

ISSUE DATE:2021/10/26										7	6	5	4	3	2	1																																																										
WS57M—										①	②	③	④	⑤	—	⑥																																																										
SWITCH FUNCTION CODE		SWITCH FUNCTION DESCRIPTION		HOUSING MATERIAL CODE		HOUSING DECSRIPTION		BUTTON TYPE CODE		BUTTON TYPE DESCRIPTION		LED COLOR CODE		LED COLOR		LED INLET VOLTAGE CODE		LED INLET VOLTAGE		ANY CODE		DESCRIPTION																																																				
1		MECHANICAL,MOMENTARY,SOLDER TERMINAL		1		ZINC ALLOY,VELOUR CHROME PLATED		0		NON.-ILLUMINATION		N		NONE		NON-WIRELEADS		IF BLANK*		FOLLOW LED SPECIFICATION		IF BLANK*		NA																																																		
2		MECHANICAL,MAINTAIN,SOLDER TERMINAL		2		ZINC ALLOY,MIRROR BLACK		1		CENTER SPOT ILLUMINATION		R		RED				05		5V (SEE NOTE3)		D		SHORT SLEEVE																																																		
5		MECHANICAL,MOMENTARY,P.C. TERMINAL		3		ZINC ALLOY, MATT BLACK		2		RING ILLUMINATION		A		AMBER		WIRELEADS		IF BLANK*		FOLLOW LED SPECIFICATION																																																						
6		MECHANICAL,MAINTAIN,P.C. TERMINAL		4		STAINLESS STEEL, NATURAL		3		POWER/STANDBY SYMBOL ILLUMINATION		Y		YELLOW				05		5V (SEE NOTE3)																																																						
A		MECHANICAL,MOMENTARY, WIRELEADS						4		HIGH BUTTON NON-ILLUMINATION		B		BLUE				12		12V																																																						
B		MECHANICAL,MAINTAIN,WIRELEADS										G		GREEN				24		24V																																																						
												W		WHITE																																																												
												RB		RED/BLUE																																																												
												RG		RED/GREEN																																																												
MECHANICAL CHARACTERISTICS: SWITCH CIRCUITRY: SPST-NO-DB (CONTACT FORM X) SWITCH ACTION: MOMENTARY/MAINTAINED (PER CHART) BUTTON TRAVEL: 2.3mm [.090] NOMINAL OPERATING FORCE: 306g[3N] NOMINAL CONTACT BOUNCE: 1ms NOMINAL PANEL THICKNESS: 0.5 - 6.0mm [.020 - .236] SWITCH CONTACTS: SILVER PLATED NUT TORQUE FORCE: MAX 11.5 kgf/cm [10 LB/in] ENVIRONMENTAL SPECIFICATIONS: ACTUATOR INGRESS PROTECTION: IP67 OPERATING TEMPERATURE: MOMENTARY TYPE: -40°C to +85°C [-40°F to +185°F] MAINTAINED TYPE: -25°C to +85°C [-13°F to +185°F] ELECTRICAL SPECIFICATIONS: MOMENTRAY: 10mA@12VAC, 200K CYCLES NOMINAL MAINTAINED : 20K CYCLES NOMINAL DIELECTRIC STRENGTH: 1,000VAC INSULATION RESISTANCE: 1G OHM CONTACT RESISTANCE: 50m/250m OHMS MAX INITIAL(NON-WIRELEADS/WIRELEADS) LED SPECIFICATIONS: SEE LED SPECIFICATION NOTE 1. CURRENT LIMITING RESISTOR IS REQUIRED TO LIMIT LED FORWARD CURRENT TO 20mA 2. SUPPLY HEX NUT AND SEALING WASHER BULK PACKED 3.INNER RESISTOR ONLY FOR LED :RED / BLUE / GREEN / WHITE.																																																																										
LED SPECIFICATION <table><thead><tr><th rowspan="2">LED CODE</th><th rowspan="2">LED SINGLE COLOR</th><th>Vf(VDC)</th><th rowspan="2">If (mA)</th><th rowspan="2">CIRCUITRY</th></tr><tr><th>TYP.</th></tr></thead><tbody><tr><td>R</td><td>RED</td><td>2.0</td><td>20</td><td rowspan="6"></td></tr><tr><td>A</td><td>AMBER</td><td>2.0</td><td>20</td></tr><tr><td>Y</td><td>YELLOW</td><td>2.0</td><td>20</td></tr><tr><td>G</td><td>GREEN</td><td>3.0</td><td>20</td></tr><tr><td>B</td><td>BLUE</td><td>3.1</td><td>20</td></tr><tr><td>W</td><td>WHITE</td><td>3.3</td><td>20</td></tr></tbody></table> BICOLOR LED <table><thead><tr><th rowspan="2">LED CODE</th><th colspan="2">BICOLOR LED</th><th>Vf(VDC)</th><th rowspan="2">If (mA)</th><th rowspan="2">CIRCUITRY</th></tr><tr><th>COLOR1</th><th>COLOR2</th><th>TYP.</th></tr></thead><tbody><tr><td>RB</td><td>RED</td><td>BLUE</td><td>2.0(RED) 3.3(BLUE)</td><td>20</td><td rowspan="2"></td></tr><tr><td>RG</td><td>RED</td><td>GREEN</td><td>2.0(RED) 3.4(GREEN)</td><td>20</td></tr></tbody></table> Notes: Hand Soldering Temperature (4mmabove from Body) : 320°C for 3 seconds																								LED CODE	LED SINGLE COLOR	Vf(VDC)	If (mA)	CIRCUITRY	TYP.	R	RED	2.0	20		A	AMBER	2.0	20	Y	YELLOW	2.0	20	G	GREEN	3.0	20	B	BLUE	3.1	20	W	WHITE	3.3	20	LED CODE	BICOLOR LED		Vf(VDC)	If (mA)	CIRCUITRY	COLOR1	COLOR2	TYP.	RB	RED	BLUE	2.0(RED) 3.3(BLUE)	20		RG	RED	GREEN	2.0(RED) 3.4(GREEN)	20
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FLAT SIDE(ONLY FOR POWER/STANDBY SYMBOL ALIGNMENT) Ø 16.15±0.10 14.80±0.10 RECOMENDED PANEL CUT-OUT SEALING WASHER T=0.80 (SUPPLIED IN BLUK) SPECIAL HEX NUT HEX 20.01, T=2.3 (SUPPLIED IN BLUK)																																																																										
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