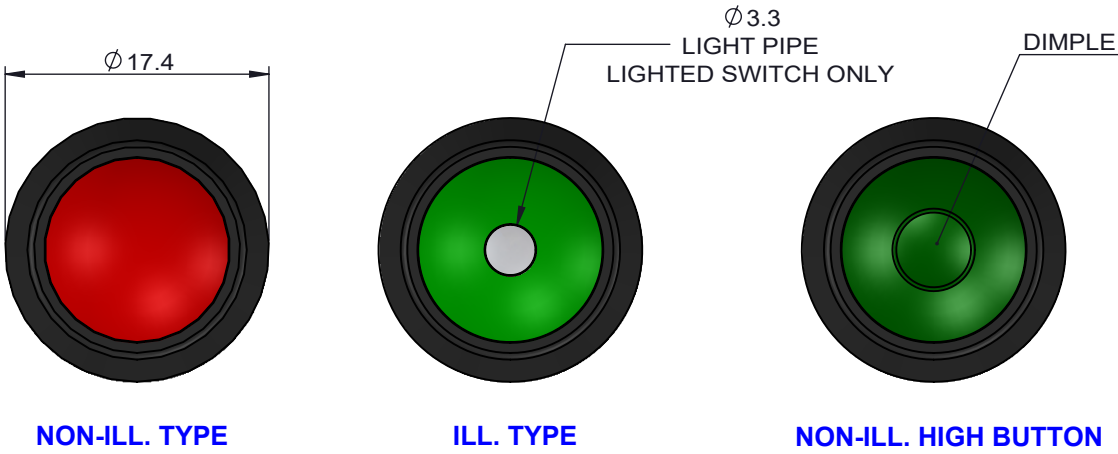
WIRELEADS

SLEEVE CODE	L(mm)
IF BLANCK (STANDARD)	18.6
D (SHORT)	15.2



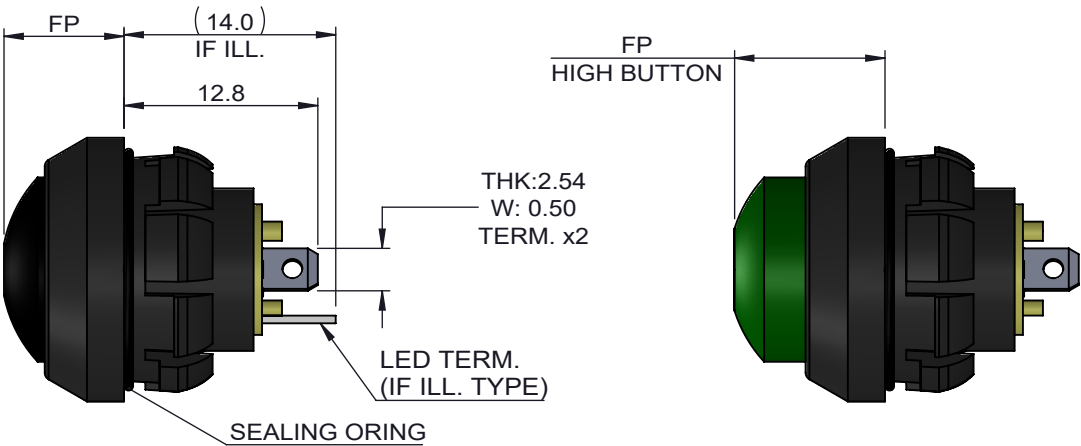
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SNAP FIT MOUNT



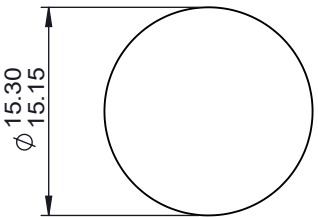
DETAIL OF TERMINAL POSITION

SWITCH ACTION	BUTTON TYPE	FP(mm)
MOMENTARY	NON-ILLUMINATION	8.0±0.5
	ILLUMINATION LIGHT PIPE BUTTON	7.6±0.5
	NON-ILLUMINATION HIGH BUTTON	9.9±0.5
MAINTAINED	NON-ILLUMINATION	6.5±0.5
	ILLUMINATION LIGHT PIPE BUTTON	6.0±0.5
	NON-ILLUMINATION HIGH BUTTON	8.4±0.5



STANDARD BUTTON

HIGH BUTTON

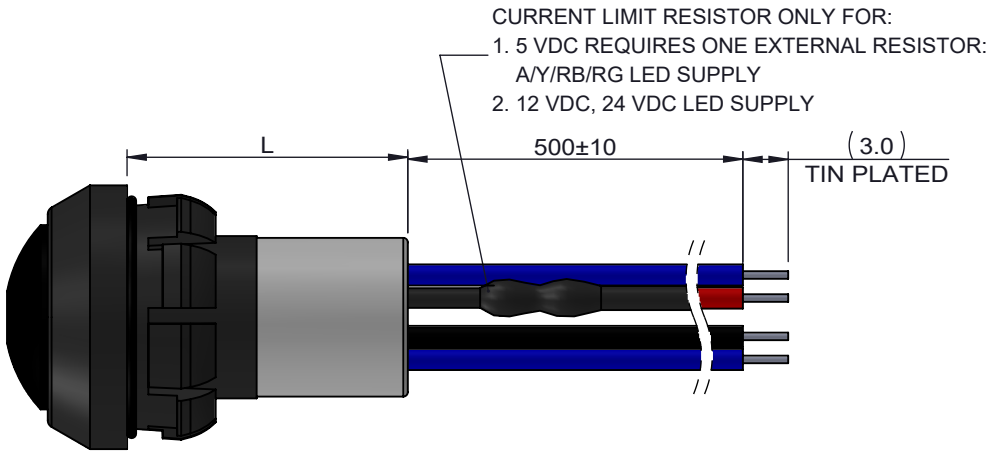
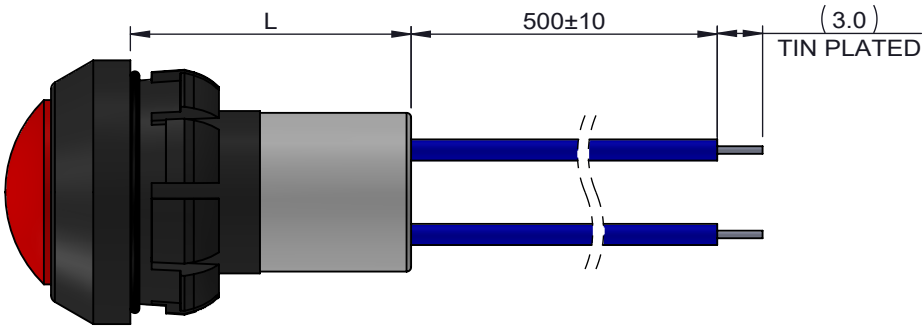


RECOMMENDED
PANEL CUT-OUT

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

WIRELEADS

SLEEVE CODE	L(mm)
IF BLANCK (STANDARD)	18.6
D (SHORT)	15.2



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