WSA48M - (1) (2) (3) (4) (5) - (6)

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

HOUSING MATERIAL CODE	HOUSING DECSRIPTION
1	STAINLESS STEEL
2	ZINC ALLOY, CHROME PLATED
3	AL ALLOY ANODIZED BLACK

ILLU. TYPE CODE	ILLUMINATION TYPE DESCRIPTION
0	NON.-ILLUMINATION
1	CENTER SPOT ILLUMINATION (STAINLESS HOUSING ONLY)
2	RING ILLUMINATION
3	POWER/STANDBY SYMBOL ILLUMINATION

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

LED INLET VOLTAGE CODE		LED INLET VOLTAGE
NON-WIRELEADS	**IF BLANK***	(SEE NOTE)
WIRELEADS	**IF 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: 0.5 - 4.5mm
CONTACTS: SILVER
NUT TORQUE FORCE: MAX. 11.5 kgf*cm [10 LB*in]

ELECTRICAL LIFE:
5A@28VDC,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

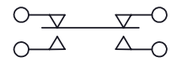
ELECTRICAL SPECIFICATIONS:

DIELECTRIC STRENGTH: 1,000VAC
INSULATION RESISTANCE: 1G OHM
CONTACT RESISTANCE:
50m /250m OHMS MAX. INITIAL(NON-WIRELEAD / WIRELEADS)

LED SPECIFICATIONS:
SEE LED SPECIFICATION

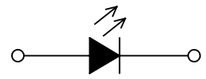
CERTIFICATION: UL 61058

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



SPDT-DB
SCHEMATIC

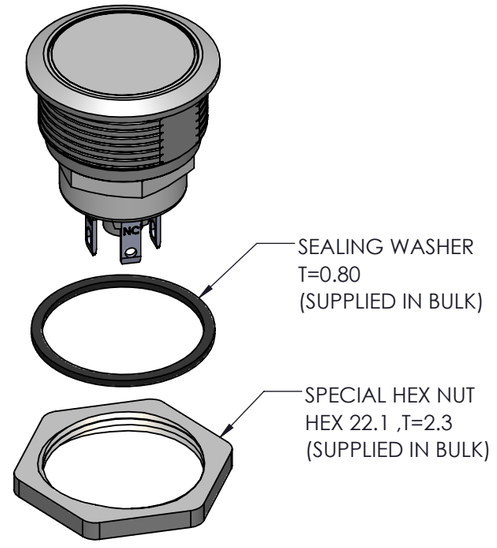
LED SPECIFICATION

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℃ for 3 seconds

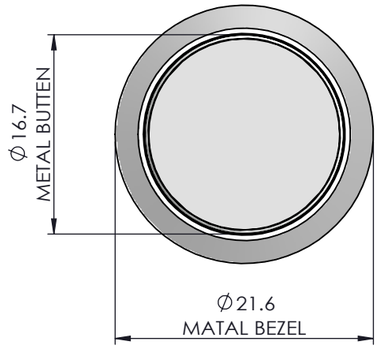
WIRELEADS SPECIFICATION

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	-	-

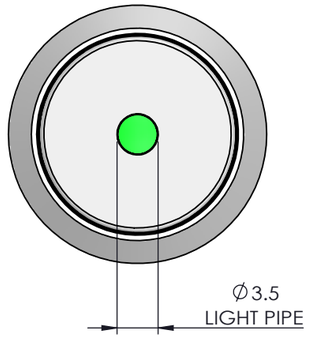


DWG TYPE: SALES DRAWING	DRAWN: e.e.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE: WSA48M-MECHANICAL MOMENTARY, NONE/ CENTER SPOT/RING/POWER-STANDBY ILLUMINATION		ITW SWITCH LUMEX
STATUS: RELEASE	REVIEW: --		DWG NO.: WSA48M-1,A,C,E		
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	DATE: 2017/6/21	REF: WSA48-1,A,C,E			

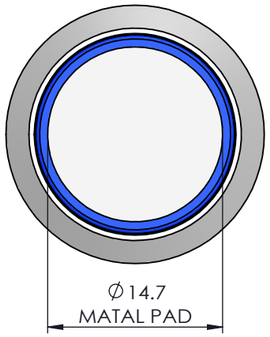
NON-ILLUMINATION



CENTER SPOT ILLUMINATION

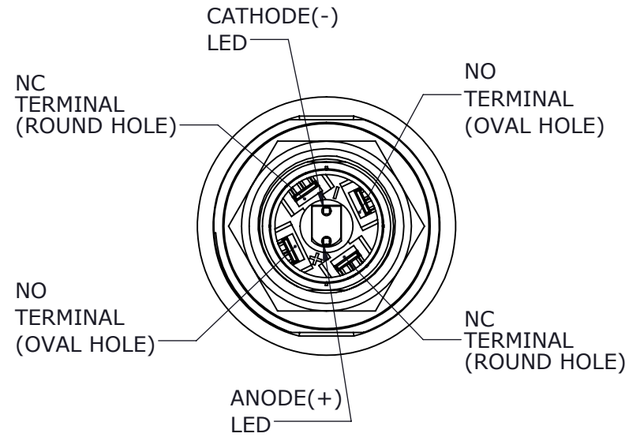


RING ILLUMINATION



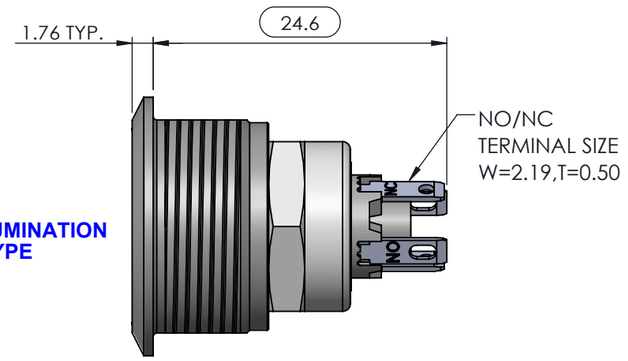
POWER/STANDBY ILLUMINATION



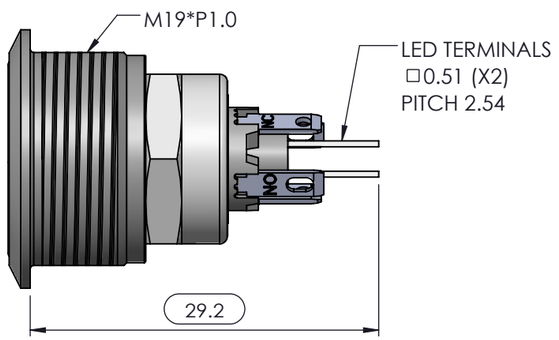


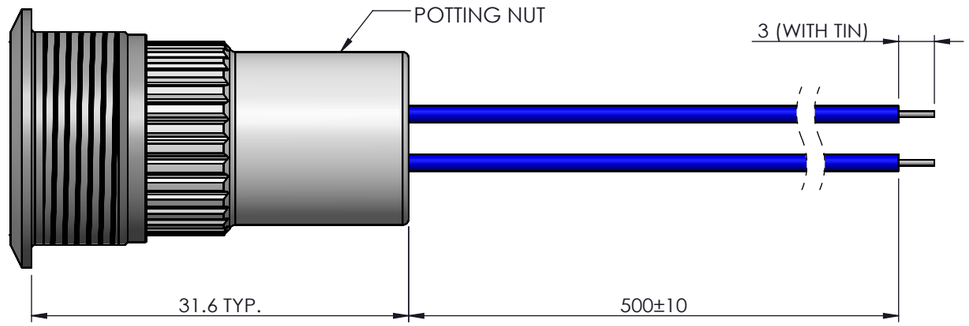
DETAIL FOR TERMINAL POSITION

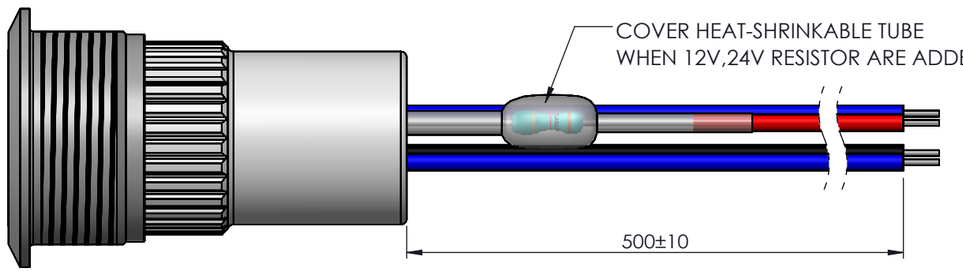
NON-ILLUMINATION TYPE

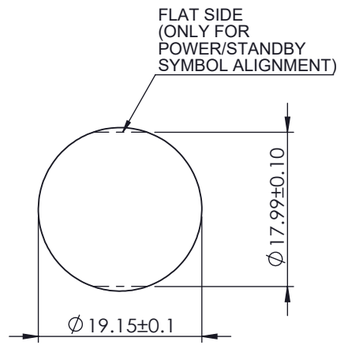


ILLUMINATION TYPE









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: WSA48M-MECHANICAL MOMENTARY, NONE/ CENTER SPOT/RING/POWER-STANDBY ILLUMINATION	ITW SWITCH LUMEX
STATUS: RELEASE	REVIEW: --		DWG NO.: WSA48M-1,A,C,E	
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	DATE: 2017/6/21	REF: WSA48-1,A,C,E		