

ILLUMINATED ROCKER SWITCHES



SPECIFICATIONS

Rating: 15A @ 125 VAC
 8A @ 250 VAC-UL, CUL, CSA
 6A @ 250 VAC-S, N, Fi, VDE

Mechanical Life: 15,000 cycles
 Electrical Life: 10,000 cycles
 Contact Resistance: 10 mΩ max. typical, initial @ 2-4 VDC
 Insulation Resistance: > 1,000 MΩ
 Dielectric Strengths: > 1,500 volts 1 minute
 > 3,000 volts between poles

Operating Temp: -30° C to 85° C
 Safety Standard Approval: UL, CSA, VDE, NEMKO, SEMKO, FIMKO

MATERIALS

Body: Nylon 66
 Rocker: Polycarbonate
 Terminal: Silver plated copper alloy
 Contact: Coin silver, silver plated



HOW TO ORDER

Series	Circuit	Housing Color	Actuator Color	Marking	Termination	LED Color
R1966	()	BLK=Black WHT=White GRY=Grey	BLK=Black WHT=White GRY=Grey RED=Red ORG=Orange BLU=Blue	A B C D E* F G H I J K L	F=Faston, Quick Connect .187 x .032 G=Faston, Quick Connect .187 x .020 S=Solder Lug P=PC Pin R=Right Angle PC Pin L=Left Angle PC Pin	(R1966 "A" Circuit Only) RED=Red YEL=Yellow GRN=Green (See Next Page For Description)

CIRCUIT CODE:

A = SPST On-Off
 C = SPDT On-On
 D = SPDT On-Off-On
 E = SPST On-(Off)
 F = SPST Off-(On)
 G = SPDT On-(On)
 H = SPDT On-Off-(On)
 I = SPDT (On)-Off-(On)

() = Momentary

*Standard for use with LED

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

EXAMPLE

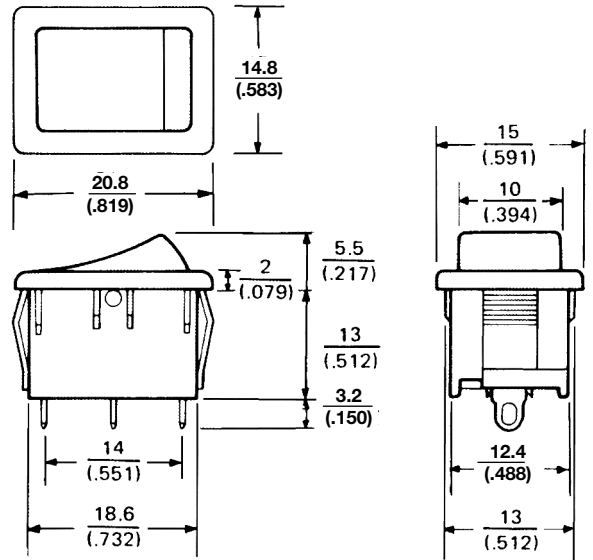
R1966 → A → BLK → BLK → E → F → YEL



SPST

Circuit Code	POS 1	POS 2
A	ON	OFF
E	ON	(OFF)
F	OFF	(ON)
Term. Comm.	2-1	OPEN

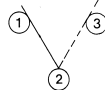
Schematic () = Momentary



SPDT

Circuit Code	POS 1	POS 2	POS 3
C	ON	NONE	ON
D	ON	OFF	ON
G	ON	NONE	(ON)
H	ON	OFF	(ON)
I	(ON)	OFF	(ON)
Term. Comm.	2-1	OPEN	2-3

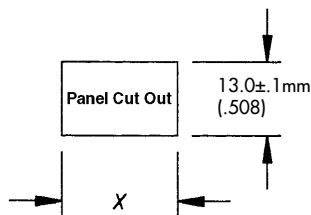
Schematic () = Momentary



LED Color	Forward Volt. Typ. (V _{FD})	Rated Current (I _{LED})	Reverse Breakdown (V _R)	Intensity Lum. Typ. (M _{CD})
RED = Red	2.0V	20mA	5V	4.0mcd
GRN = Green	2.2V	20mA	5V	4.0mcd
YEL = Yellow	2.1V	20mA	5V	4.0mcd

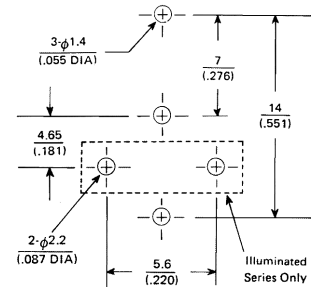
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PANEL MOUNTING

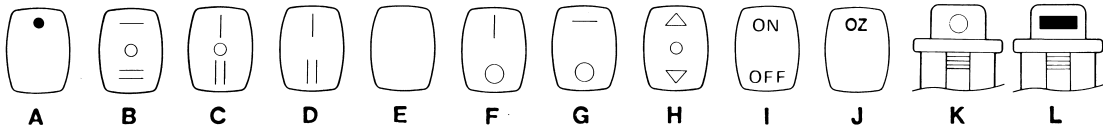


Panel Thickness	mm (inch)
.75 - 1.25 (.030) - (.049)	19.2 ± .1 (.756)
1.25 - 2.00 (.049) - (.079)	19.4 ± .1 (.764)
2.00 - 3.00 (.079) - (.118)	19.8 ± .1 (.780)

P.C. MOUNTING



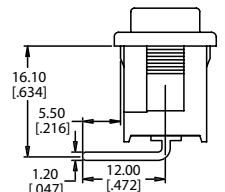
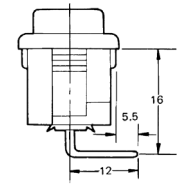
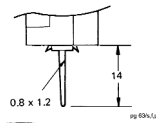
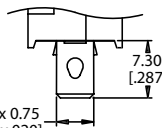
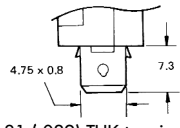
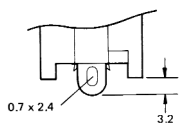
MARKING OPTIONS



* 'E' Marking standard for all LED versions.

TERMINATION OPTIONS

- S** Solder Lug
- F** Faston
- G** Faston
- P** PC Pin
- R** Right Angle PC Pin
- L** Left Angle PC Pin



0.81 (.032) THK terminals designed for Quick Connect connectors available from AMP Industries, Harrisburg, PA 17105. (Or equivalent).