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WSA48 — ① — ② — ③ — ④ — ⑤ — ⑥ — ⑦

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

BEZEL TYPE CODE	BEZEL TYPE DESCRIPTION
RB	ROUND, BLACK
SB	SQUARE, BLACK

LED COLOR CODE	LED COLOR
N	NONE
G	GREEN
R	RED
B	BLUE
W	WHITE
Y	YELLOW

BUTTON COLOR CODE (SEE NOTE 2)	BUTTON COLOR
(H)RD	RED
(H)GR	GREEN
(H)BK	BLACK
(H)BL	BLUE
(H)YL	YELLOW
(H)OR	ORANGE
(H)WHITE	WHITE
PK	POWER/STANDBY BLACK (ONLY FOR ROUND BEZEL & BUSHING MOUNT)

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

LED INLET VOLTAGE CODE		LED INLET VOLTAGE
NON-WIRELEADS	BLANK*	(SEE NOTE)
WIRELEADS	BLANK*	(SEE NOTE)
	05	5V
	12	12V
	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 - IN MOUNT: 1.0, 2.0, 3.0mm ±0.05mm
CONTACTS: SILVER
NUT TORQUE FORCE: MAX. 6 kgf*cm [5.2 LB*in]

ELECTRICAL LIFE:

5A@28VDC, 5A@125/250VAC , 25K CYCLES NOMINAL

MECHANICAL LIFE:

MOMENTARY: 1,000,000 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)

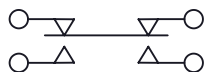
LED SPECIFICATIONS:

SEE LED SPECIFICATION

CERTIFICATION: UL 61058

*** NOTE:**

1. SUPPLY HEX NUT AND SEALING WASHER BULK IN PACKED
2. HIGH-BUTTON OPTION, DENOTED (H), ONLY AVAILABLE FOR ROUND BEZEL AND NON-ILL. TYPE. OMIT (H) FOR STANDARD BUTTON.



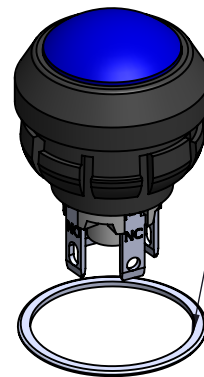
SPDT-DB

SCHEMATIC

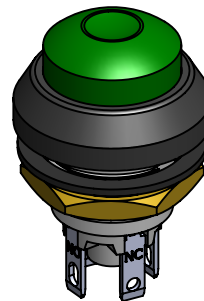
LED SPECIFICATION				
LED CODE	LED Color	CIRCUITRY	Vf(VDC)	If (mA)
			Color	
R	RED		1.8 ~ 2.5	20
B	BLUE		2.8 ~ 3.5	20
G	GREEN		2.8 ~ 3.5	20
Y	YELLOW		1.8 ~ 2.5	20
W	WHITE		2.8 ~ 3.5	20

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

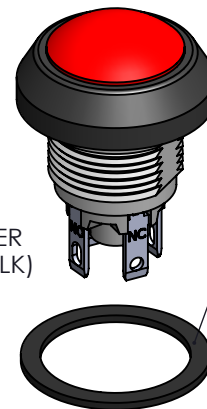
WIRELEADS SPECIFICATION				
WIRELEADS TYPE	SW TERMINAL	SW TERMINAL	LED	
	NO	NC	+	-
ILLUMINATION	BLUE AWG24 UL1007	YELLOW AWG24 UL1007	RED AWG26 UL1007	BLACK AWG26 UL1007
NON-ILLUMINATION	BLUE AWG24 UL1007	YELLOW AWG24 UL1007	-	-



SNAP FIT TYPE



HIGH BUTTON TYPE



BUSHING TYPE

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

DWG TYPE SALES DRAWING	DRAWN e.e.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°		DWG TITLE WSA48-MECHANICAL MOMENTARY, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION					
STATUS RELEASE	REVIEW --			DWG NO. WSA48-1,A,C,E					
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		DATE 2017/6/23	REF: --	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 2 : 1	REV 6	RoHS Compliant	SHEET 1 OF 3

F

E

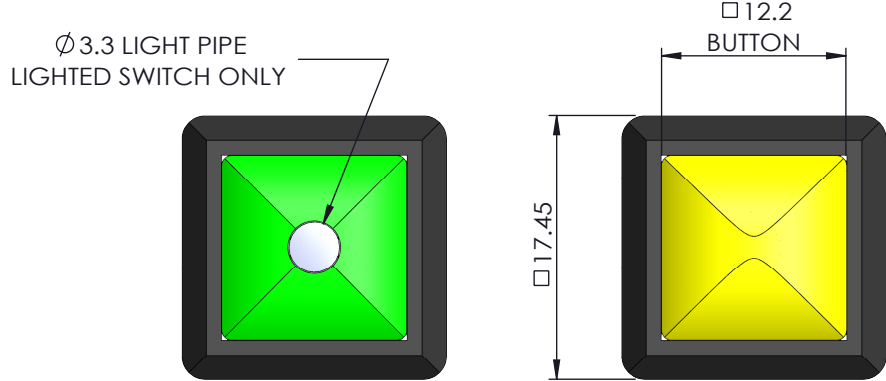
D

C

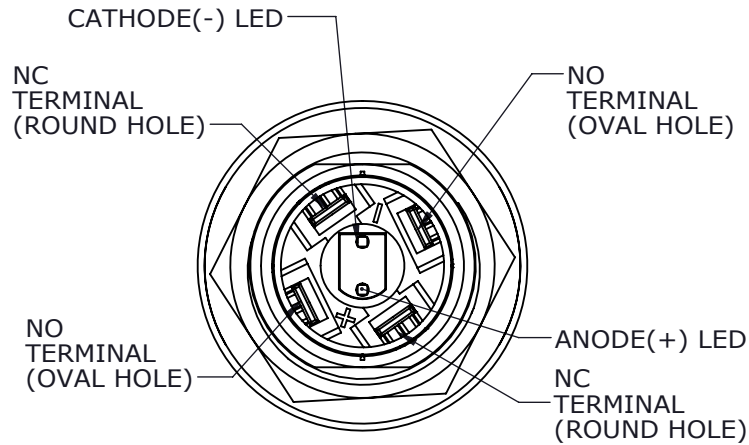
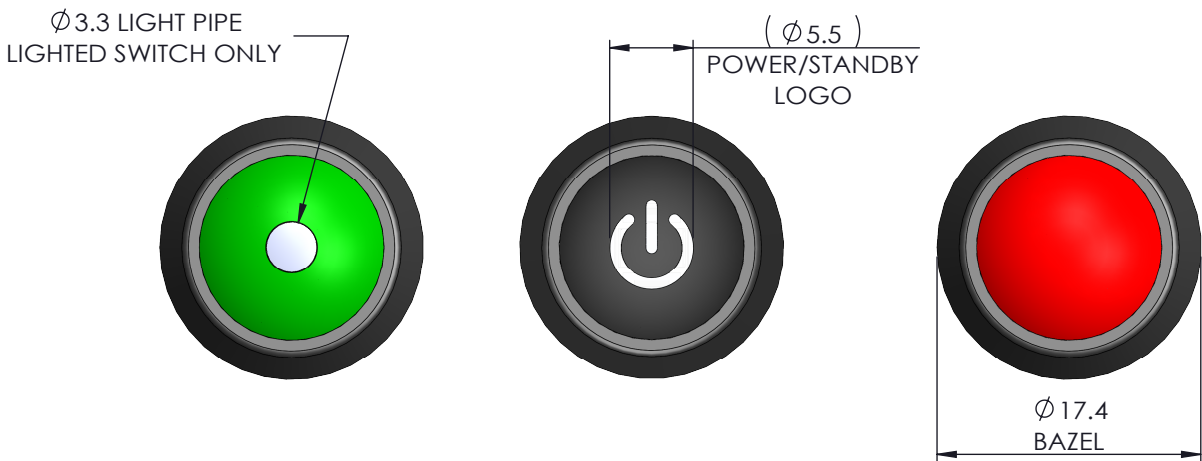
B

A

SQUARE BEZEL

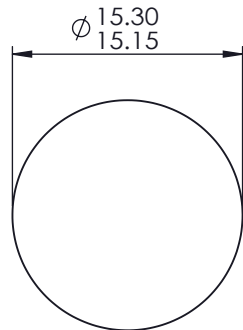
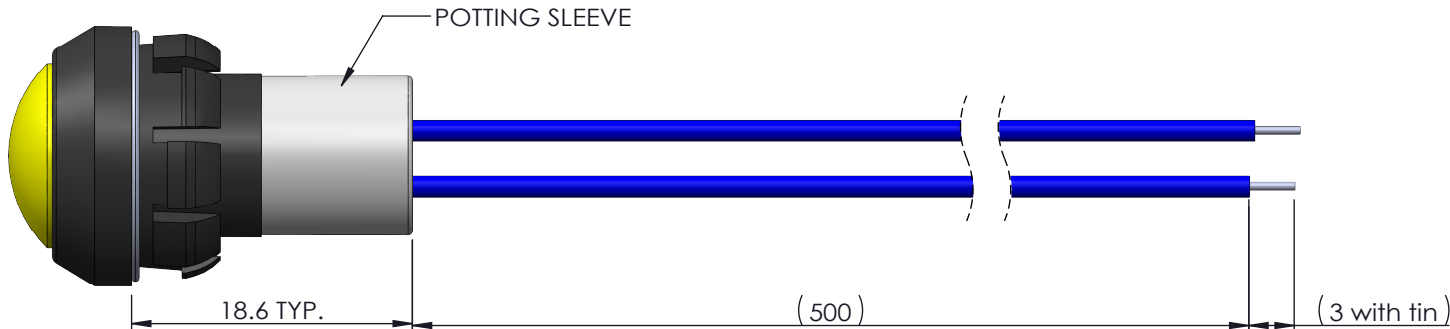
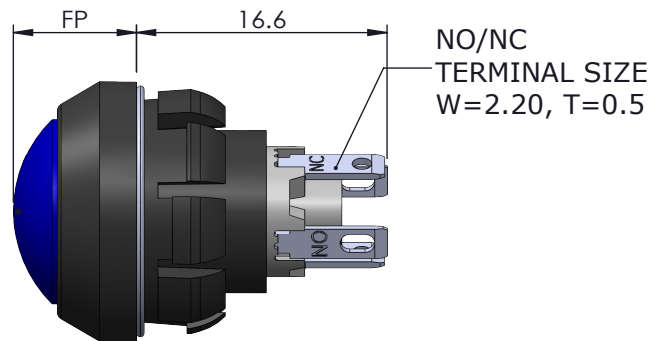


ROUND BEZEL



DETAIL FOR TERMINAL POSITION

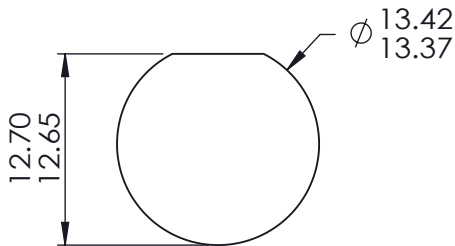
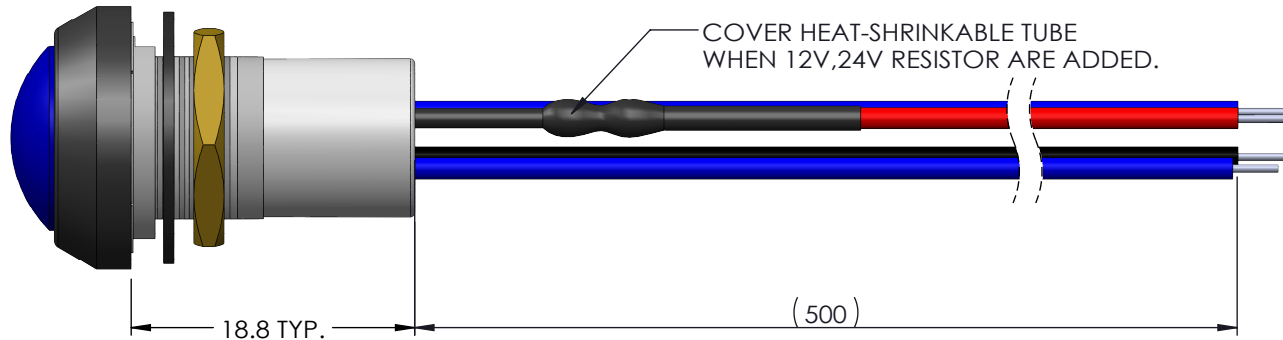
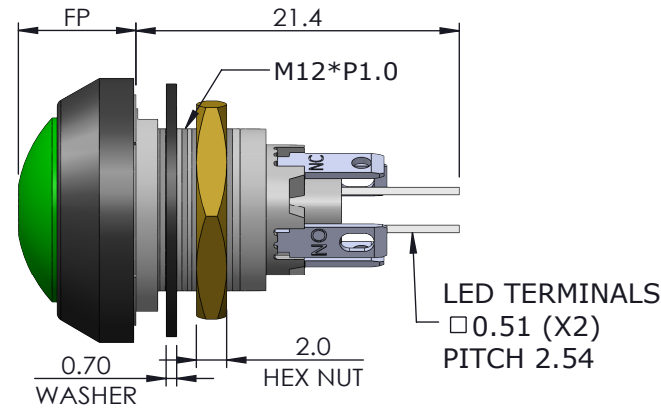
NON-ILLUMINATION
& SNAP FIT TYPE



REFERENCE
PANEL CUT-OUT
SNAP-IN MOUNT

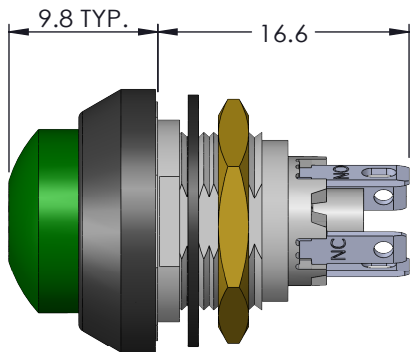
PANEL THICKNESS: 1.0mm , 2.0mm , 3.0mm ±00.5

ILLUMINATION
& BUSHING TYPE

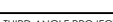


REFERENCE
PANEL CUT-OUT
BUSHING MOUNT

NON-ILLUMINATION
& HIGH BUTTON TYPE



BUTTON TYPE	FP(mm)
ILLUMINATION LIGHT PIPE	7.8±0.5
NON-ILLUMINATION	8.1±0.5

DWG TYPE SALES DRAWING	DRAWN c.c.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5	DWG TITLE WSA48-MECHANICAL MOMENTARY, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION					
STATUS RELEASE	REVIEW --	X.XX ± 0.2 ANGULAR ±1°						
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	DATE 2017/6/23	REF: --	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 2 : 1	REV 6		

REVISION RECORD

REV	DESCRIPTION	DATE	DRAWN	DOCUMENT NO
1	FOR SALES DRAWING	2014.10.17	A.H.	
2	RE-ARRANGEMENT DRAWING MODIFY SPECIFICATION	2018.01.23	C.C.	
3	ADDING UL 61058 CERTIFICATION / REVISED SNAP-IN HOUSING	2018.06.01 / 2018.10.08	K.Y. / A.C.	DCN-201900023
4	1.CHANGE MOUNTING OPTION FROM SNAP IN TO "SNAP FIT" 2. FREE POSITION REVISED,DUE TO CHANGE THE BUTTON TO SNAP BUTTON. 3.CHANGE WASHER TO 80SP48-0296 4. ADD NOTE FOR HIGH BUTTON.	2020.08.03	KY	DCN-202000080
5	CHANGE DIM. OF PANEL CUT OUT	2021.08.06	KY	DCN-202100073
6	ADD ELECTRICAL LIFE 5A@125/250VAC	2022.08.29	C.C.	DCN-202200067

DWG TYPE SALES DRAWING	DRAWN c.c.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA48-MECHANICAL MOMENTARY, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION							
STATUS RELEASE	REVIEW --		DWG NO. WSA48-1,A,C,E							
APPROVED v.w.		THIRD ANGLE PROJECTION 								
DATE 2017/6/23		REF: --	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 2 : 1	REV 6	RoHS Compliant	SHEET 3 OF 3		

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WSA48—

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— RM —

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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

LIHGTE 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

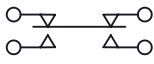
MOUNTING TYPE CODE	MOUNTING TYPE
B	BUSHING
F	SNAP FIT

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



SPDT-DB
SCHEMATIC

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

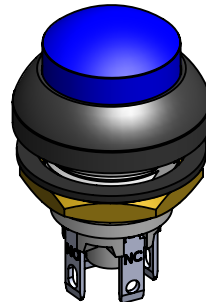
*** NOTE:**

- 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.

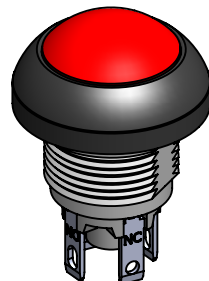
LED SPECIFICATION				
LED CODE	LED	CIRCUITRY	Vf(VDC)	If (mA)
	Color		Color	
R	RED		1.8 ~ 2.5	20
B	BLUE		2.8 ~ 3.5	20
G	GREEN		2.8 ~ 3.5	20
Y	YELLOW		1.8 ~ 2.5	20
W	WHITE		2.8 ~ 3.5	20
Notes: Hand Soldering Temperature (4mm above from Body) : 320°C for 3 seconds				

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

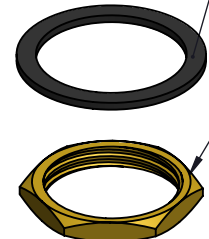


BUSHIG TYPE



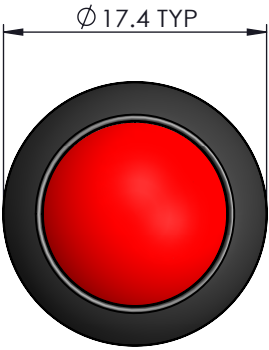
SEALING WASHER
(SUPPLIED IN BULK)

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

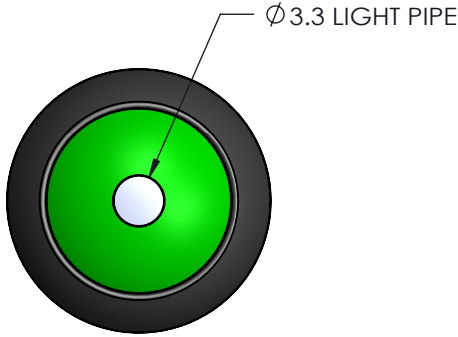


DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA48 RM SERIES(MOMENTARY)							
STATUS RELEASE	REVIEW v.w.		DWG NO. WSA48-1,A,C,E-RM							
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	DATE 2020/5/26	REF: --								

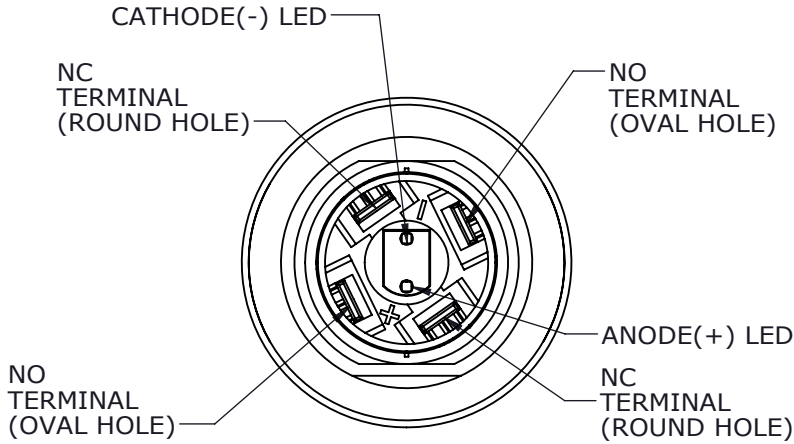
BUSHING MOUNTING



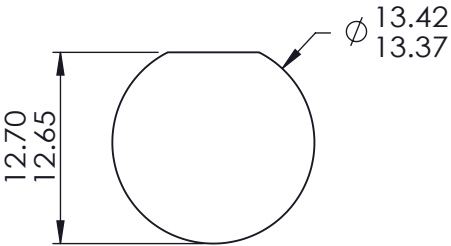
NON-ILLUMINATION



ILLUMINATION

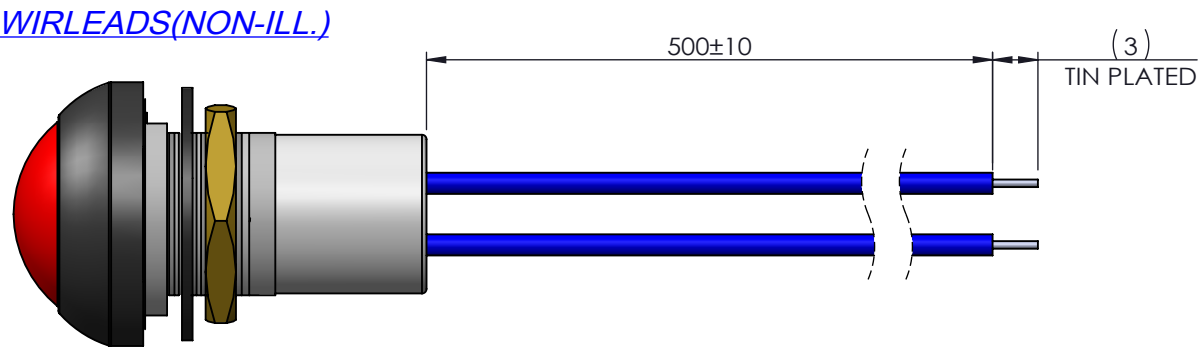
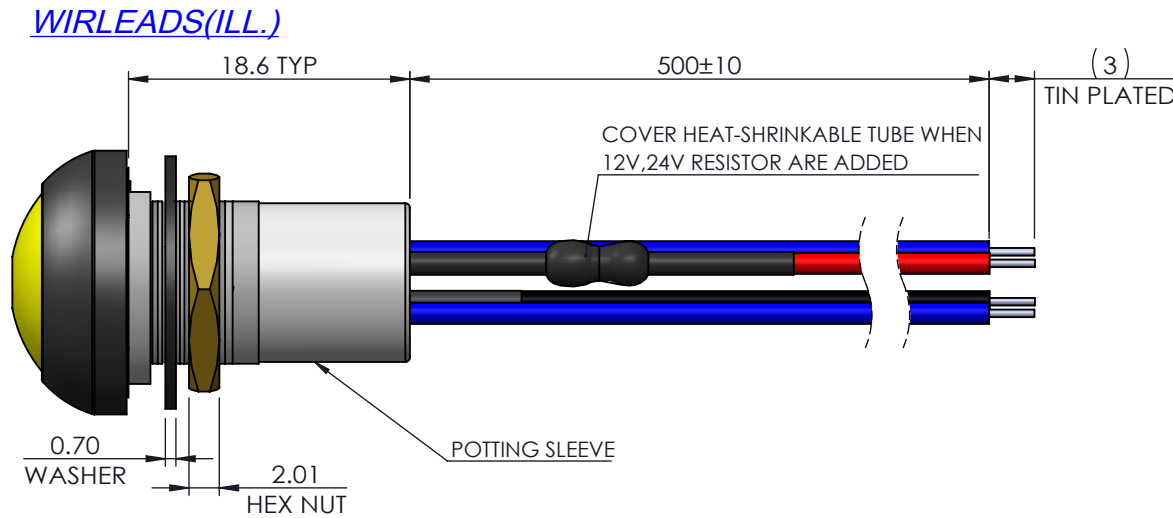
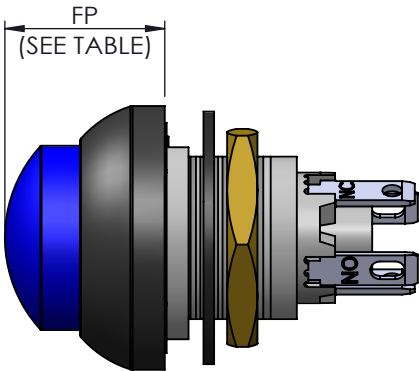
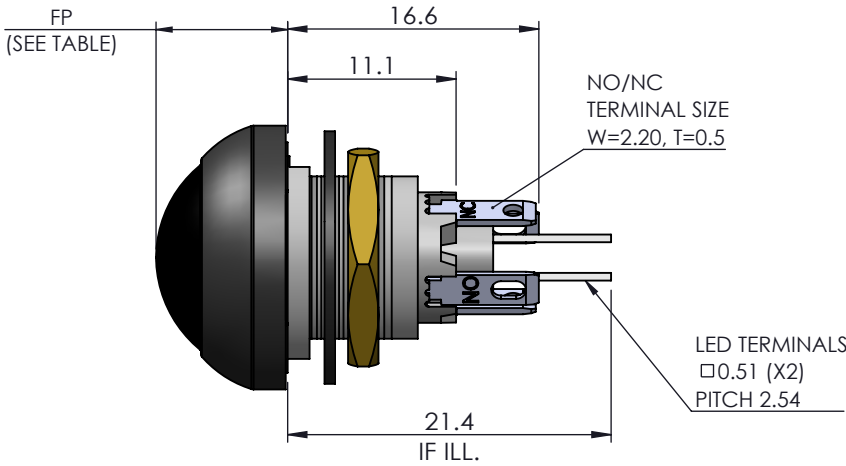


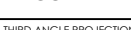
DETAIL FOR TERMINAL POSITION



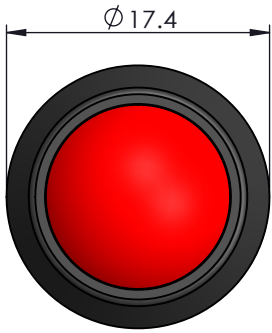
REFERENCE
PANEL CUT-OUT
BUSHING MOUNT

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

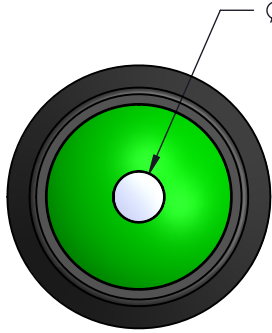


DWG TYPE SALES DRAWING	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA48 RM SERIES(MOMENTARY)							
STATUS RELEASE	REVIEW <i>v.w.</i>									
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	DATE 2020/5/26	REF: --								

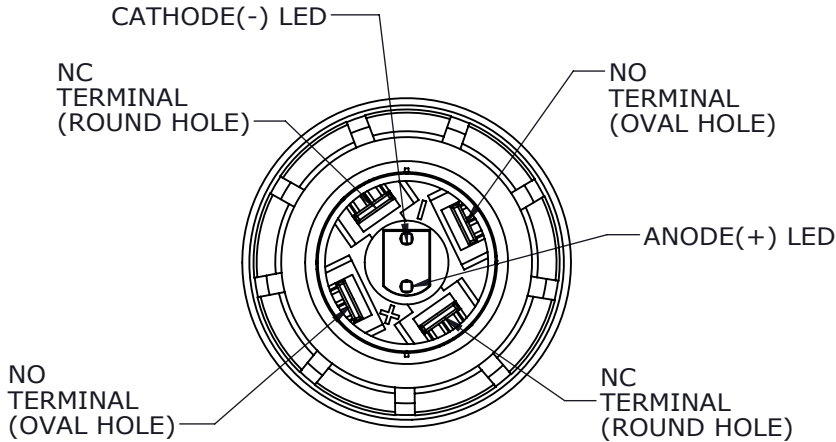
SNAP FIT MOUNTING



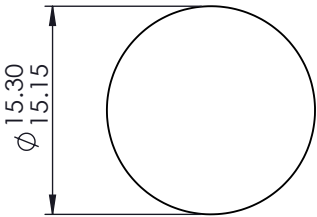
NON-ILLUMINATION



ILLUMINATION

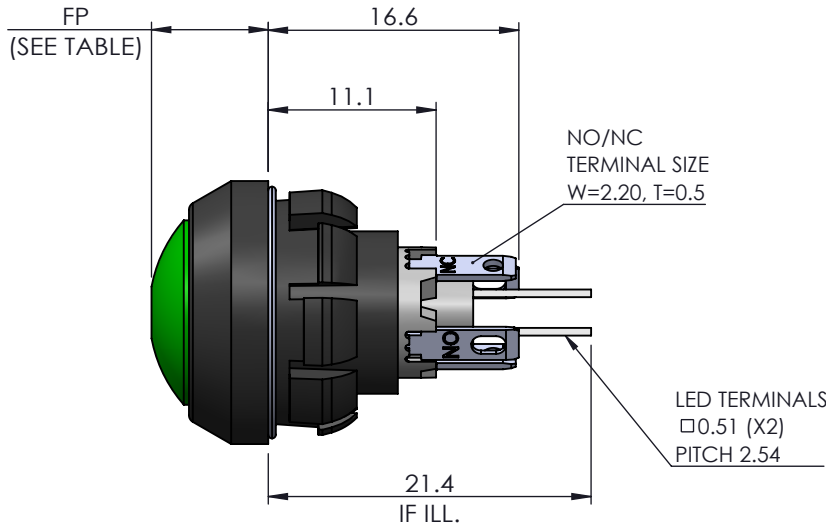


DETAIL FOR TERMINAL POSITION

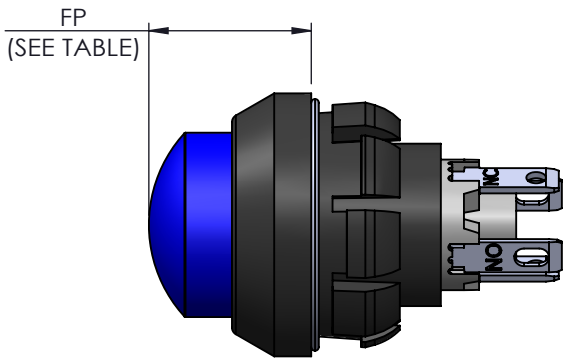
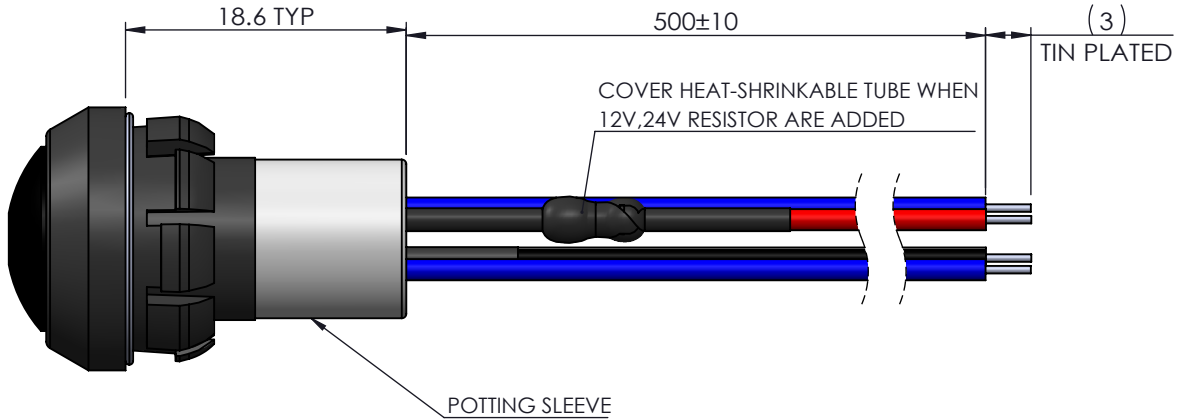


REFERENCE
PANEL CUT-OUT
SNAP FIT MOUNT
PANEL THICKNESS: 1.0mm , 2.0mm , 3.0mm ±0.5

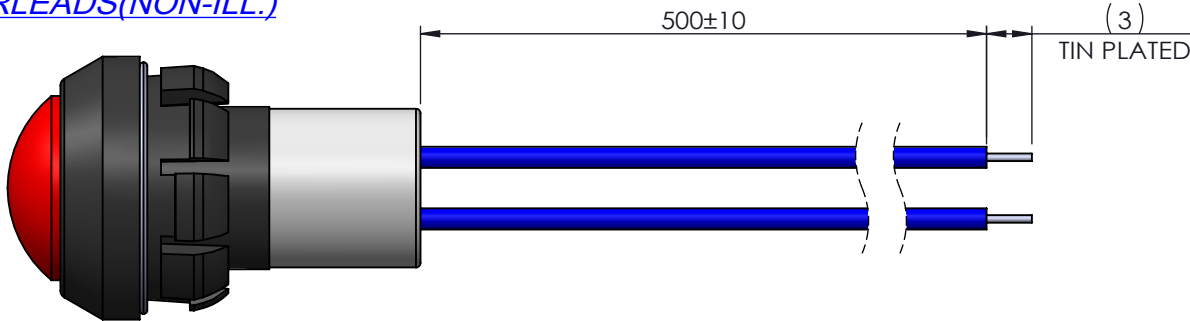
BUTTON TYPE	FP(mm)
NON-ILLUMINATION	8.7±0.5
ILLUMINATION: LIGHT PIPE	7.8±0.5
HIGH BUTTON	10.6±0.5



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>								
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		DATE 2020/5/26							

REVISION RECORD				
REV	DESCRIPTION	DATE	DRAWN	DOCUMENT NO.
1	FOR SALES DRAWING	2020/5/26	K.Y.	DCN-202000043
2	1. NEW BUTTON OPTION : HIGH BUTTON 2. CHANGE WASHER TO 80SP48-0296	2020/8/28	K.Y.	DCN-202000084
3	1.CHANGE DIM. OF REFERENCE PANEL CUT OUT 2. ADD SNAP FIT BEZEL OPTION	2021/8/5	K.Y.	DCN-202100073 ECR-202100001
4	ADD ELECTRICAL LIFE 5A@125/250VAC	2022.08.29	C.C.	DCN-202200067

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

F

E

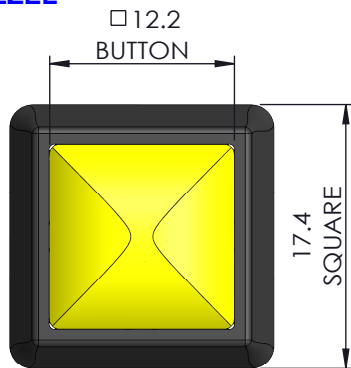
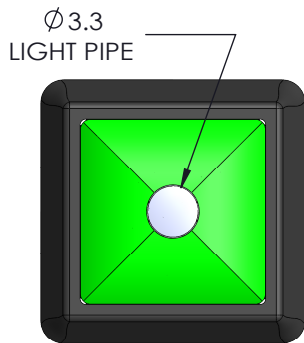
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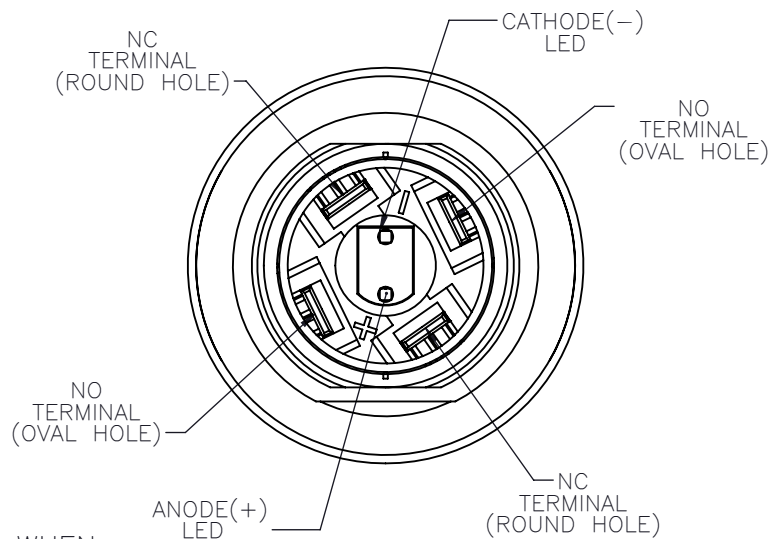
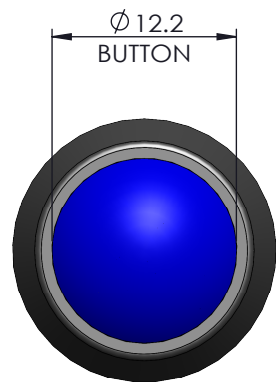
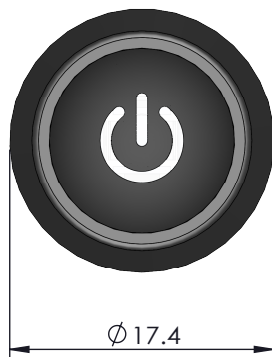
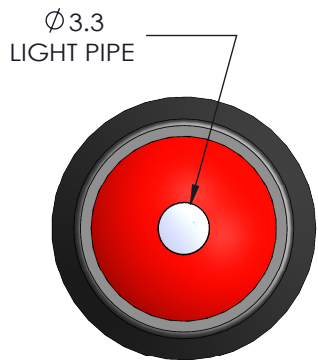
B

A

SQUARE BEZEL

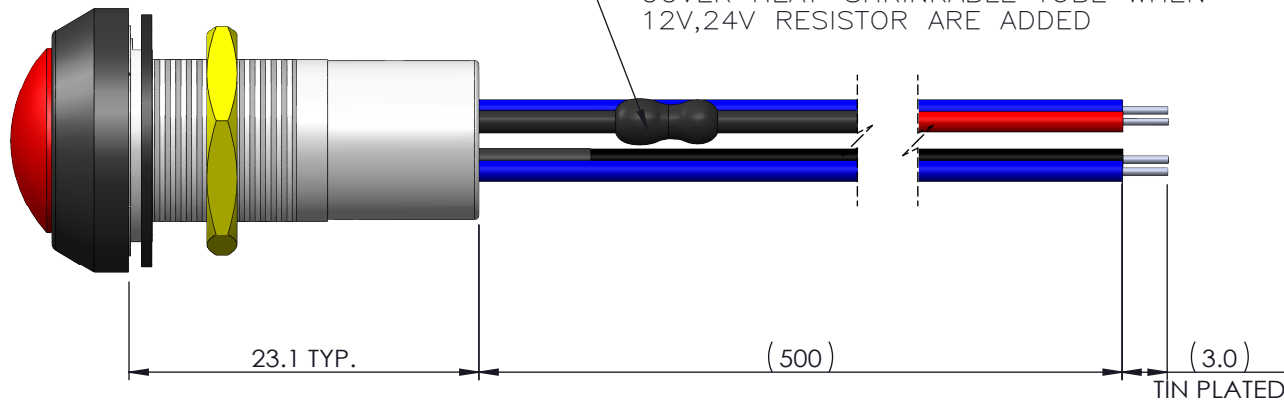
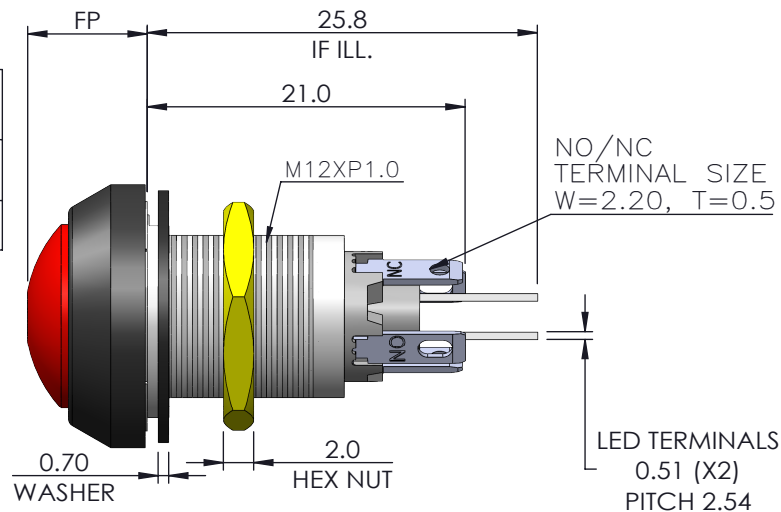


ROUND BEZEL



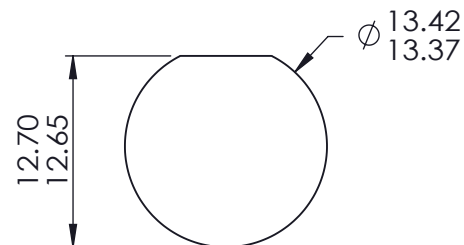
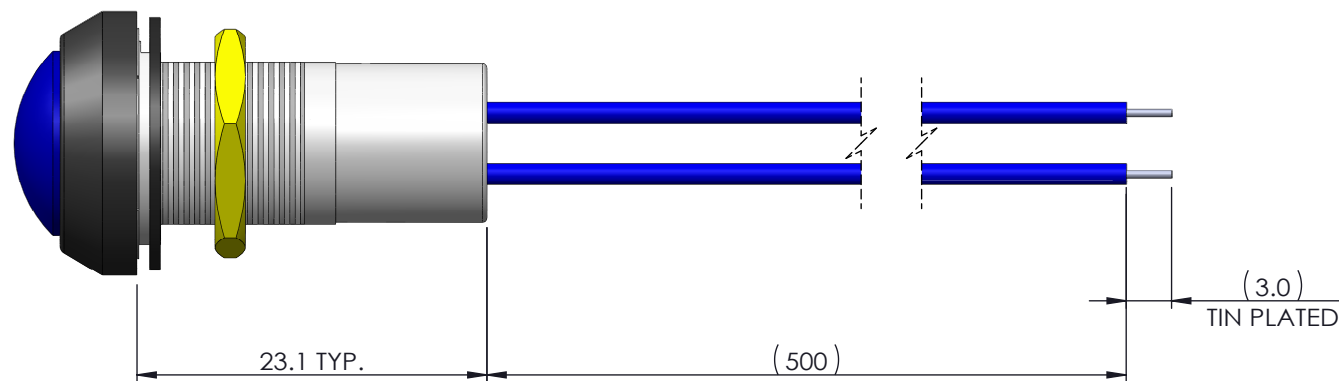
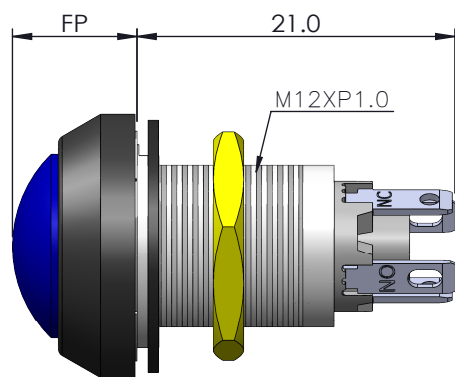
DETAIL FOR TERMINAL POSITION

BUTTON TYPE	FP(mm)
ILLUMINATION LIGHT PIPE	7.9±0.5
NON-ILLUMINATION	8.2±0.5



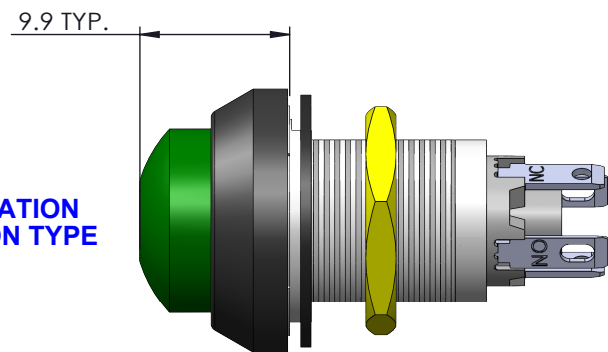
ILLUMINATION

NON-ILLUMINATION



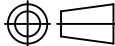
REFERENCE
PANEL CUT-OUT
BUSHING MOUNT

NON-ILLUMINATION
& HIGH BUTTON TYPE



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-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION		
STATUS RELEASE	REVIEW <i>a.H.</i>	THIRD ANGLE PROJECTION 	DWG NO. WSA48-2,B,D,F		
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				SCALE 2:1	REV 6
		RoHS Compliant		SHEET 2 OF 3	

REVISION RECORD				
REV	DESCRIPTION	DATE	DRAWN	DOCUMENT NO
1	FOR SALES DRAWING	2017.12.12	K.Y.	DCN-201700063
2	ADDING ELECTRICAL SPECIFICATIONS	2018.03.21	K.Y.	DCN-201800048
3	ADDING UL 61058 CERTIFICATION	2018.05.31	K.Y.	DCN-201800067
4	1.PHASE OUT SNAP IN TYPE MOUNT 2. FREE POSITION REVISED,DUE TO CHANGE THE BUTTON TO SNAP BUTTON. 3.CHANGE WASHER TO 80SP48-0296 4. ADD NOTE FOR HIGH BUTTON.	2020/8/3	K.Y.	DCN-202000080
5	CHANGE DIM. OF PANEL CUT OUT	2021/11/16	K.Y.	DCN-202100073
6	ADD ELECTRICAL LIFE 5A@125/250VAC	2022.08.29	C.C.	DCN-202200067

DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ± 1°	DWG TITLE WSA48-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION							
STATUS RELEASE	REVIEW A.H.		DWG NO. WSA48-2,B,D,F							
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		DATE 2017/12/12	REF: S48-1,2,5,6,A,B				RoHS Compliant			SHEET 3 OF 3

F

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WSA48—

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SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
2	MECHANICAL, MAINTAIN, SOLDER TERMINAL
B	MECHANICAL, MAINTAIN, NO/NO WIRELEADS
D	MECHANICAL, MAINTAIN, NC/NC WIRELEADS
F	MECHANICAL, MAINTAIN, NO/NC WIRELEADS

BEZEL TYPE DECSRIPTION
ROUND, MIRRO BLACK

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

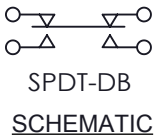
BUTTON COLOR CODE	DESCRIPTION OF BUTTON
(H)RD	RED
(H)GR	GREEN
(H)BK	BLACK
(H)BL	BLUE
(H)YL	YELLOW
(H)OR	ORANGE
(H)WH	WHITE
(H)PK	POWER/STANDBY BLACK

MOUNTING TYPE CODE	MOUNTING TYPE
B	BUSHING

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

ANY CODE	DESCRIPTION
IF BLANK	NA
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:
BUSHING MOUNT: 0.5 - 3.0mm



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 /250m OHMS MAX INITIAL(NON-WIRELEAD / WIRELEADS)

LED SPECIFICATIONS & WIRELEADS SPECIFICATIONS:
SEE LED SPECIFICATION
SEE WIRELEADS SPECIFICATION

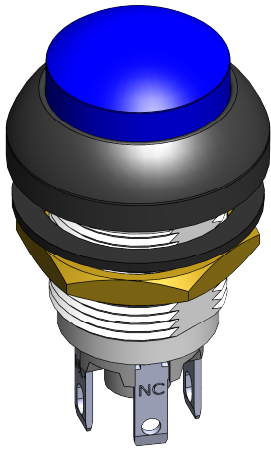
CERTIFICATION: UL 61058

* NOTE:
1. SUPPLY HEX NUT AND SEALING WASHER BULK IN PACKED
2. HIGH-BUTTON OPTION, DENOTED (H), ONLY AVAILABLE FOR
ROUND BEZEL AND NON-ILL.TYPE. OMIT (H) FOR STANDARD BUTTON.

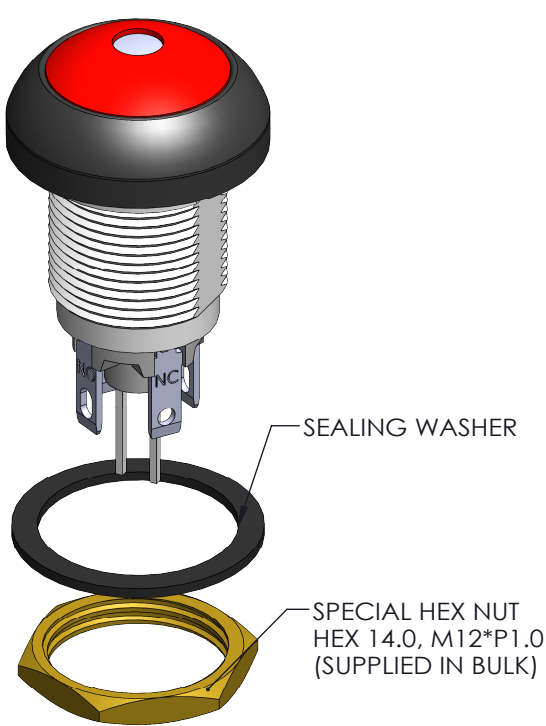
LED SPECIFICATION				
LED CODE	LED Color	CIRCUITRY	Vf(VDC)	If (mA)
			Color	
R	RED		1.8 ~ 2.5	20
B	BLUE		2.8 ~ 3.5	20
G	GREEN		2.8 ~ 3.5	20
Y	YELLOW		1.8 ~ 2.5	20
W	WHITE		2.8 ~ 3.5	20
Notes: Hand Soldering Temperature (4mm above from Body) : 320°C for 3 seconds				

WIRELEADS SPECIFICATION					
WIRELEADS TYPE	WIRELEADS SPECIFICATION	SW TERMINAL	SW TERMINAL	LED COLOR	
		NO	NC	+	-
ILLUMINATION	SW: AWG24 / UL1007 LED : AWG 26/UL1007	BLUE	YELLOW	RED	BLACK
NON-ILLUMINATION		BLUE	YELLOW	-	-

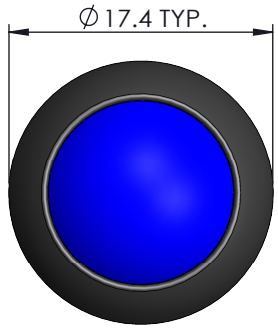
HIGH BUTTON TYPE



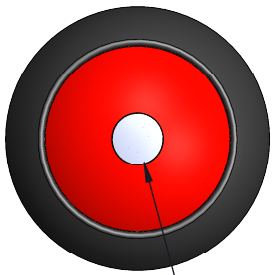
BUSHIG TYPE



DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA48 RM SERIES (MAINTAINED)							
STATUS RELEASE	REVIEW --		DWG NO. WSA48-2,B,D,F-RM							
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	DATE 2020/4/16	REF: --								

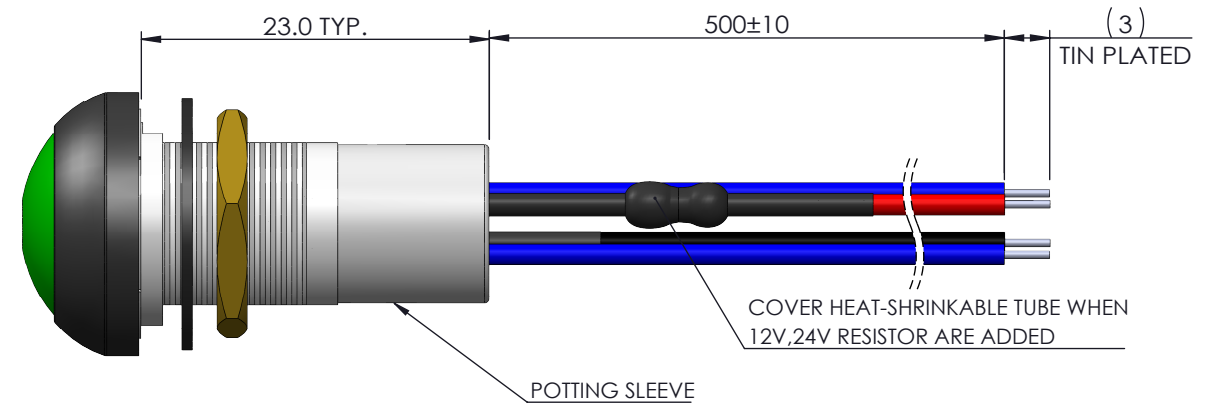


NON-ILLUMINATION

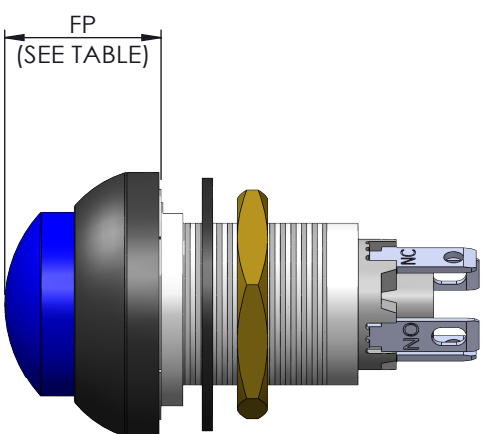
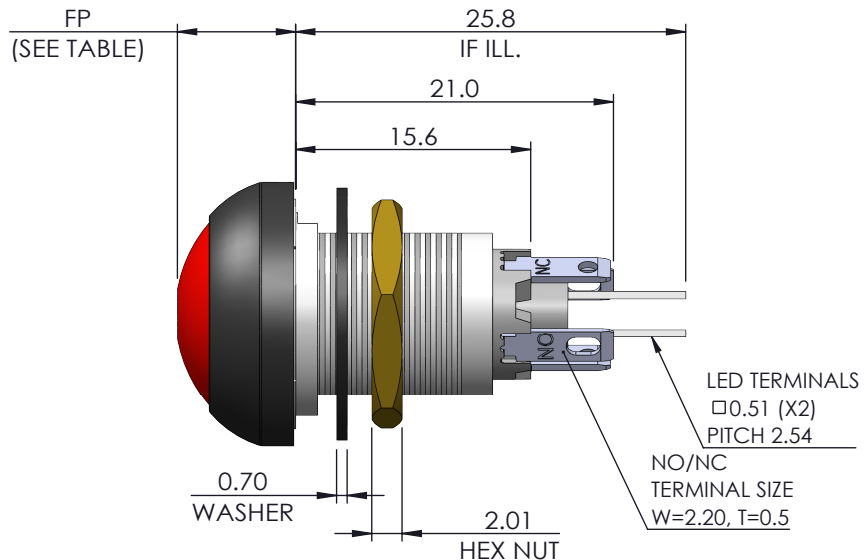
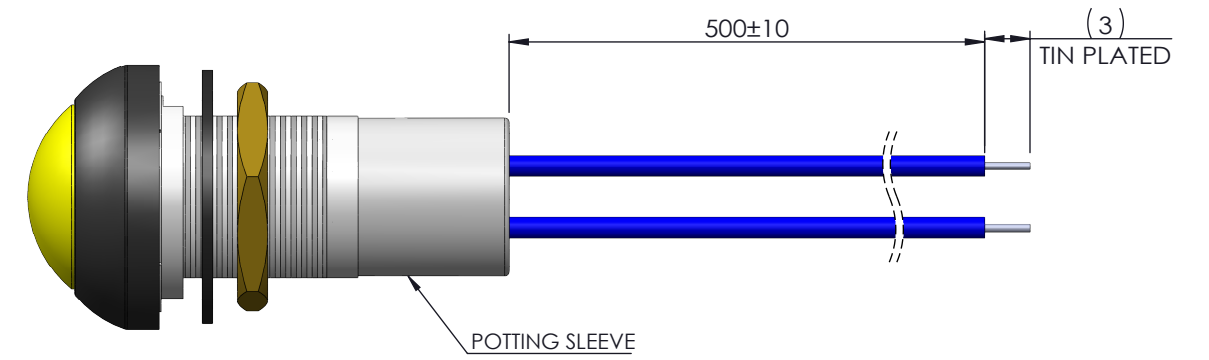


ILLUMINATION

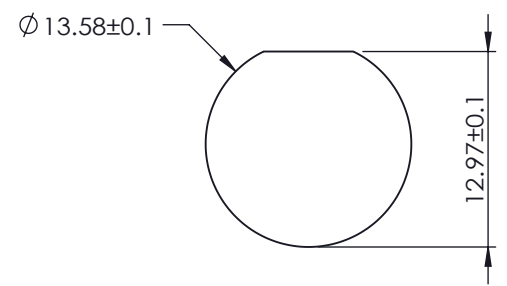
WIRLEADS(ILL.)



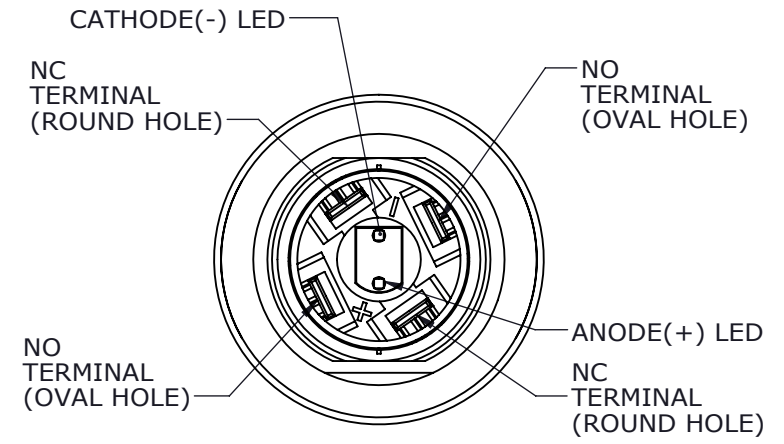
WIRLEADS(NON-ILL.)



BUTTON TYPE	FP(mm)
NON-ILLUMINATION	8.8±0.5
ILLUMINATION: LIGHT PIPE	7.9±0.5
HIGH BUTTON	10.8±0.5



RECOMMENDED
PANEL CUT-OUT
BUSHING MOUNT

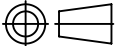


DETAIL FOR TERMINAL POSITION

DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA48 RM SERIES (MAINTAINED)						
STATUS RELEASE	REVIEW --		DWG NO. WSA48-2,B,D,F-RM						
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	DATE 2020/4/16	REF: --							

REVISION RECORD

REV	DESCRIPTION	DATE	DRAWN	DOCUMENT NO
1	FOR SALES DRAWING	2020/4/16	K.Y.	DCN-202000043
2	1. NEW BUTTON OPTION : HIGH BUTTON 2. CHANGE WASHER TO 80SP48-0296	2020/8/28	K.Y.	DCN-202000084
3	LOGO REVISED	2021/10/4	K.Y	DCN-202100107
4	ADD ELECTRICAL LIFE 5A@125/250VAC	2022.08.29	C.C.	DCN-202200067

DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA48 RM SERIES (MAINTAINED)				
STATUS RELEASE	REVIEW --		DWG NO. WSA48-2,B,D,F-RM				
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DATE 2020/4/16	REF: --	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 2 : 1	REV 4	RoHS Compliant	SHEET 3 OF 3