



Datasheet



ENGLISH

Marine Switch

Switch Sealed Rocker



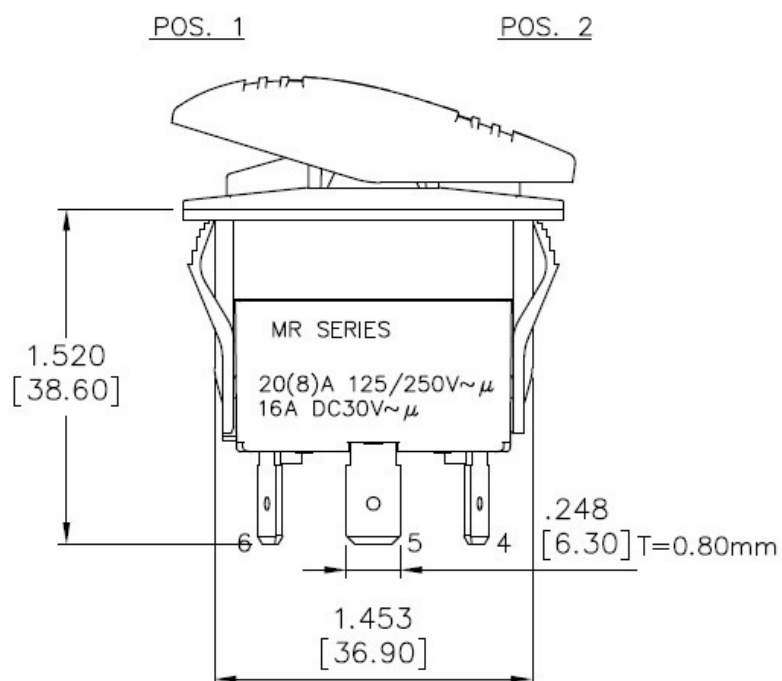
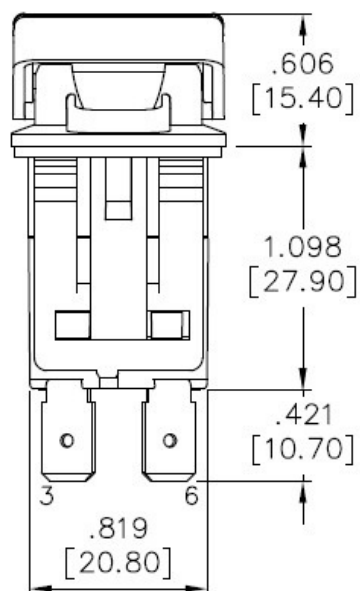
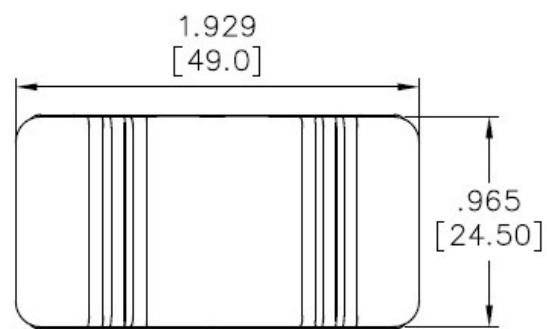
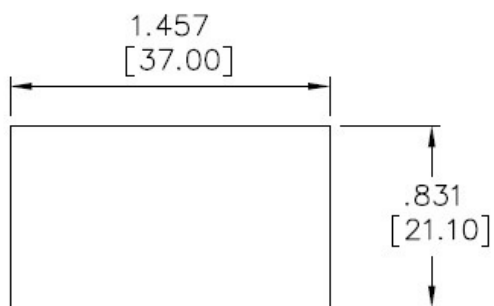
Package Contain:

- 1 x Marine Switch
- 1 x Gasket

Specification:

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|----------------------------|----------------------------|---|
| SWITCH TYPE: | | 3001748299 |
| POLES/THROWS: | | DPDT |
| SWITCH FUNCTIONS: | | ON-(ON) |
| ELECTRICAL CHARACTERISTICS | CONTACT RATING: | 20(8)A 125/250V~μ 16A DC30Vμ |
| | ELECTRICAL LIFE: | 30,000 make-and-break cycles at full load |
| | CONTACT RESISTANCE: | 20m-ohms max. initial @ 2-4VDC, 100mA |
| | INSULATION RESISTANCE: | Apply 500VDC for 1min±5sec. After which measurement to be made b/w terminals shall result 100M-ohms min. |
| | DIELECTRICAL STRENGTH: | 1,500VAC (50Hz-60Hz) RMS @ sea level shall result no damage to parts arcing or flashover |
| | OPERATING TEMPERATURE: | -30Celsius degree to +85Celsius degree |
| RELAIBILITY PERFORMANCE | MECHANICAL LIFE: | Without load, 30,000cycles min. |
| | IP PROTECTION CLASS: | Front panel protection to IP67 |
| | SOLDERING HEAT RESISTANCE: | Max soldering temperature @ 260Celsius degree, immersion time 5+/-1sec, frequency of soldering process @ 2 times max. |
| | COLD TEST: | Stored at temperature -30(+/-3)Celsius degree for 48 hours, shall result no changes to switch's electrical performance |
| | HOT TEST: | Stored at temperature +85(+/-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 |
| | SALT SPRAY TEST: | 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. |

| | | |
|-------------------------------------|---|---|
| MATERIAL CHARACTERISTICS | BASE: | PBT, UL94V-0 |
| | ACTUATOR: | PC and PA66 (Hard surface) TPR (Soft surface) With added UV protection (optional) |
| | ACTUATOR COLOR: | Black |
| | COVER: | PA66, UL94V-0 |
| | ACTUATOR BLOCK: | PC, UL94V-0 |
| | PIVOT PIN: | PES, UL94V-0 |
| | SPRING: | Stainless steel |
| | CONTACT: | Copper alloy, silver rivet |
| | TERMINALS: | Brass, tin plated |
| | SEAL: | Silicone |
| SOLDERING & CLEANING RECOMMENDATION | HAND SOLDERING: | Max. temperature @ 350Celsius degree (662F)with continuous soldering time @ 3sec. 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 IDENTIFICATIONS: | Bag is attached with a label marking “RoHS” |
| PRODUCT HANDLING & STORING | <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> | |



| MODEL NO. | SWITCH POSITION | | |
|-------------|-----------------|------|---------|
| DP-2 | ON | NONE | (ON) |
| Term. Comm. | 2-1,5-4 | OPEN | 2-3,5-6 |