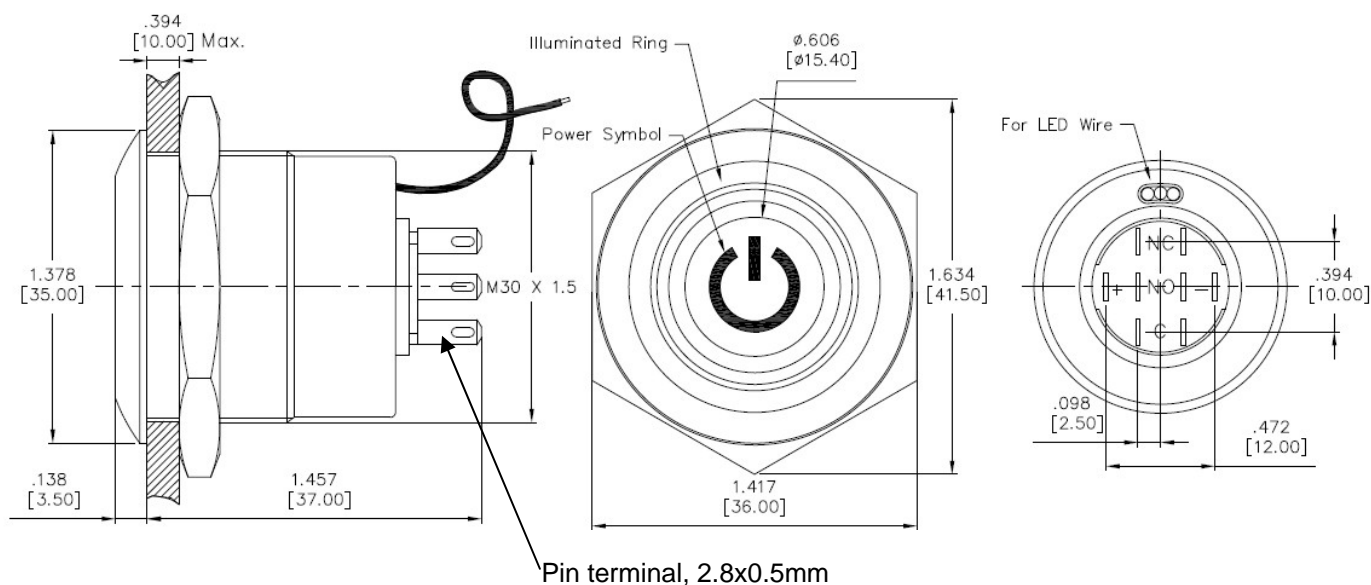
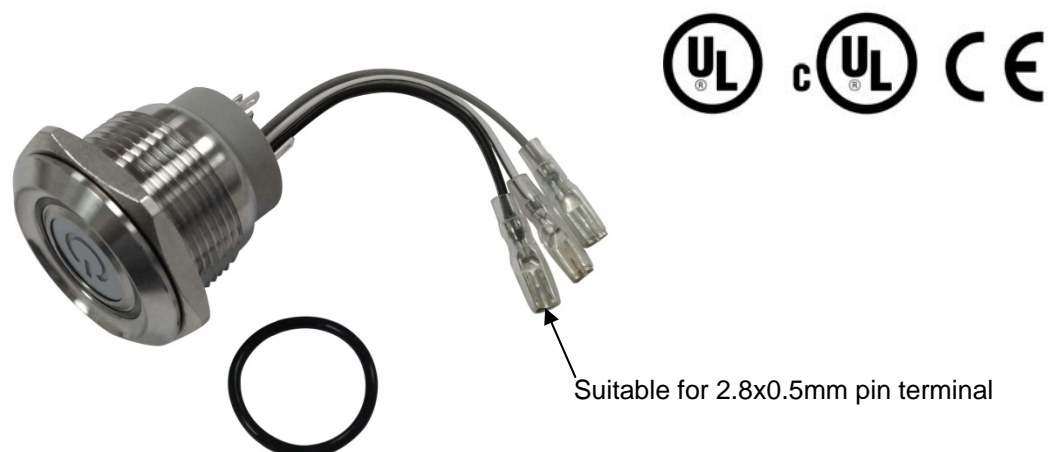


Datasheet

ENGLISH

Anti-Vandal Switch Switch Pushbutton 30mm Stainless Momentary

RS Stock No:877-1873



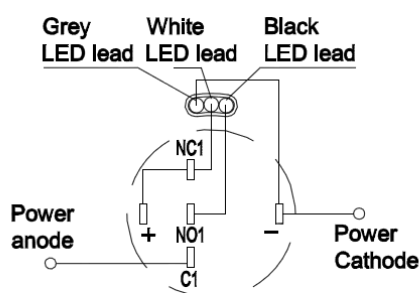
**ENGLISH****Package Contain:**

- 1 x Anti-Vandal Switch
- 1 x Hex Nut
- 1 x O-Ring

Specification:

SWITCH TYPE:		8771873																																																	
POLES/THROWS:		DPDT																																																	
SWITCH FUNCTIONS:		Illuminated, ON-MOM																																																	
ELECTRICAL CHARACTERISTICS	CONTACT RATING:	<table><tr><td colspan="3">Rated insulation voltage (Ui)</td><td colspan="4">250V</td></tr><tr><td colspan="3">Thermal current (Ith)</td><td colspan="4">5A Max.</td></tr><tr><td colspan="3">Rated voltage</td><td>12V</td><td>24V</td><td>110V</td><td>220V</td></tr><tr><td rowspan="4">Rated current</td><td rowspan="2">AC 50/60Hz</td><td>Resistive load</td><td>--</td><td>--</td><td>1A</td><td>0.5A</td></tr><tr><td>Inductive load</td><td>--</td><td>--</td><td>0.7A</td><td>0.5A</td></tr><tr><td rowspan="2">DC</td><td>Resistive load</td><td>1A</td><td>1A</td><td>0.2A</td><td>--</td></tr><tr><td>Inductive load</td><td>0.7A</td><td>0.7A</td><td>0.1A</td><td>--</td></tr></table>						Rated insulation voltage (Ui)			250V				Thermal current (Ith)			5A Max.				Rated voltage			12V	24V	110V	220V	Rated current	AC 50/60Hz	Resistive load	--	--	1A	0.5A	Inductive load	--	--	0.7A	0.5A	DC	Resistive load	1A	1A	0.2A	--	Inductive load	0.7A	0.7A	0.1A	--
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ELECTRICAL LIFE:	50,000 make-and-break cycles at full load																																																		
CONTACT RESISTANCE:	50m-ohms max. initial @ 2-4VDC, 100mA																																																		
INSULATION RESISTANCE:	Apply 500VDC for 1min±5sec. After which measurement to be made b/w terminals shall result 1,000M-ohms min.																																																		
DIELECTRICAL STRENGTH:	2,000VAC (50Hz-60Hz) RMS @ sea level shall result no damage to parts arcing or flashover																																																		
OPERATING TEMPERATURE:	-20Celsius degree to +55Celsius degree																																																		
RELIABILITY PERFORMANCE	MECHANICAL LIFE:	Without load, 50,000cycles min.																																																	
	OPERATING FORCE:	5N max.																																																	
	TORQUE:	5~14Nm max. applied to nut																																																	
	PANEL THICKNESS:	1 ~ 10mm																																																	
	IP PROTECTION CLASS:	Front panel protection to IP67																																																	
	IMPACT RESISTANCE:	IK03																																																	
	SOLDERING HEAT RESISTANCE:	Max soldering temperature @ 260Celsius degree, immersion time 5+/-1sec, frequency of soldering process @ 2 times max.																																																	
	COLD TEST:	Stored at temperature -20(+/-3)Celsius degree for 48 hours, shall result no changes to switch's electrical performance																																																	
	HOT TEST:	Stored at temperature +55(+/-3)Celsius degree for 48 hours, shall result no changes to switch's electrical performance																																																	
	HUMIDITY TEST:	Stored at temperature 40(+/-3)Celsius degree with relative humidity 90%~95% for 48 hours, shall result no changes to switch's electrical performance																																																	

MATERIAL CHARACTERISTICS	BUTTON:	
	BUSHING:	BB2 : Stain less steel with varnished polished
	BASE:	PBT
	PLUNGER:	POM
	SPRING:	Steel wire
	CONTACT:	Copper alloy, silver plated
	TERMINALS:	Brass, silver plated
	HARDWARE:	Nut (Brass, nickel plated)
	LED:	Blue, Red, Green (AC/DC Compatible) Voltage & Rating: 220V @ 2mA
SOLDERING & CLEANING RECOMMENDATION	HAND SOLDERING:	Max. temperature @ 320Celsius degree (662F)with continuous soldering time @ 2sec. max.
	CLEANING PROCESS:	Noted, the switch is "not totally sealed" so it is important not to immerse/spray or clean unsealed areas of the switch during flux removal. Improper cleaning could cause switch deficiencies such as intermittence or open contact failures
PACKAGE	INTERNAL PACKAGING:	1pcs per PE bag
	RoHS IDENTIFI-CATIONS:	A label marking "RoHS" will be attached to the PE bag.



Symbol (green) ring (red) → Symbol
(without illumination) ring (blue)