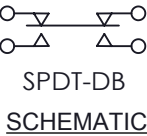


WSA58M- (1) (2) (3) (4) (5) - (6)

SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION	HOUSING MATERIAL CODE	HOUSING DECSRIPTION	HOUSING ADAPTATION	ILLU. TYPE CODE	ILLUMINATION TYPE DESCRIPTION	LED COLOR CODE	LED COLOR	LED INLET VOLTAGE CODE		LED INLET VOLTAGE	ANY CODE	DESCRIPTION
1	MECHANICAL,MOMENTARY,SOLDER TERMINAL	1	STAINLESS STEEL	STAINLESS STELL & ALUMINUM INHERENT HOUSING	0	NON.-ILLUMINATION	N	NONE	NON-WIRELEADS	IF BLANK*	FOLLOW LED SPECIFICATION	IF BLANK*	NA
A	MECHANICAL,MOMENTARY,NO/NO WIRELEADS	2	ALUMINUM, INHERENT		2	RING ILLUMINATION	G	GREEN	WIRELEADS	IF BLANK*	FOLLOW LED SPECIFICATION	05	24
C	MECHANICAL,MOMENTARY,NC/NC WIRELEADS				3	POWER/STANDBY ILLUMINATION	R	RED		12	12V		
E	MECHANICAL,MOMENTARY,NC/NO WIRELEADS			ALUMINUM INHERENT HOUSING	R	RED BUTTON ONLY FOR NON-ILLUMINATION	B	BLUE		24	24V		
		G	GREEN BUTTON ONLY FOR NON-ILLUMINATION		W	WHITE							
		Y	YELLOW BUTTON ONLY FOR NON-ILLUMINATION		Y	YELLOW							
					B	BLUE BUTTON ONLY FOR NON-ILLUMINATION							
					D	GOLD BUTTON ONLY FOR NON-ILLUMINATION							

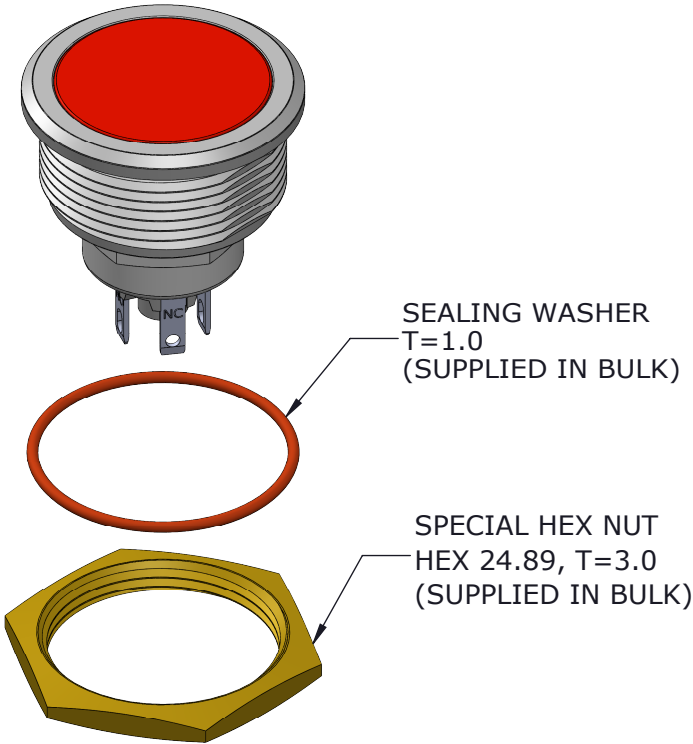
MECHANICAL CHARACTERISTICS:
 SWITCH CIRCUITRY: SPDT-DB
 SWITCH ACTION: MOMENTARY (PER CHART)
 PRE-TRAVEL: 1.27 mm NOMINAL
 OVER-TRAVEL: 0.254 mm NOMINAL
 TOTAL TRAVEL: 1.524 mm NOMINAL
 OPERATING FORCE: 525 g [5.15N] NOMINAL
 RELEASEING FORCE: 340 g NOMINAL
 PANEL THICKNESS: 0.5-4.5mm
 CONTACTS: SILVER
 NUT TORQUE FORCE: MAX 11.5 kgf*cm [10 LB*in]



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: AWG26/UL1007	BLUE	YELLOW	RED	BLACK
NON-ILLUMINATION		BLUE	YELLOW	-	-



ELECTRICAL LIFE:
5A@28VDC, 5A@125/250VAC, 25K CYCLES NOMINAL
MECHANICAL LIFE:
MOMENTRAY: 1,000,000 CYCLES NOMINAL

ENVIRONMENTAL 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:
SEE LED SPECIFICATION

CERTIFICATION: UL 61058

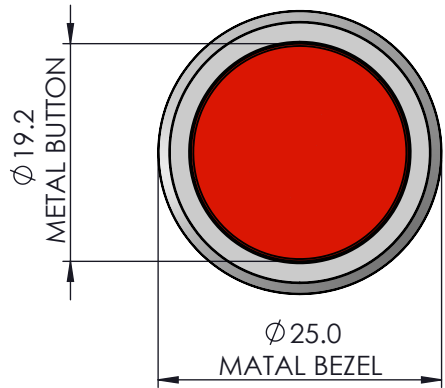
* NOTE:
1.SUPPLY HEX NUT AND SEALING WASHER BULK IN PACKED

DWG TYPE SALES DRAWING	DRAWN c.c.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA58M- MECHANICAL MOMENTARY, NON/RING ILLUMINATION/POWER- STANDBY LOGO							
STATUS RELEASE	REVIEW --		DWG NO. WSA58M-1,A,C,E							
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	DATE 2017/6/29	REF: ---	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 3 : 2	REV 5				

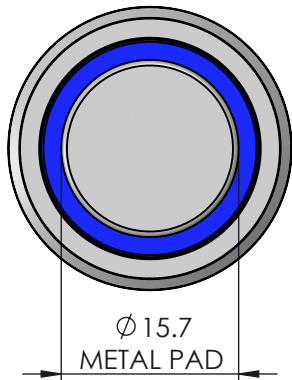
F
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8
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1

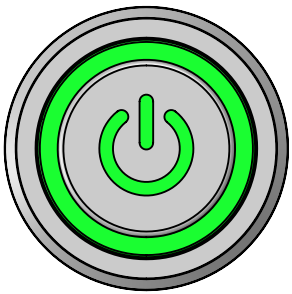
NON-ILLUMINATION TYPE



RING ILLUMINATION



POWER/STANDBY ILLUMINATION



NC
TERMINAL
(ROUND HOLE)

CATHODE(-)
LED

NO
TERMINAL
(OVAL HOLE)

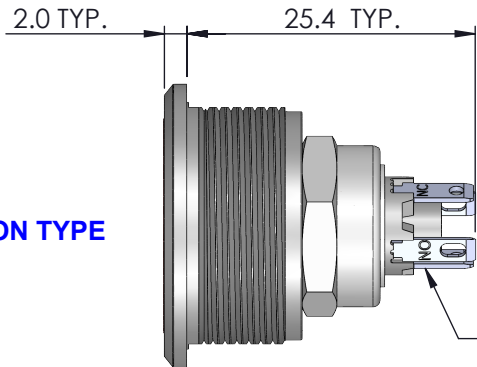
NO
TERMINAL
(OVAL HOLE)

NC
TERMINAL
(ROUND HOLE)

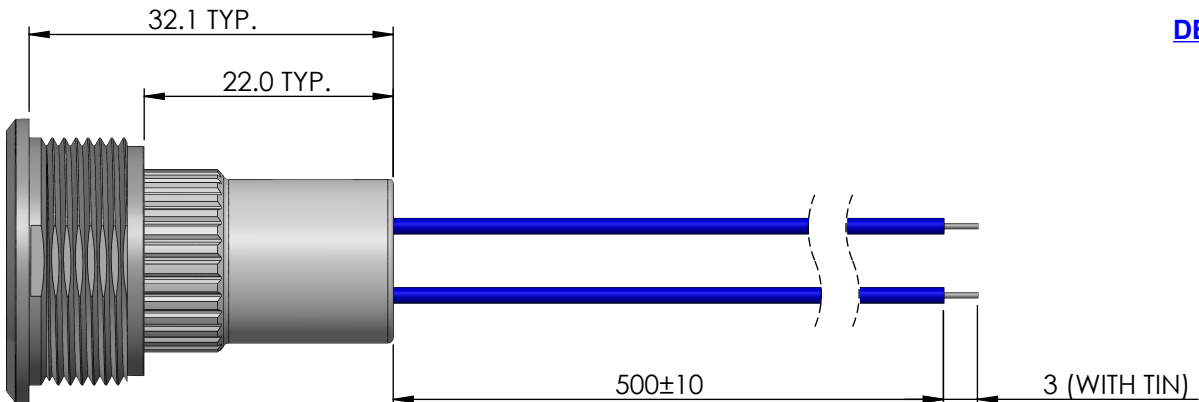
ANODE(+)
LED

DETAIL FOR TERMINAL POSITION

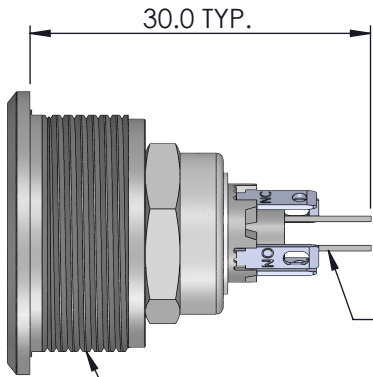
NON-ILLUMINATION TYPE



NO/NC
TERMINAL SIZE
W=2.20, T=0.50

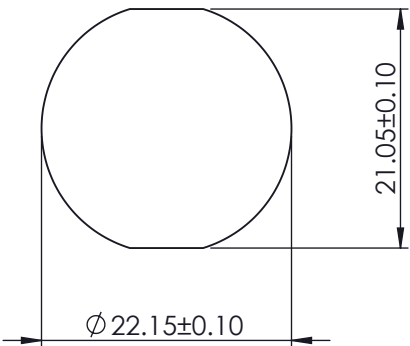
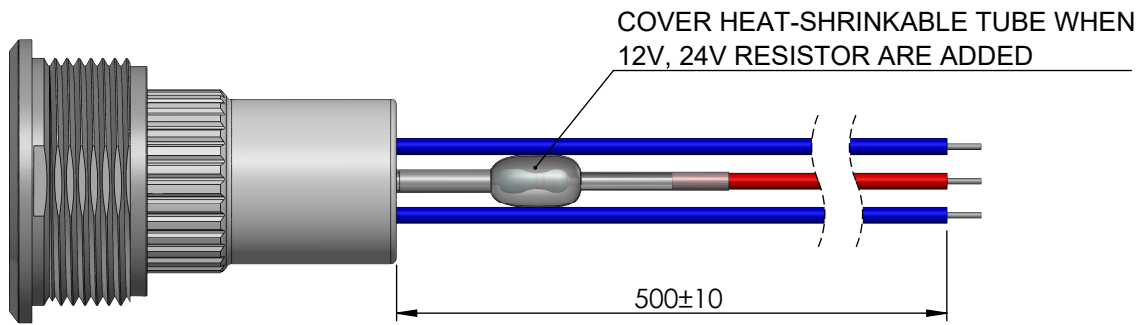


ILLUMINATION TYPE



LED TERMINALS
□0.51 (X2)
PITCH 2.54

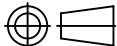
M22*P1.0



RECOMMENDED
PANEL CUT-OUT

DWG TYPE SALES DRAWING	DRAWN e.e.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA58M- MECHANICAL MOMENTARY, NON/RING ILLUMINATION/POWER- STANDBY LOGO					
STATUS RELEASE	REVIEW --		DWG NO. WSA58M-1,A,C,E					
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	DATE 2017/6/29	REF: ---						

REVISION RECORD				
REV.	DESCRIPTION	DATE	DRAWN BY	DOCUMENT NO.
1	FOR SALES DRAWING	2014.10.17	A.H.	--
2	RE-ARRANGEMENT DRAWING MODIFY SPECIFICATION	2018.01.22	C.C.	--
3	ADDING UL 61058 CERTIFICATION	2018.06.1	K.Y.	DCN-201800069
4	REDRAWN	2021.05.23	C.C.	DCN-202100075
5	ADD ELECTRICAL LIFE 5A@125/250VAC	2022.08.29	C.C.	DCN-202200068

DWG TYPE SALES DRAWING	DRAWN c.c.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA58M- MECHANICAL MOMENTARY, NON/RING ILLUMINATION/POWER- STANDBY LOGO					
STATUS RELEASE	REVIEW --		DWG NO. WSA58M-1,A,C,E					
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		DATE 2017/6/29	REF: ---					

F

E

D

C

B

A

F

E

D

C

B

A

WSA58M— ① ② ③ ④ ⑤ — ⑥

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

HOUSING MATERIAL CODE	HOUSING DESCRIPTION
1	STAINLESS STEEL
2	ALUMINUM, INHERENT

HOUSING ADAPTATION	BUTTON TYPE CODE	BUTTON DESCRIPTION
STAINLESS STEEL & ALUMINUM INHERENT HOUSING	0	NON-ILLUMINATION
	2	RING ILLUMINATION
	3	POWER/STANDBY ILLUMINATION
ALUMINUM INHERENT HOUSING	R	RED BUTTON, ONLY FOR NON-ILLUMINATION
	G	GREEN BUTTON, ONLY FOR NON-ILLUMINATION
	Y	YELLOW BUTTON, ONLY FOR NON-ILLUMINATION
	B	BLUE BUTTON, ONLY FOR NON-ILLUMINATION
	D	GOLD BUTTON, ONLY FOR NON-ILLUMINATION

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

LED INLET VOLTAGE CODE		LED INLET VOLTAGE
NON-WIRELEADS	IF BLANK*	FOLLOW LED SPECIFICATION
	IF BLANK*	FOLLOW LED SPECIFICATION
WIRELEADS	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 NOMINAL
PANEL THICKNESS: 0.5-4.5mm

CONTACTS: SILVER
NUT TORQUE FORCE: MAX 11.5 kgf*cm [10 LB*in]

ELECTRICAL LIFE:
MAINTAINED: 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)

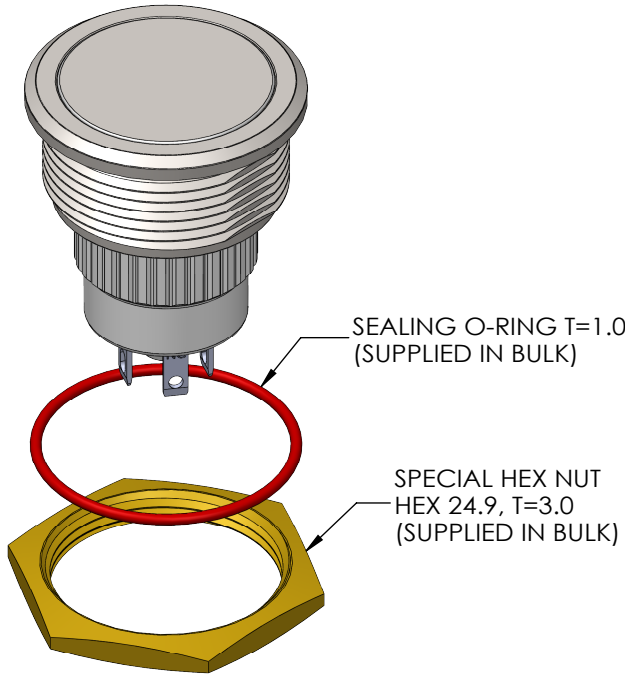
LED SPECIFICATIONS:
SEE LED SPECIFICATION

CERTIFICATION: UL 61058

* NOTE:
1.SUPPLY HEX NUT AND SEALING WASHER BULK IN PACKED

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	
		NO	NC	+	-
ILLUMINATION	SW :AWG24 / UL1007 LED: AWG26/UL1007	BLUE	YELLOW	RED	BLACK
NON-ILLUMINATION		BLUE	YELLOW	-	-



DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA58M-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION							
STATUS RELEASE	REVIEW A.H.									
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	DATE 2017/12/12	REF: 58M-A,B	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 3:2	REV 5				



F

E

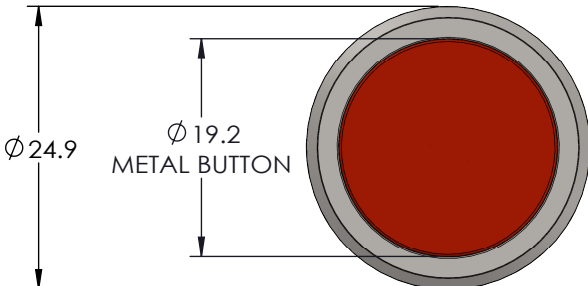
D

C

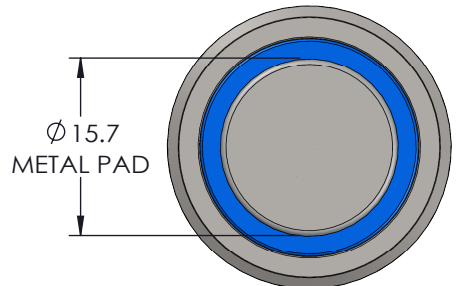
B

A

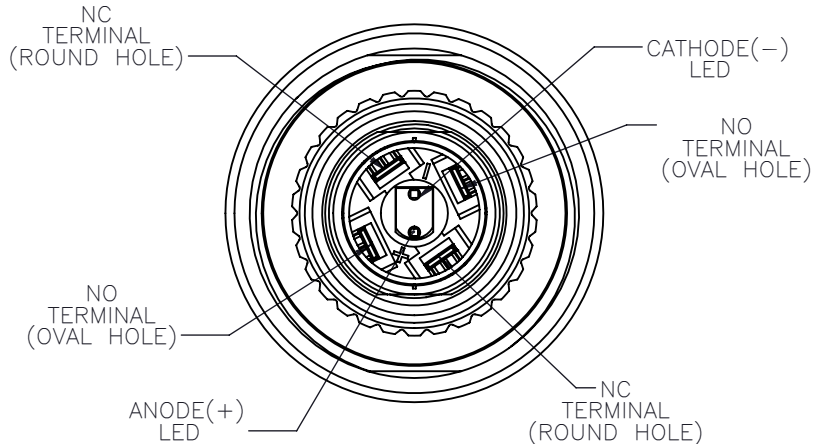
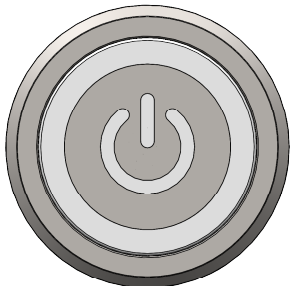
NON-ILLUMINATION
TYPE



ILLUMINATION
RING TYPE

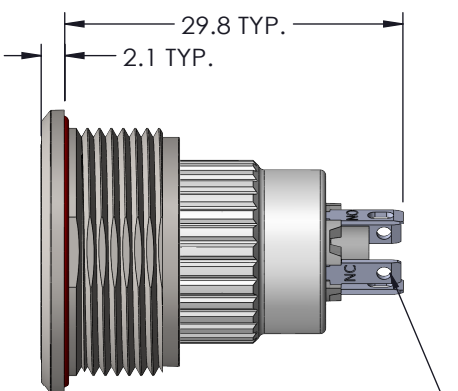


ILLUMINATION
POWER/STANBY TYPE

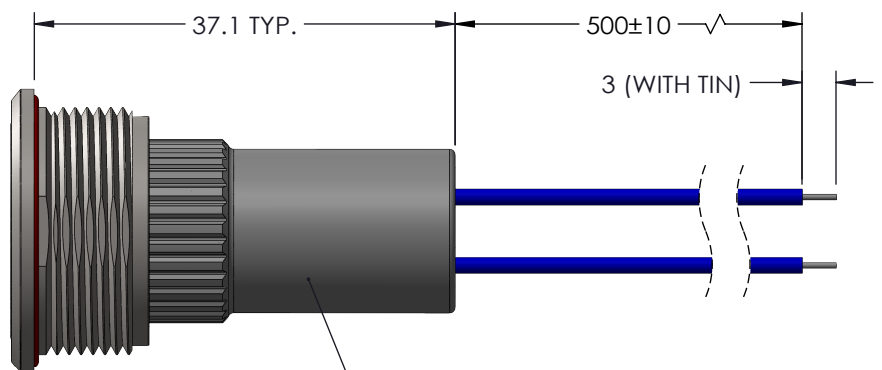


DETAIL FOR TERMINAL POSITION
SCALE: 2:1

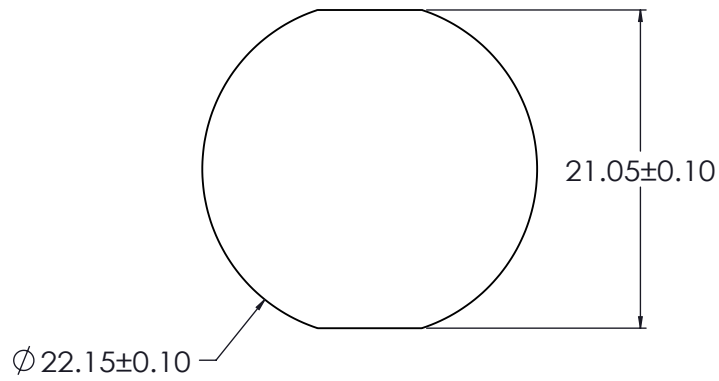
NON ILLUMINATION
TYPE



NO/NC TERMINAL SIZE
W=2.20,T=0.50

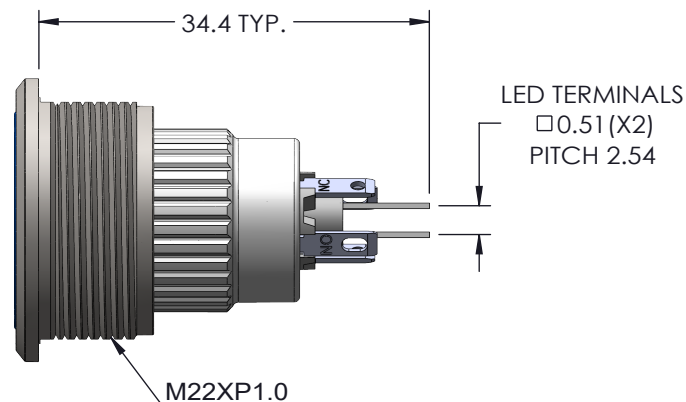


POTTIN NUT

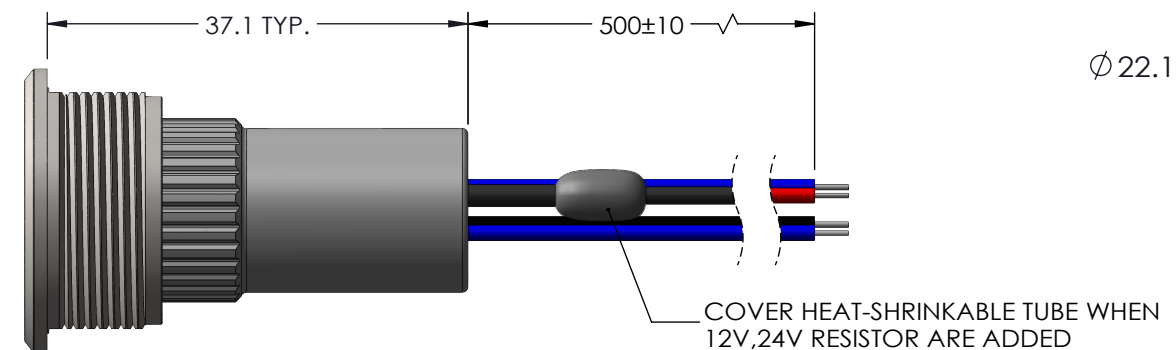


RECOMMENDED
PANEL CUT-OUT

ILLUMINATION
TYPE



M22XP1.0



COVER HEAT-SHRINKABLE TUBE WHEN
12V,24V RESISTOR ARE ADDED

DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°		DWG TITLE WSA58M-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION						
STATUS RELEASE	REVIEW A.H.									
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	DATE 2017/12/12	REF: 58M-A,B	☒ 管制文件 ☐ 非管制文件							Unit mm
						RoHS Compliant			SHEET 2 OF 3	

REVISION RECORD

REV	DESCRIPTION	DATE	DRAWN	DOCUMENT NO
1	FOR SALES DRAWING	2018.12.12	K.Y.	DCN-201700063
2	ADDING ELECTRICAL SPECIFICATIONS	2018/3/21	K.Y.	DCN-201800048
3	ADDING UL 61058 CERTIFICATION	2018/5/31	K.Y.	DCN-201800067
4	REDRAWN	2021/5/23	C.C.	DCN-202100075
5	ADD ELECTRICAL LIFE 5A@125/250VAC	2022.08.29	C.C.	DCN-202200068

DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE WSA58M-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION							
STATUS RELEASE	REVIEW A.H.		DWG NO. WSA58M-2,B,D,F							
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		DATE 2017/12/12	REF: 58M-A,B	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 3:2	REV 5	RoHS Compliant	SHEET 3 OF 3	