#### UP TO 3 POSITIONS WITH 3 OPTIONAL, INDEPENDENT LED LIGHT POSITIONS

Used in the heavy equipment, marine, process control and instrumentation markets, the R2 rotary switch is an excellent replacement for rocker switches, offering improved visual position indication, additional lighting options and different styling opportunities on front panels. The R2 is a sealed, lighted rotary switch which snaps into a 1.475" x 0.875" industry standard rocker switch panel opening. The rotary knob snaps onto a shaft and can be installed by the panel builder for those desiring that flexibility. The R2 rotary switch provides up to three positions in all combinations of momentary and maintained action. It is capable of handling loads from logic level up to 20 amps resistive. Sealing is to IP68S via a shaft O-ring seal in front and a potted base in the back. Termination options include 0.250" faston or a snap-on modular connector. The R2 offers unique lighting options including up to three independent LED light positions which illuminate a lens on the rotary knob. This design provides more lighting options than traditional rocker switches, handles the full range of electrical loads and is robust enough to survive in the most demanding applications.

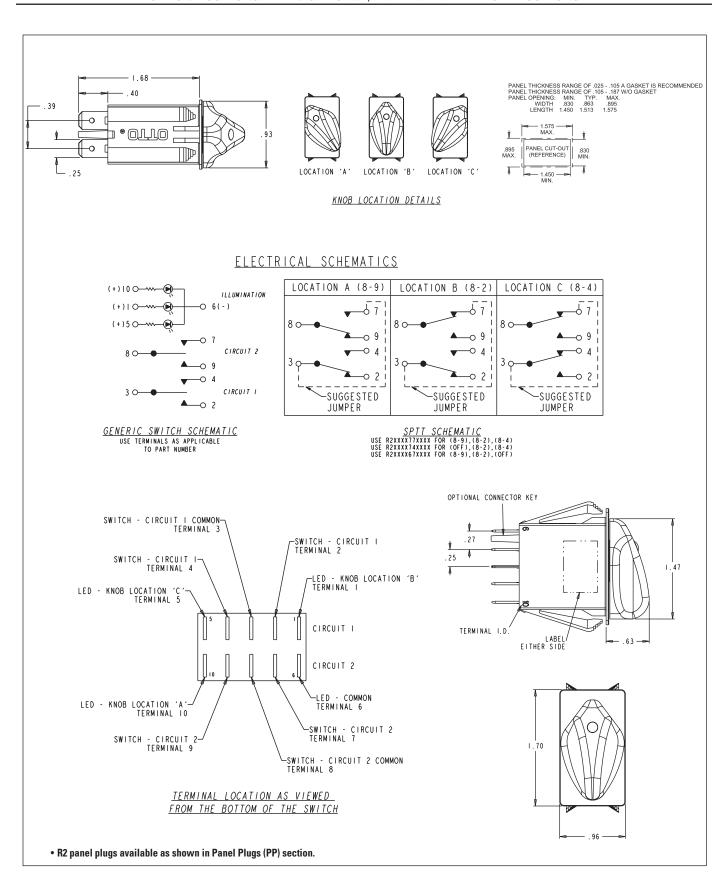


### Features:

- Sealed watertight per IP68S
- **Snap-in panel mounting into industry standard** 1.475" x 0.875" panel cutout
- Unique lighting options—up to 3 independent **LED** light positions
- Plastic or Soft Touch knob options available
- 2 or 3 positions in all combinations of momentary & maintained action
- Termination can be used as 0.250" faston or with snap-on modular connector

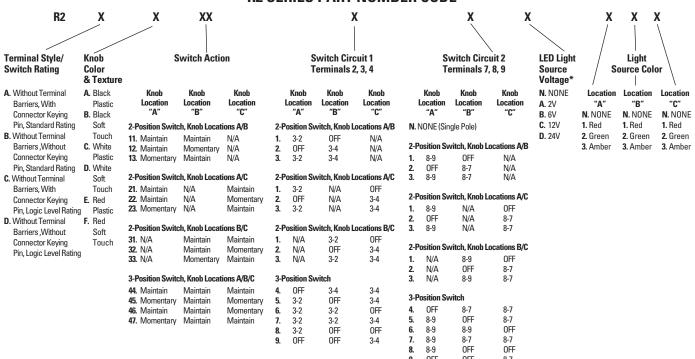
Standard Characteristics/Ratings:		
ELECTRICAL RATINGS:		
Load	Sea Level @ 12/28VDC	Sea Level @ 125VAC
Resistive	20A	16A
Inductive	15A	15A
Lamp	4A	4A
Motor	0.5HP @ 110VAC	
DWV	1000Vrms except across light terminals	
Logic Level	10mA @ 5VDC, max D.C. logic level ratings (void if logic level load(s) exceeded at any time)	
Electrical Life:	25,000 cycles at full load	
Lighting:	LED 2V, 6V, 12V, 24V (VDC)	
Mechanical Life:	100,000 cycles	
Seal:	IP68S	
Operating Temp Range:	-40°C to +85°C	
MATERIALS:		
Case:	Thermoplastic	
Knob:	Thermoplastic	
Lens:	Thermoplastic, clear	
Terminals:	Copper, silver plate, gold plate for logic level	
Contacts:	Silver alloy, gold plate for logic level	
Terminal Hardware:	R2 recommended Quick Connect terminals: AMP 60253-2 for 12-16 AWG AMP 42100-2 for 14-18 AWG	
Mounting Hardware:	None provided	

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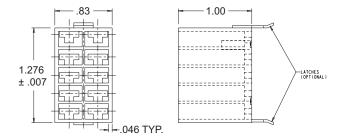


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### **R2 SERIES PART NUMBER CODE**



<sup>\*</sup>See appendix for complete voltage/ratings table



**R2 Connector** 

P/N C801775-2A Without Latches P/N C801775-2B With Latches

Recommended Quick Connect Terminals AMP C60253-2 for 12-16 AWG AMP C42100-2 for 14-18 AWG

Panel Seal Gasket P/N C807109-25-1

# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## OTTO:

R2BB4477B132 R2BB4649C123 R2AA465NNNNN R2AB2122C1N3 R2BB3133NNNN R2AB4467NNNN R2DA4474NNNN R2BB3122CNN1 R2BB4449C123 R2CB4477DN32 R2BA445NNNNN R2BB2122C1N2 R2BA4474NNNN R2BB213NC2N2 R2BB4455C132 R2BD3133NNNN R2AA4455C123 R2AA4455D123 R2AA445NC1N1 R2AA4649CN23 R2AB445NNNNN R2AC4497NNNN R2BA2122NNNN R2BA444NCN22 R2BA4455D132 R2BA4455C2N2 R2BB2133NNNN R2BB312NCNN2 R2AA2133D2NN R2AA4649CN1N R2AA4649D222 R2AA212NNNNN R2AA2222NNNN R2AA4444CN32 R2AB2233D2NN R2AB223NNNNN R2AB312NNNNN R2AB4455C2N2 R2AB4474DN21 R2AB4555NNNN R2AA111NC21N R2AA1122CN1N R2AA2122C1N3 R2AA4455B123 R2AA4474CN22 R2AA4555NNNN R2DA4555DN3N R2AA4444NNNN R2AB4545NNNN R2AB4649CN13 R2AB4649NNNN R2AB465NC232 R2CA4677NNNN R2AB4555C232 R2BB445NC2N1 R2BB4477D231 R2BB4555C111 R2BB455NC322 R2BA2112NNNN R2BA4674NNNN R2BB4449C132 R2BB4455C1N2 R2BB455NC2N2 R2BC4555NNNN R2AA4449DN12 R2AA4449NNNN R2AB211NC2N2 R2AB312NCN32 R2AB4455C123 R2AB4677CN1N R2BB4477NNNN R2BB455NC1N2 R2CA4477NNNN R2AA2133C1N2 R2AA2212NNNN R2AA2122NNNN R2AB4477NNNN R2AB4555C123 R2AB4649DN21 R2BB322NCNN3 R2BB4455D231 R2BB4477C321 R2AB2222C1N3 R2AB3133NNNN R2AB4456C232 R2AB4458C2N2 R2AB445NC312 R2AB445ND123 R2AA4489NNNN R2AA4589D222 R2AA4649NNNN R2AA4655C222 R2AB2122NNNN R2AB2133NNNN R2BA1222CN3N R2BA312NCNN3 R2BA4555NNNN R2BB4455C313 R2AA4477D223 R2AA4489C2N1