

ISSUE DATE:2021/10/26																	7	6	5	4	3	2	1
WH57M- X X X X XX / X																	F	F					
SWITCH FUNCTION CODE		SWITCH FUNCTION DESCRIPTION		HOUSING MATERIAL CODE	HOUSING DECSRIPTION	ILLU. TYPE CODE	ILLUMINATION TYPE DESCRIPTION		LED COLOR CODE	LED COLOR	LED INLET VOLTAGE CODE	LED INLET VOLTAGE	16 SERIES SWITCHE CODE	16 SERIES SWITCH	F	F							
1		MECHANICAL,MOMENTARY		1	ZINC ALLOY, VELOUR CHROME PLATED	0	NON.-LIT.		N	NONE	--	(SEE NOTE.2)	4044	16-4044	E	E							
2		MECHANICAL,MAINTAINED		2	ZINC ALLOY, MIRROR BLACK	1	CENTER SPOT ILLUMINATION		G	GREEN	05	5V (SEE NOTE 3)	40443	16-40443	E	E							
				3	ZINC ALLOY, MATT BLACK	2	RING ILLUMINATION		R	RED			530004	16-5300004	D	D							
				4	STAINLESS STEEL, NATURAL	3	POWER/STANDBY LOGO ILLUMINATION		A	AMBER			50443	16-50443	C	C							
				1. VELOUR CHROME / MATT BLACK / STAINLESS STEEL BUTTON SUPPLY FOR: NON-LIT. / RING ILL. / POWER ILL. 2. MIRROR BLACK BUTTON SUPPLY FOR: NON-LIT. / CENTER SPOT ILL. 3. HIGH BUTTON NON-ILLUMINATION ONLY SUPPLY FOR STAINLESS STEEL HOUSING.		4	HIGH BUTTON NON-ILLUMINATION		B	BLUE					B	B							
								W	WHITE							B	B						
								Y	YELLOW								B	B					
								RB	RED/BLUE									B	B				
									RG	RED/GREEN							A	A					
MECHANICAL CHARACTERISTICS: SWITCH CIRCUITRY: SPDT-DB SWITCH ACTION: MOMENTARY AND MAINTAINED (PER CHART) OPERATING FORCE: 18.5 oz NOMINAL(WITH 16 SWITCH) PANEL THICKNESS: 0 - .236 [0 - 6mm] OTHERS: REFER TO ITW SWITCHES 16 SERIES NUT TORQUE FORCE: MAX 10 LB/in [11.5 kgf/cm]																	D	D					
ENVIROMENTAL SPECIFICATIONS: ACTUATOR INGRESS PROTECTION: IP67 MECHANICAL OPERATING TEMPERATURE: MOMENTARY: -40°F to +185°F [-40°C to +85°C] MAINTAINED: -40°F to +149°F [-40°C to +65°C] OPERATING TEMPERATURE: -13°F to +185°F [-25°C to +85°C]																	C	C					
ELECTRICAL SPECIFICATIONS: (REFER TO ITW SWITCHES 16 SERIES)																	C	C					
LED SPECIFICATIONS: CONTINUOUS FORWARD CURRENT, TYP: 20 mA CONTINUOUS FORWARD CURRENT, MAX: 30 mA																	B	B					
ACTUATOR LIFE: MOMENTARY: 500,000 CYCLES NOMINAL MAINTAINED : 50,000 CYCLES NOMINAL																	B	B					
NOTE: 1. CURRENT LIMITING RESISTOR IS REQUIRED TO LIMIT LED FORWARD CURRENT TO 20mA 2. LED FORWARD VOLTAGE: RED, AMBER, YELLOW :2V; GREEN, BLUE, WHITE: 3.4V 3. 5V LED FORWARD VOLTAGE( THE RESISTANCE IS INSIDE LED): ONLY FOR RED, GREEN, BLUE AND WHITE : 5V																	B	B					
LED SPECIFICATION																	B	B					
LED CODE	LED SINGLE COLOR	Vf(VDC)	If (mA)	CIRCUITRY													B	B					
		TYP.															B	B					
R	RED	2.0	20														B	B					
A	AMBER	2.0	20														B	B					
Y	YELLOW	2.0	20														B	B					
G	GREEN	3.0	20														B	B					
B	BLUE	3.1	20														B	B					
W	WHITE	3.3	20														B	B					
LED CODE	BICOLOR LED		Vf(VDC)	If (mA)	CIRCUITRY												B	B					
	COLOR1 COLOR2		TYP.														B	B					
RB	RED	BLUE	2.0(RED) 3.3(BLUE)	20													B	B					
RG	RED	GREEN	2.0(RED) 3.4(GREEN)	20													B	B					
Notes: Hand Soldering Temperature (4mmabove from Body) : 320°C for 3 seconds																	B	B					
HIGH BUTTON NON-ILLUMINATION																	B	B					
NONE ILLUMINATION																	B	B					
POWER/STANDBY ILLUMINATION																	B	B					
SEALING WASHER T=0.80 (SUPPLIED IN BLUK)																	B	B					
SPECIAL HEX NUT HEX 20.01, T=2.3 (SUPPLIED IN BLUK)																	B	B					
DWG TYPE SALES DRAWING																	A	A					
DRAWN y.w.																	A	A					
TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.25 ANGULAR ± 5°																	A	A					
DWG TITLE WH57M- MECHANICAL, MOMENTARY/MAINTAINED, NONE ILLUMINATION/ILLUMINATION																	A	A					
STATUS RELEASE																	A	A					
REVIEW j.w.																	A	A					
APPROVED P.L.																	A	A					
THIRD ANGLE PROJECTION																	A	A					
DATE 9 MAR,'09																	A	A					
REF: 57M-1~57M-2																	A	A					
DWG NO. WH57M-1,2																	A	A					
管制文件 非管制文件																	A	A					
Unit mm																	A	A					
SCALE 2 : 1																	A	A					
REV 4																	A	A					
RoHS Compliant																	A	A					
SHEET 1 OF 3																	A	A					

