



**Datasheet**

**ENGLISH**

# **Marine Panel**

## **Switch & Breaker with Mounting Panel**

**RS Stock No. 1748338,1748318**



**Package Contain:**

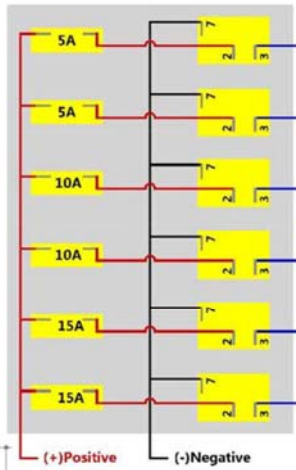
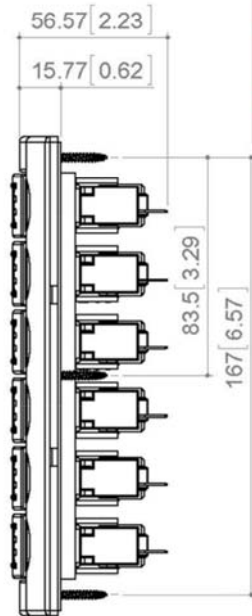
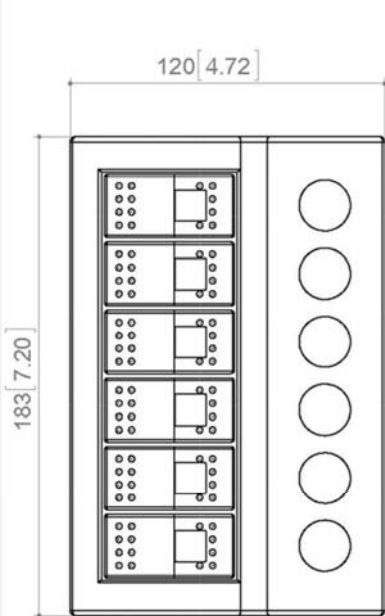
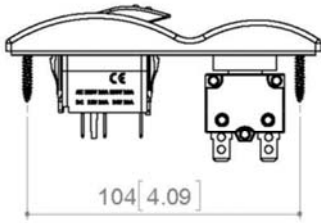
- 6 x Rocker Switch
- 2 x 5A Breaker
- 2 x 10A Breaker
- 2 x 15A Breaker
- 1 x Rubber Pad
- 6 x Stainless Steel Screw
- 40 x Indicator

**Specification:**

<b>SWITCH TYPE:</b>		<b>1748338,1748318</b>
<b>POLES/THROWS:</b>		<b>SPST</b>
<b>SWITCH FUNCTIONS:</b>		<b>ON-OFF</b>
<b>ELECTRICAL CHARACTERISTICS</b>	<b>VOLTAGE:</b>	<b>12VDC</b>
	<b>TOTAL LOAD CURRENT:</b>	<b>50A</b>
	<b>ELECTRICAL LIFE:</b>	<b>10,000 make-and-break cycles at full load</b>
	<b>CONTACT RESISTANCE:</b>	<b>20m-ohms max. initial @ 2-4VDC, 100mA</b>
	<b>INSULATION RESISTANCE:</b>	<b>Apply 500VDC for 1min±5sec. After which measurement to be made b/w terminals shall result 100M-ohms min.</b>
	<b>DIELECTRICAL STRENGTH:</b>	<b>1,500VAC (50Hz-60Hz) RMS @ sea level shall result no damage to parts arcing or flashover</b>
<b>RELIABILITY PERFORMANCE</b>	<b>OPERATING TEMPERATURE:</b>	<b>-30Celsius degree to +85Celsius degree</b>
	<b>MECHANICAL LIFE:</b>	<b>Without load, 10,000cycles min.</b>
	<b>SOLDERING HEAT RESISTANCE:</b>	<b>Max soldering temperature @ 260Celsius degree, immersion time 5+/-1sec, frequency of soldering process @ 2 times max.</b>
	<b>COLD TEST:</b>	<b>Stored at temperature -30(+/-3)Celsius degree for 48 hours, shall result no changes to switch's electrical performance</b>
	<b>HOT TEST:</b>	<b>Stored at temperature +85(+/-3)Celsius degree for 48 hours, shall result no changes to switch's electrical performance</b>
	<b>HUMIDITY TEST:</b>	<b>Stored at temperature 40(+/-3)Celsius degree with relative humidity 90%~95% for 48 hours, shall result no changes to switch's electrical performance</b>

	<b>SALT SPRAY TEST:</b>	Stored at temperature @ 35(+/-3)Celsius degree, and salt solution concentration of 5% with full air temperature @ 47(+/-3) Celsius degree and air pressure 1.0kg for 48 hours. The switch shall result no corrosion as well as no apparent changes to its functional performance. Per ASTM-B117 & JIS-Z371 STD.
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<b>SOLDERING &amp; CLEANING RECOMMENDATION</b>	<b>HAND SOLDERING:</b>	Max. temperature @ 350 Celsius degree (662F)with continuous soldering time @ 3sec. max.
	<b>CLEANING PROCESS:</b>	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
<b>PACKAGE</b>	<b>INTERNAL PACKAGING:</b>	Tray
	<b>RoHS IDENTIFICATIONS:</b>	Package is attached with a label marking "RoHS"
<b>PRODUCT HANDLING &amp; STORING</b>	<p>The switch is suitable for power rated applications, rating recommendation is per aforementioned above (Contact rating section)</p> <p>Problem relates to terminal oxidization can be prevented by storing product in an environment that is dry and cool with the relative humidity less than 90%. Noted, prior to mounting products onto circuit board as well as for unused units, it is recommended to keep them in the bag and with the bag sealed.</p>	



Rocker Switch×6 [SPST / ON-OFF]  
 5A Breakers×2  
 10A Breakers×2  
 15A Breakers×2  
 Rubber Pad×1  
 Stainless Steel Screw×6  
 Indicator×40

Size of Panel : 120×183mm  
 Size of Screw Hole : 104 ×167 mm  
 Size of Drill : 93 ×154 mm

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|----------------|----------------|--------------|-------------------|----------------|
| ACCESSORY      | AERATOR        | ANCHOR LIGHT | AUTO PILOT        | BAIT PUMP      |
| BILGE PUMP_1   | BILGE PUMP_2   | BLOWER       | CABIN LIGHTS      | DC OUTLET      |
| DECK LIGHTS    | DEPTH SOUNDER  | ELEC-TRONICS | FOG LIGHTS        | FRESH WATER    |
| GPS            | HORN           | INSTRUMENTS  | KONTMETER         | NAV. LIGHTS    |
| OVERHEAD LIGHT | RADAR          | RADIO        | REFRIG-ERATOR     | RUNNING LIGHTS |
| SEARCH LIGHT   | SPARE          | SPOTLIGHT    | SPREADER LIGHTS   | STEAMING LIGHT |
| STEREO         | TRANSOM LIGHTS | TRIM TABS    | UNDERWATER LIGHTS | VHF            |
| WASH DOWN      | WATER PRESSURE | WATER PUMP   | WINDLASS          | WIPERS         |