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WSA50 - 1 - 2 - 3 - 4 - 5 - 6 - 7

SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
1	MECHANICAL, MOMENTARY, SOLDER TERMINAL
A	MOMENTARY, NORMAL OPEN (NO), WIRE LEADS
C	MOMENTARY, NORMAL CLOSE (NC), WIRE LEADS
E	MOMENTARY, NORMAL OPEN/NORMAL CLOSE (NO/NC), WIRE LEADS

HOUSING TYPE CODE	HOUSING TYPE DESCRIPTION
RBK	ROUND, BLACK

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

BUTTON COLOR CODE	BUTTON COLOR
RD	RED
GR	GREEN
BK	BLACK
BL	BLUE
YL	YELLOW
OR	ORANGE

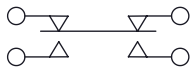
MOUNTING TYPE CODE	MOUNTING TYPE
B	BUSHING

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: 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: 0.5 - 3.0mm



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.

MECHANICAL LIFE:
MOMENTARY: 1,000,000 CYCLES NOMINAL.

ENVIROMENTAL SPECIFICATIONS:
OPERATING TEMPERATURE: -40°F to +185°F [-40°C to +85°C]
IP67

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

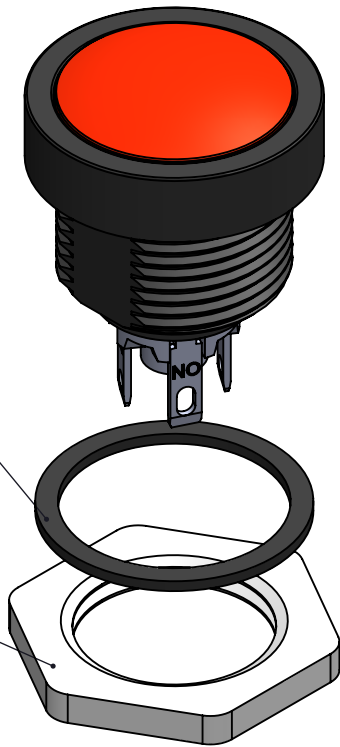
*** NOTE:**
1.SUPPLY HEX NUT AND SEALING WASHER BULK IN PACKED

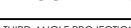
LED SPECIFICATION				
LED CODE	LED Color	CIRCUITRY	Vf(VDC)	If (mA)
			Color	
R	RED		1.8 ~ 2.5	20
B	BLUE		2.8 ~ 3.5	20
G	GREEN		2.8 ~ 3.5	20
Y	YELLOW		1.8 ~ 2.5	20
W	WHITE		2.8 ~ 3.5	20
Notes: 1.) Hand Soldering Temperature (4mm above from Body) : 320°C for 3 seconds				

WIRELEADS SPECIFICATION					
WIRELEADS TYPE	WIRELEADS SPECIFICATION	SW TERMINAL	SW TERMINAL	LED COLOR	
				+	-
ILLUMINATION	SW :AWG24 / UL1007 LED: AWG26/UL1007	BLUE	YELLOW	RED	BLACK
NON-ILLUMINATION		BLUE	YELLOW	-	-

SEALING WASHER ;T=0.80

SPECIAL HEX NUT
HEX 22, T=2.30



DWG TYPE SALES DRAWING	DRAWN H.W	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ± 5°	DWG TITLE WSA50-MECHANICAL MOMENTARY					
STATUS RELEASE	REVIEW H.W		DWG NO. WSA50-1,A,C,E					
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		DATE 2018.10.16	REF: ---	☒ 管制文件 ☐ 非管制文件		Unit mm		

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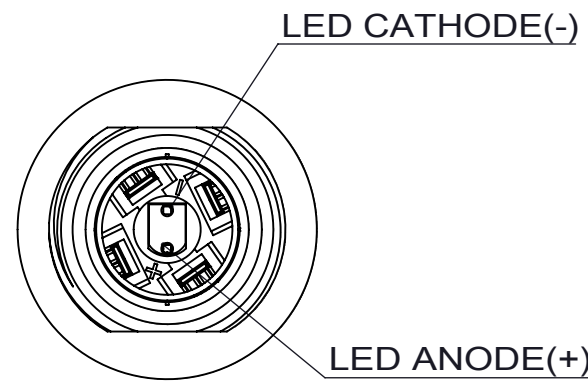
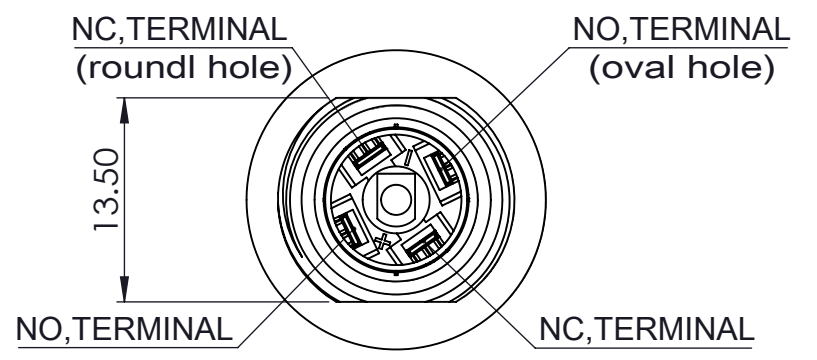
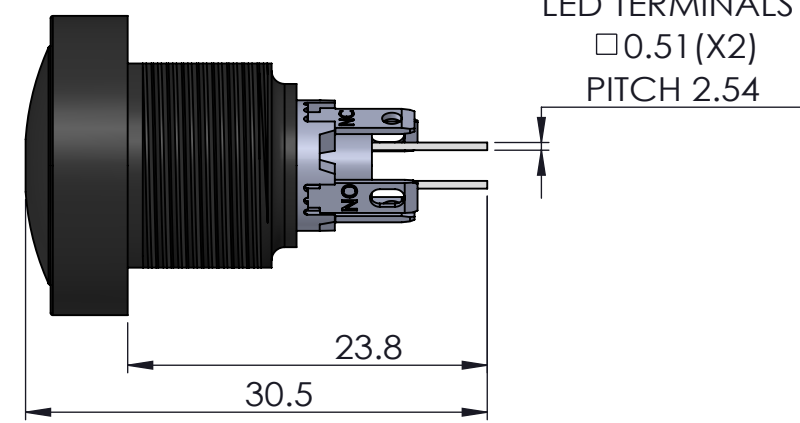
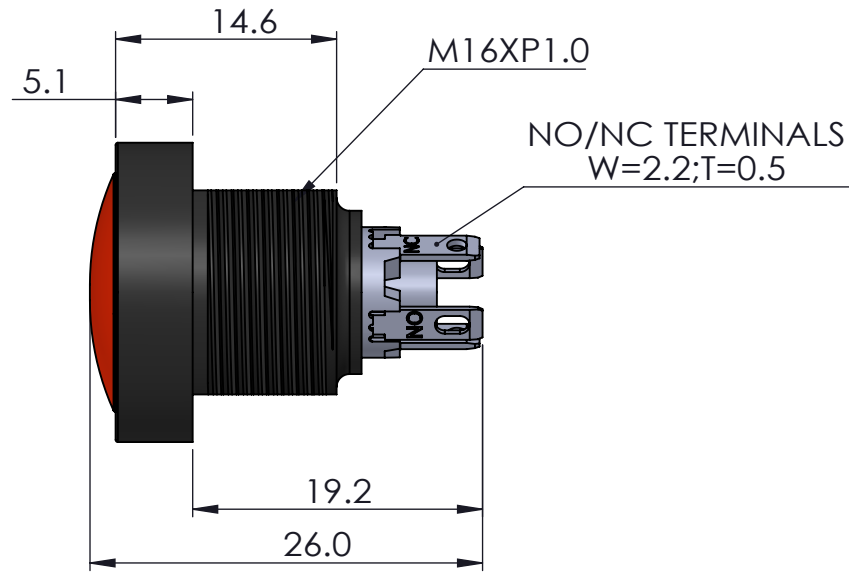
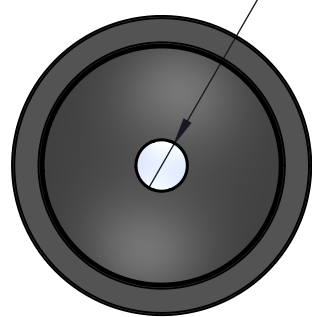
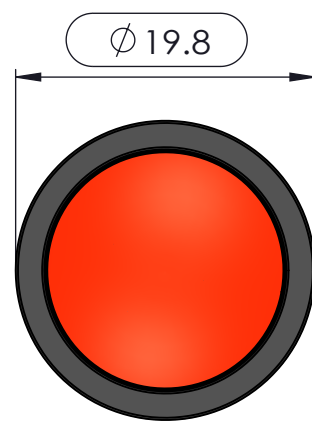
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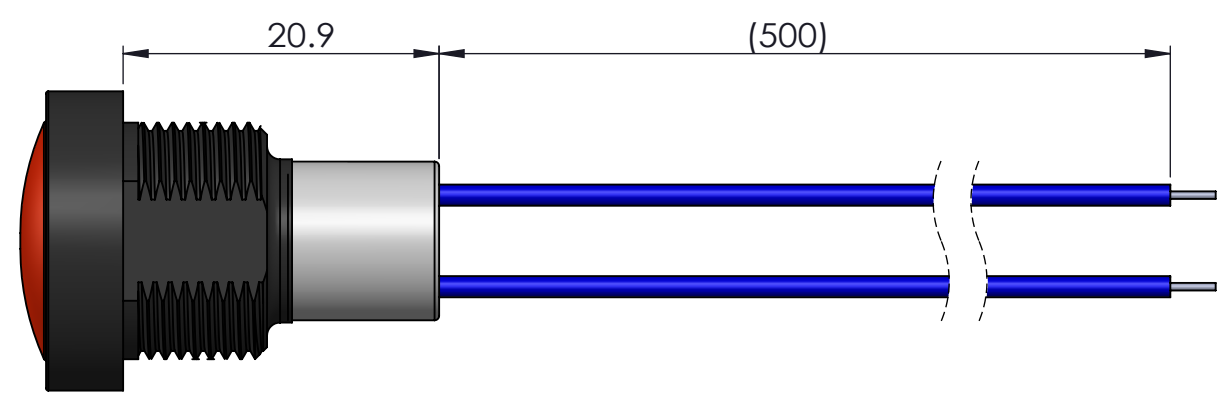
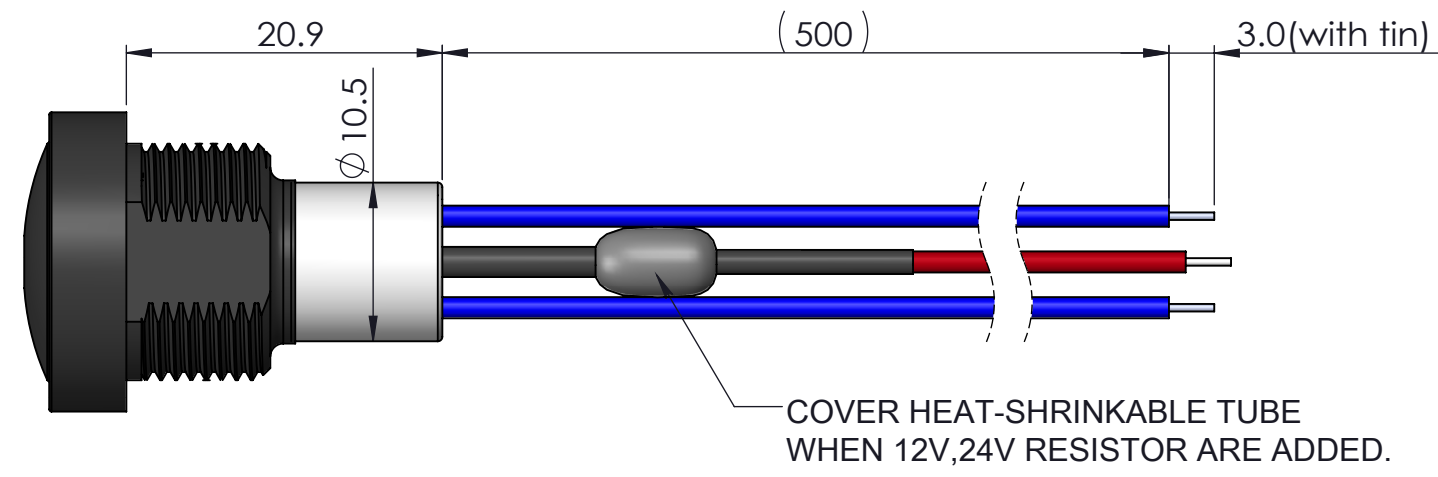
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ILLUMINATION

NON-ILLUMINATION



DWG TYPE SALES DRAWING	DRAWN H.W	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ± 5°	DWG TITLE WSA50-MECHANICAL MOMENTARY					
STATUS RELEASE	REVIEW H.W		DWG NO. WSA50-1,A,C,E					
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	DATE 2018.10.16	REF: ---	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 2 : 1	REV 4		
							RoHS Compliant	SHEET 2 OF 3

DWG TYPE SALES DRAWING	DRAWN H.W	TOLERANCES: UNLESS OTHERWISE NOTED	DWG TITLE				ITW SW TCH LUMEX®		
STATUS RELEASE	REVIEW H.W	X.X ± 0.5 X.XX ± 0.2 ANGULAR ± 5°	WSA50-MECHANICAL MOMENTARY						
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