

DCC DOCUMENT ISSUE DATE:2021/10/26										7	6	5	4	3	2	1																																																																																											
D57M- X X X X XX																																																																																																											
<table><tr><th>SWITCH FUNCTION CODE</th><th>SWITCH FUNCTION DESCRIPTION</th></tr><tr><td>1</td><td>MECHANICAL,MOMENTARY,SOLDER TERMINAL</td></tr><tr><td>A</td><td>MECHANICAL,MOMENTARY,WIRELEADS</td></tr></table>		SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION	1	MECHANICAL,MOMENTARY,SOLDER TERMINAL	A	MECHANICAL,MOMENTARY,WIRELEADS	<table><tr><th>HOUSING MATERIAL CODE</th><th>HOUSING DESCRIPTION</th></tr><tr><td>1</td><td>ZINC ALLOY,VELOUR CHROMED PLATED</td></tr></table>		HOUSING MATERIAL CODE	HOUSING DESCRIPTION	1	ZINC ALLOY,VELOUR CHROMED PLATED	<table><tr><th>ILLU. TYPE CODE</th><th>ILLUMINATION TYPE DESCRIPTION</th></tr><tr><td>0</td><td>NON-ILLUMINATION</td></tr><tr><td>2</td><td>RING ILLUMINATION</td></tr><tr><td>3</td><td>POWER/STANDBY SYMBOL ILLUMINATION</td></tr></table>		ILLU. TYPE CODE	ILLUMINATION TYPE DESCRIPTION	0	NON-ILLUMINATION	2	RING ILLUMINATION	3	POWER/STANDBY SYMBOL ILLUMINATION	<table><tr><th>LED COLOR CODE</th><th>LED COLOR</th></tr><tr><td>N</td><td>NONE</td></tr><tr><td>R</td><td>RED</td></tr><tr><td>G</td><td>GREEN</td></tr><tr><td>Y</td><td>YELLOW</td></tr><tr><td>A</td><td>AMBER</td></tr><tr><td>B</td><td>BLUE</td></tr><tr><td>W</td><td>WHITE</td></tr><tr><td>RB</td><td>RED/BLUE</td></tr><tr><td>RG</td><td>RED/GREEN</td></tr></table>		LED COLOR CODE	LED COLOR	N	NONE	R	RED	G	GREEN	Y	YELLOW	A	AMBER	B	BLUE	W	WHITE	RB	RED/BLUE	RG	RED/GREEN	<table><tr><th colspan="2">LED INLET VOLTAGE CODE</th><th>LED INLET VOLTAGE</th></tr><tr><td rowspan="2">NON- WIRELEADS</td><td>IF BLANK*</td><td>(SEE NOTE)</td></tr><tr><td>05</td><td>5V</td></tr><tr><td rowspan="3">WIRELEADS</td><td>IF BLANK*</td><td>(SEE NOTE)</td></tr><tr><td>05</td><td>5V</td></tr><tr><td>12</td><td>12V</td></tr><tr><td></td><td>24</td><td>24V</td></tr></table>			LED INLET VOLTAGE CODE		LED INLET VOLTAGE	NON- WIRELEADS	IF BLANK*	(SEE NOTE)	05	5V	WIRELEADS	IF BLANK*	(SEE NOTE)	05	5V	12	12V		24	24V																																									
SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION																																																																																																										
1	MECHANICAL,MOMENTARY,SOLDER TERMINAL																																																																																																										
A	MECHANICAL,MOMENTARY,WIRELEADS																																																																																																										
HOUSING MATERIAL CODE	HOUSING DESCRIPTION																																																																																																										
1	ZINC ALLOY,VELOUR CHROMED PLATED																																																																																																										
ILLU. TYPE CODE	ILLUMINATION TYPE DESCRIPTION																																																																																																										
0	NON-ILLUMINATION																																																																																																										
2	RING ILLUMINATION																																																																																																										
3	POWER/STANDBY SYMBOL ILLUMINATION																																																																																																										
LED COLOR CODE	LED COLOR																																																																																																										
N	NONE																																																																																																										
R	RED																																																																																																										
G	GREEN																																																																																																										
Y	YELLOW																																																																																																										
A	AMBER																																																																																																										
B	BLUE																																																																																																										
W	WHITE																																																																																																										
RB	RED/BLUE																																																																																																										
RG	RED/GREEN																																																																																																										
LED INLET VOLTAGE CODE		LED INLET VOLTAGE																																																																																																									
NON- WIRELEADS	IF BLANK*	(SEE NOTE)																																																																																																									
	05	5V																																																																																																									
WIRELEADS	IF BLANK*	(SEE NOTE)																																																																																																									
	05	5V																																																																																																									
	12	12V																																																																																																									
	24	24V																																																																																																									
MECHANICAL CHARACTERISTICS: SWITCH CIRCUITRY: SPST-NO-DB (CONTACT FORM X) SWITCH ACTION: MOMENTARY BUTTON TRAVEL: 1.6mm [.063] NOMINAL OPERATING FORCE: 306g [3N] NOMINAL CONTACT BOUNCE: 1ms NOMINAL PANEL THICKNESS: 0.5 - 5.0mm [.020 - .197] SWITCH CONTACTS: SILVER PLATED NUT TORQUE FORCE: 11.5 kgf/cm [MAX 10 LB/in] ENVIROMENTAL SPECIFICATIONS: ACTUATOR INGRESS PROTECTION: IP67 OPERATING TEMPERATURE: NON-ILLUMINATION TYPE: -40°C to +85°C [-40°F to +185°F] ILLUMINATION TYPE: -40°C to +85°C [-40°F to +185°F] MOMENTARY:-40°C to +85°C [-40°F to +185°F] ELECTRICAL SPECIFICATIONS: CURRENT RATINGS: 10mA@12VDC, 100K cycles DIELECTRIC STRENGTH: 1,000VAC INSULATION RESISTANCE: 1G OHM CONTACT RESISTANCE: 50m OHMS MAX INITIAL(NON-WIRELEADS) 250m OHMS MAX INITIAL(WIRELEADS) 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. <table><tr><th colspan="5">LED SPECIFICATION</th></tr><tr><th rowspan="2">LED CODE</th><th rowspan="2">LED SINGLE COLOR</th><th>Vf(VDC)</th><th>If</th><th rowspan="2">CIRCUITRY</th></tr><tr><th>TYP.</th><th>(mA)</th></tr><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><tr><th rowspan="2">LED CODE</th><th colspan="2">BICOLOR LED</th><th>Vf(VDC)</th><th>If</th><th rowspan="2">CIRCUITRY</th></tr><tr><th>COLOR1</th><th>COLOR2</th><th>TYP.</th><th>(mA)</th></tr><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><tr><td colspan="6">NOTE: Hand Soldering Temperature (4mmabove from Body) : 320°C for 3 seconds</td></tr></table><table><tr><th colspan="6">WIRELEADS SPECIFICATION</th></tr><tr><th rowspan="2">WIRELEADS TYPE</th><th rowspan="2">WIRELEADS SPECIFICATION</th><th colspan="2">SW TERMINAL</th><th colspan="2">LED</th></tr><tr><th>/</th><th>O</th><th>+</th><th>-</th></tr><tr><td>ILLUMINATION</td><td rowspan="2">AWG26 / UL1007</td><td>BLUE</td><td>BLUE</td><td>RED</td><td>BLACK</td></tr><tr><td>NON-ILLUMINATION</td><td>BLUE</td><td>BLUE</td><td>--</td><td>--</td></tr></table>																	LED SPECIFICATION					LED CODE	LED SINGLE COLOR	Vf(VDC)	If	CIRCUITRY	TYP.	(mA)	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	CIRCUITRY	COLOR1	COLOR2	TYP.	(mA)	RB	RED	BLUE	2.0(RED) 3.3(BLUE)	20		RG	RED	GREEN	2.0(RED) 3.4(GREEN)	20	NOTE: Hand Soldering Temperature (4mmabove from Body) : 320°C for 3 seconds						WIRELEADS SPECIFICATION						WIRELEADS TYPE	WIRELEADS SPECIFICATION	SW TERMINAL		LED		/	O	+	-	ILLUMINATION	AWG26 / UL1007	BLUE	BLUE	RED	BLACK	NON-ILLUMINATION	BLUE	BLUE	--	--
LED SPECIFICATION																																																																																																											
LED CODE	LED SINGLE COLOR	Vf(VDC)	If	CIRCUITRY																																																																																																							
		TYP.	(mA)																																																																																																								
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	CIRCUITRY																																																																																																						
	COLOR1	COLOR2	TYP.	(mA)																																																																																																							
RB	RED	BLUE	2.0(RED) 3.3(BLUE)	20																																																																																																							
RG	RED	GREEN	2.0(RED) 3.4(GREEN)	20																																																																																																							
NOTE: Hand Soldering Temperature (4mmabove from Body) : 320°C for 3 seconds																																																																																																											
WIRELEADS SPECIFICATION																																																																																																											
WIRELEADS TYPE	WIRELEADS SPECIFICATION	SW TERMINAL		LED																																																																																																							
		/	O	+	-																																																																																																						
ILLUMINATION	AWG26 / UL1007	BLUE	BLUE	RED	BLACK																																																																																																						
NON-ILLUMINATION		BLUE	BLUE	--	--																																																																																																						
<table><tr><td>DWG TYPE SALES DRAWING</td><td>DRAWN y.w.</td><td colspan="2">TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.38 ANGULAR ±1</td><td colspan="3">DWG TITLE D57M-MECHANICAL MOMENTARY, SOLDER TERMINAL, MINI HOUSING, WIRELEADS, NONE/RING/POWER-STANDBY ILLUMINATION</td><td colspan="3" rowspan="2"></td></tr><tr><td>STATUS RELEASE</td><td>REVIEW g.y.</td><td colspan="2">THIRD ANGLE PROJECTION </td><td colspan="3">DWG NO. D57M-1,A</td></tr><tr><td colspan="2" rowspan="2">This document is the intellectual property of ITW Electronic Business Asia Co., Limited and may contain confidential, proprietary, privileged information protected by law. Neither this document nor any information it contains can be reproduced, transformed to any other format, or distributed, without written permission by ITW Electronic Business Asia Co., Limited. 本文文件為安天德百電股份有限公司之智慧財產，非經許可不得翻取、複製、轉變成其他形式使用或散布</td><td>APPROVED p.l.</td><td>REF: S57M-9018X</td><td>管制文件 非管制文件</td><td>Unit mm</td><td>SCALE 3 : 2</td><td>REV 3</td><td>RoHS Compliant</td><td>SHEET 1 OF 3</td></tr><tr><td>DATE 2012.11.13</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										DWG TYPE SALES DRAWING	DRAWN y.w.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.38 ANGULAR ±1		DWG TITLE D57M-MECHANICAL MOMENTARY, SOLDER TERMINAL, MINI HOUSING, WIRELEADS, NONE/RING/POWER-STANDBY ILLUMINATION						STATUS RELEASE	REVIEW g.y.	THIRD ANGLE PROJECTION 		DWG NO. D57M-1,A			This document is the intellectual property of ITW Electronic Business Asia Co., Limited and may contain confidential, proprietary, privileged information protected by law. Neither this document nor any information it contains can be reproduced, transformed to any other format, or distributed, without written permission by ITW Electronic Business Asia Co., Limited. 本文文件為安天德百電股份有限公司之智慧財產，非經許可不得翻取、複製、轉變成其他形式使用或散布		APPROVED p.l.	REF: S57M-9018X	管制文件 非管制文件	Unit mm	SCALE 3 : 2	REV 3	RoHS Compliant	SHEET 1 OF 3	DATE 2012.11.13								8	7	6	5	4	3	2	1																																																							
DWG TYPE SALES DRAWING	DRAWN y.w.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.38 ANGULAR ±1		DWG TITLE D57M-MECHANICAL MOMENTARY, SOLDER TERMINAL, MINI HOUSING, WIRELEADS, NONE/RING/POWER-STANDBY ILLUMINATION																																																																																																							
STATUS RELEASE	REVIEW g.y.	THIRD ANGLE PROJECTION 		DWG NO. D57M-1,A																																																																																																							
This document is the intellectual property of ITW Electronic Business Asia Co., Limited and may contain confidential, proprietary, privileged information protected by law. Neither this document nor any information it contains can be reproduced, transformed to any other format, or distributed, without written permission by ITW Electronic Business Asia Co., Limited. 本文文件為安天德百電股份有限公司之智慧財產，非經許可不得翻取、複製、轉變成其他形式使用或散布		APPROVED p.l.	REF: S57M-9018X	管制文件 非管制文件	Unit mm	SCALE 3 : 2	REV 3	RoHS Compliant	SHEET 1 OF 3																																																																																																		
		DATE 2012.11.13																																																																																																									

