

SA58M— 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 25KCYCLES 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)

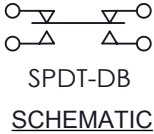
LED SPECIFICATIONS:

SEE LED SPECIFICATION

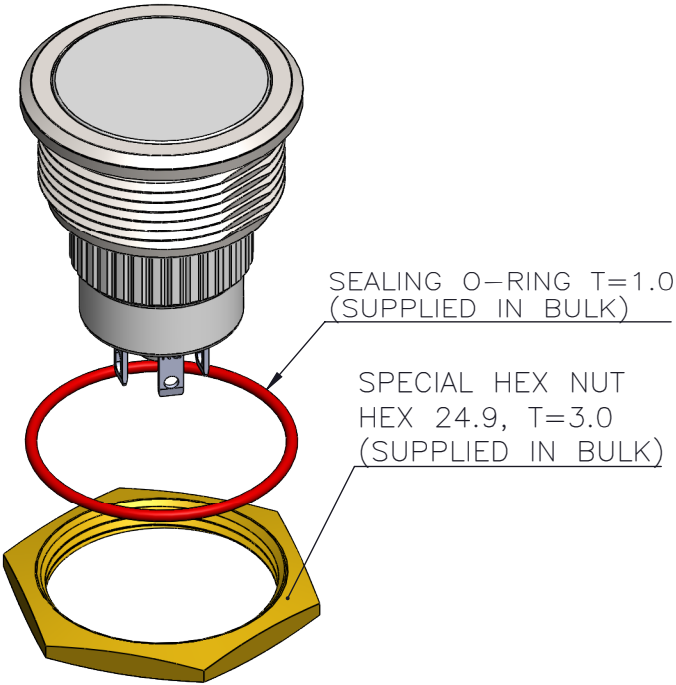
CERTIFICATION: UL 61058

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

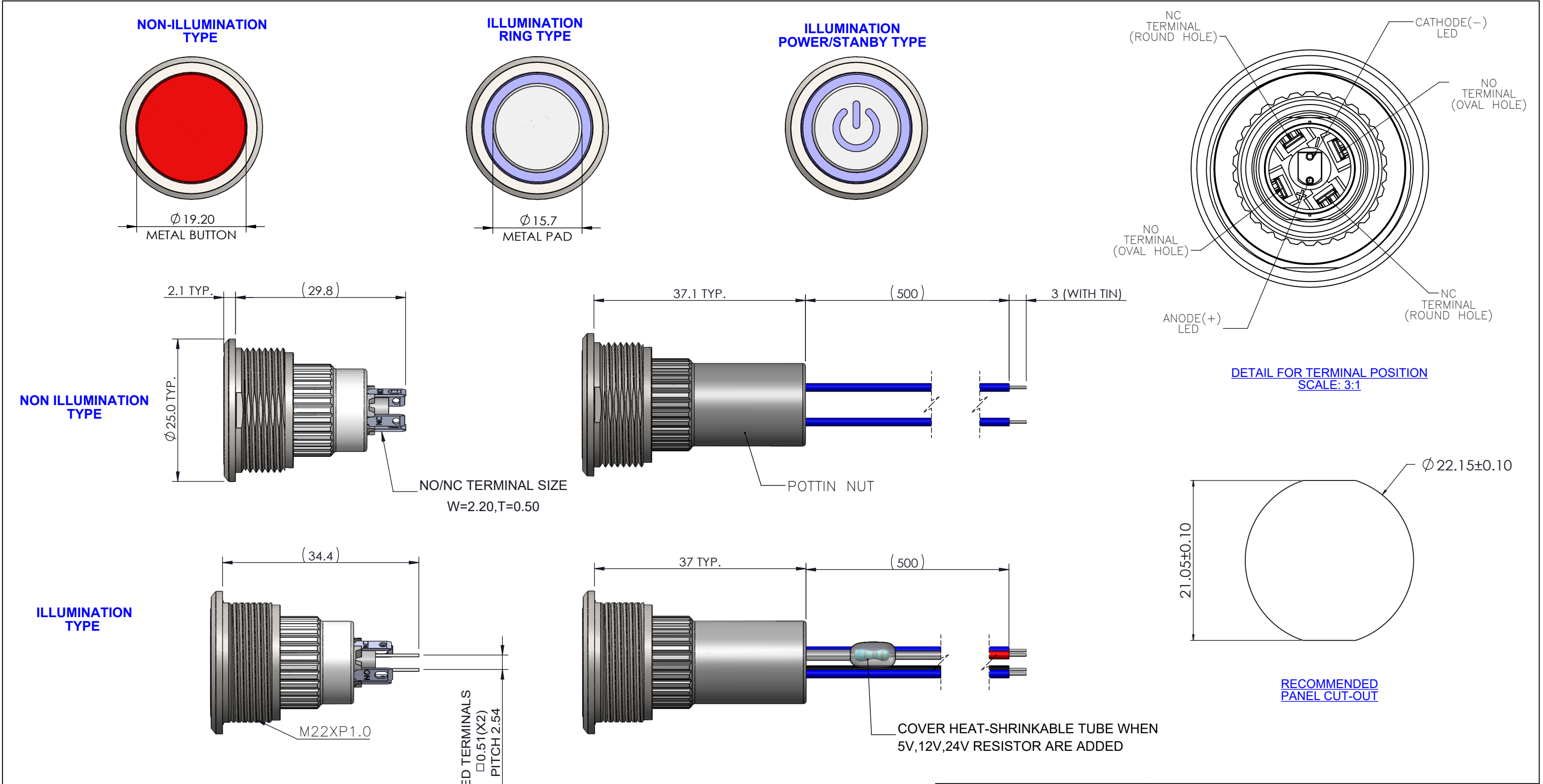
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LED SPECIFICATION					
LED CODE	LED Color	CIRCUITRY	Vf(VDC)	If (mA)	
			Color		
R	RED		1.8 ~ 2.5	20	
B	BLUE		2.8 ~ 3.5	20	
G	GREEN		2.8 ~ 3.5	20	
Y	YELLOW		1.8 ~ 2.5	20	
W	WHITE		2.8 ~ 3.5	20	
Notes: 1.) Lead Soldering Temperature (4mm above from Body) : 280°C for 5 seconds 2.) 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	AWG24 / UL1007	BLUE	YELLOW	RED	BLACK
NON-ILLUMINATION		BLUE	YELLOW	-	-



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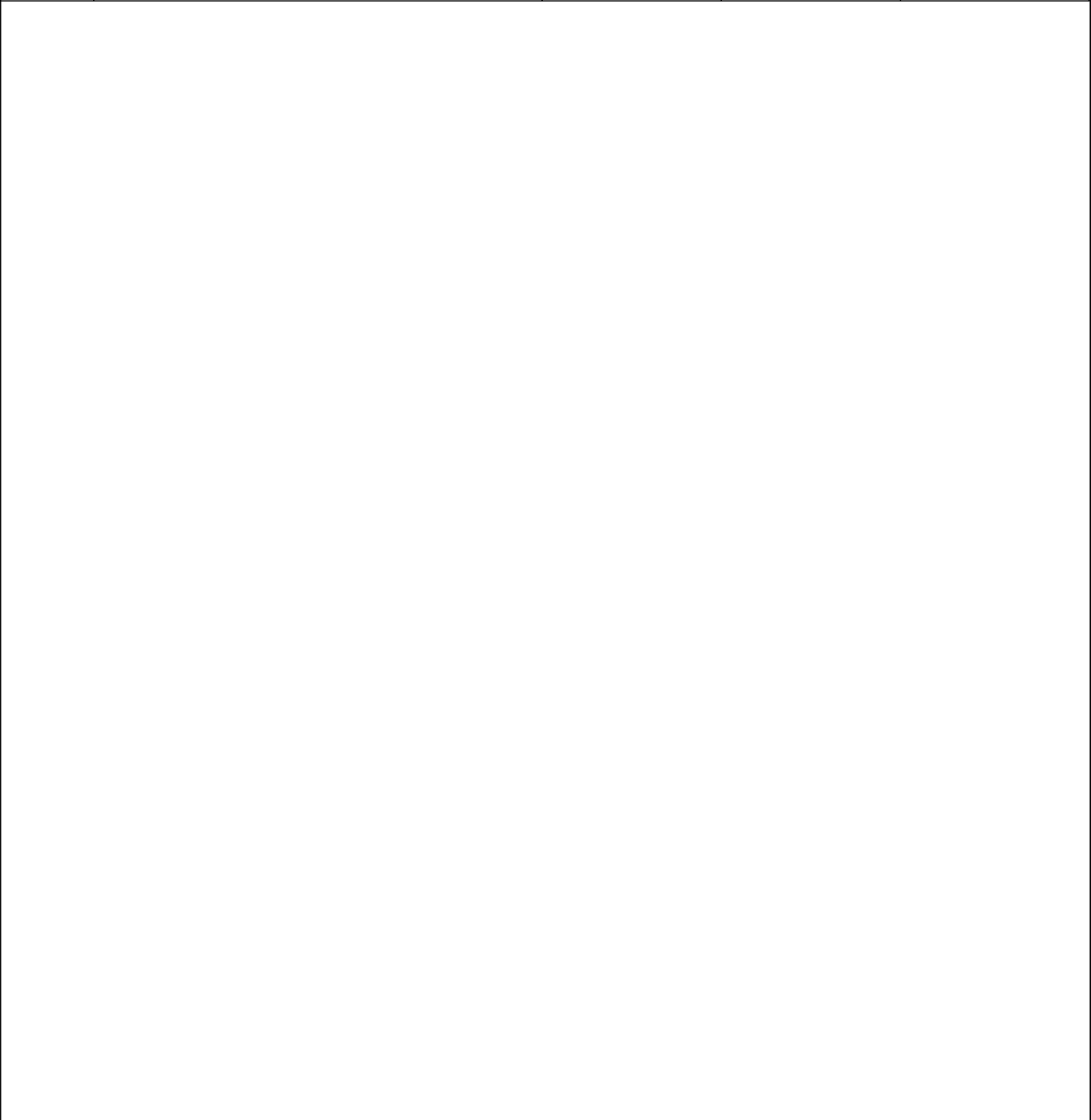
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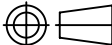
	Concept Drawing		Engineer Drawing	V	Sales Drawing
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RoHS Compliant	
Yes	No
✓	

DIMENSION ARE IN MILLIMETERS TOLERANCES: UNLESS OTHERWISE NOTED 1 PLACE DECIMAL ± 0.5 2 PLACE DECIMAL ± 0.2 ANGULAR ±1°			ITW Switches AN ILLINOIS TOOL WORKS COMPANY		
DATE 2017/12/12			DWG TITLE SA58M-MECHANICAL MAINTAIN. NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION		
DRAWN <i>K.Y.</i>		REVIEW <i>A.H.</i>	APPROVED <i>V.W.</i>	SIZE B	DWG NO. SA58M-2,B,D,F
THIRD ANGLE PROJECTION		SCALE : 3:2		REV 3 SHEET 2 OF 3	

REVISION RECORD				
REV.	DESCRIPTION	DATE	DRAWN BY	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



RoHS Compliant		DIMENSION ARE IN MILLIMETERS			 AN ILLINOIS TOOL WORKS COMPANY				
		TOLERANCES: UNLESS OTHERWISE NOTED 1 PLACE DECIMAL ±0.5 2 PLACE DECIMAL ±0.2 ANGULAR ±1°			DWG TITLE SA58M-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION				
Yes ✓	No	DATE 2017/12/12	REF: 58M- A, B			SIZE A4	DWG NO.	SA58M-2,B,D,F	REV 3
		DRAWN <i>K.Y.</i>	REVIEW <i>a.h.</i>	APPROVED <i>v.w.</i>		SCALE : -		SHEET 3 OF 3	