Toggle Switches

Features

- UL & CUL & ENEC 15 approved
- SPDT
- ON-OFF-ON switch operation
- Sealing boot available with various colors

RS PRO Toggle Switches

RS Stock No.: 0186273



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

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Product Description

12A 125/250VAC Power Level, from SPST to 4PDT with a variety of options for actuator, bushing and terminal. Optional locking lever or safety cover to prevent from accidental actuation.

Suitable applications:

- *Instrumentation*
- *Shut-off switch*

Package Contain

1 x Sealed Power Toggle Switch
2 x Hex Nuts
1 x Washer
1 x Locking Ring

General Specifications

Contact Configuration	SPDT
Switch Operation	ON-OFF-ON
Mounting Type	Panel Mount
Terminal Type	Step Model
Illuminated	No
Panel Cut Out Height	8mm
Panel Cut Out Diameter	12mm
Actuator Length	17mm

Mechanical Specifications

Mechanical Life	100,000 cycles min.

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Electrical Specifications

Contact Rating	16A @ 125/250VAC 12A @ 125/250VAC (UL61058) 1/2 HP 125VAC / 1HP 250VAC (UL61058) 5A @ 125VAC (UL1054)
Voltage Rating	16A @ 125/250VAC 12A @ 125/250VAC (UL61058) 1/2 HP 125VAC / 1HP 250VAC (UL61058) 5A @ 125VAC (UL1054)
Electrical Life	30,000 min.
Contact Resistance	20m-ohms max. initial @ 2-4VDC, 100mA
Insulation Resistance	Apply 500VDC for 1min. After which measurement to be made b/w terminals shall result 100M-ohms min.
Dialectical Strength	1,500VAC (50Hz-60Hz) for 1 min. shall result no damage to parts arcing or flashover
Operating Temperature	-30Celsius degree to +85Celsius degree

Relaibility Performance

Soldering Heat Resistance	Max soldering temperature @ 260Celsius degree, immersion time 5+/-1sec. No deformation on terminal or surrounding enclosure
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
Soldering Temperature	Hand soldering @ 350 Celsius degree for 3sec. max. (No pressure to be applied on terminals)

Protection Category

IP Protection	IP68 front panel protection

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Material Characteristics

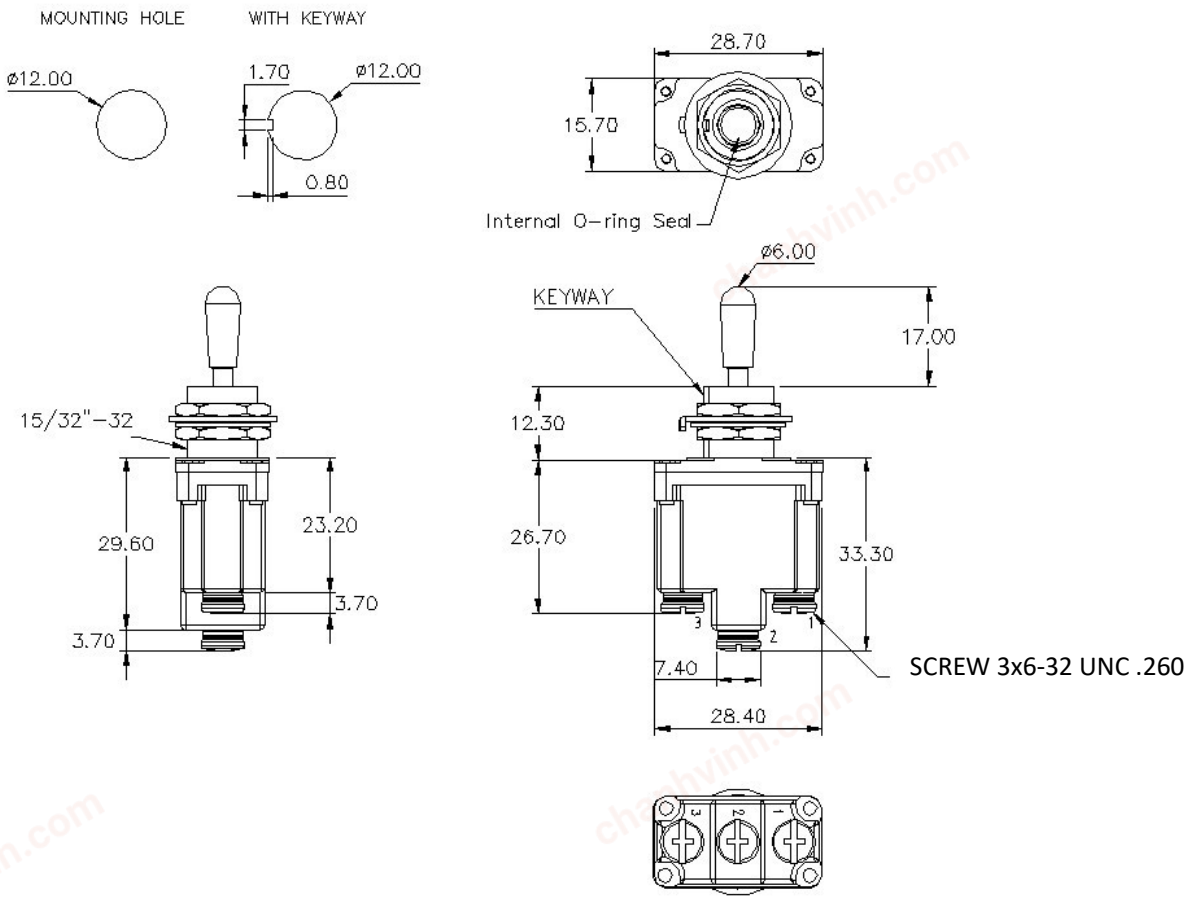
Actuator Material	Brass
Bushing	Aluminium die casting alloy
O ring	Silicone gasket
Contact Material	Silver alloy
Body	Nylon 66
Terminals	Brass with tin plating
Hardware	Steel with trivalent zinc plating

Approvals

Declarations	MFR Declaration of Conformity
Hazardous Area Certification	RoHS 2011/65/EU & 2015/863
Standards Met	UL 61058 / UL 1054 / ENEC 15

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Drawing:



Schematic:

