## SEALED, ILLUMINATED ROCKER SWITCHES

#### ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS

The OTTO K5 series is a quality, precision switch designed to comply with standards established for appliance, marine (ignition protection) and off-road vehicles along with other demanding applications where rugged rocker switches are required.

K5 series sealed rocker switches snap into industry-standard panel cutouts. Choose illuminated and printed legends, thrupanel drain option and switching compatibility from logic level up to 20 amps.

The K5 series offers a choice of LED, incandescent and neon illumination. Legends can be stamped onto a non-illuminated button, stamped onto an illuminated lens or laser etched into the lens and backlit.

Available in standard and logic level contact ratings, the K5 rockers will fit a wide range of applications. Expect a minimum of 25,000 cycles at a full rated load of 20 amps resistive or 15 amps inductive. 100,000 cycles mechanical. A full complement of switch operation is available including momentary and maintained action in 2 or 3-position switches in SPST, SPDT, SPTT, DPST and DPDT circuit arrangements.

OTTO can provide custom colors upon request. Value-added assemblies with wire leads are also available. Please consult the factory for assistance.

### **Features:**

- Sealed watertight per IP68S and IP69K
- Snap-in panel mounting into industry standard panel cutout
- Optional panel seal gasket
- LED, neon & incandescent lighting
- 0.250" Quick Connect terminals
- Optional one-piece connector
- Optional terminal barriers
- Logic level up to 20 amp switch
- Configurable Single Pole Triple Throw (SPTT) with external jumpers
- Soft Touch button available
- RoHS compliant



ELECTRICAL RATINGS:		
Load	Sea Level @ 28VDC	Sea Level @ 125VAC, 60/400Hz
Resistive	20A	16A
Inductive	15A	15A
Lamp	5A	5A
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	
LIGHTING:		
Light Source	Rating	
Incandescent	(VDC) 6V, 12V, 24V	
Neon	(VAC) 125V, 250V	
LED	(VDC) 2V, 6V, 12V, 24V	
Mechanical Life:	100,000 cycles	
Seal:	IP68S and IP69K	
Operating Temp Range:	-40°C to +85°C	
MATERIALS:		
Case:	Thermoplastic	
Button:	Thermoplastic	
Terminals/Contact:	Brass, silver alloy with silver plate, gold flash for logic leve	
Terminal Hardware:	K5 series 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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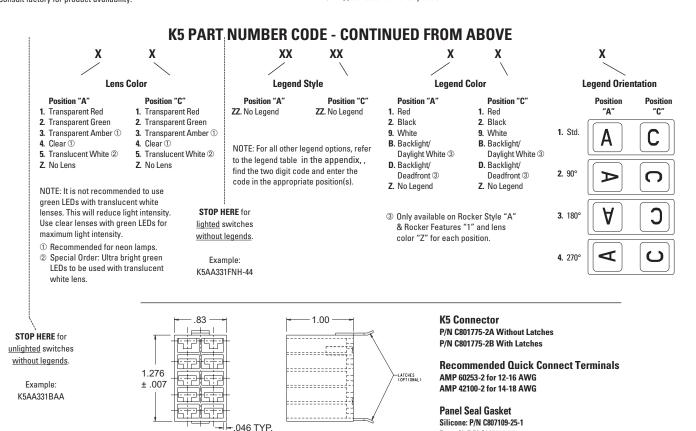
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### SEALED, ILLUMINATED ROCKER SWITCHES

#### **SNAP-IN PANEL MOUNTING**

#### **K5 SERIES PART NUMBER CODE Part Number Code Continued Below K5** X X X **Rocker Features** Switch Action/Circuit Rocker Color\*/Style **Base Options Light Source Type\* Light Circuit** A. No Illumination A. With Keving Pin Only A. Black Plastic Bocker Position Position Position Position Position Circuit Circuit Terminal "B" Standard Rating B. Black "Soft Touch" Rocker "A" "C" B. 6V Incandescent Connections "A" Silver Plate C. Red Plastic Rocker 1. No Feature 1. No Feature 1A. 3-4 NONE OFF SPST C. 12V Incandescent A. NONE NONE B. Without Barriers or Pin D. Red "Soft Touch" Rocker 2. Lens 2. Lens 2A. 3-4/8-9 NONE 0FF DPST D. 24V Incandescent B. Dep. in "A" 1(-) & 4(+) Standard Rating E. White Plastic Rocker 3. Raised Bars 3. Raised Bars 1B. 3-4 NONE 3-2 **SPDT** E. 125VAC Neon C. Dep. in "C" 2(+) & 5(-) Silver Plate F. White "Soft Touch" Rocker 4. Raised Lit Bars 4. Raised Lit Bars 3-4/8-9 NONE 3-2/8-7 F. 250VAC Neon **D.** Ind. in "A" 1(-) & 6(+) 2B. **DPDT** C. With Terminal H. Green Plastic Rocker 1C. (3-4)OFF SPST G. 2V Red LED E. Ind. in "C" 5(-) & 10(+) NONE NOTE: Raised Lit Bars are (3-4)/(8-9) H. 2V Green LED Barriers Only J. Orange Plastic Rocker 2C. NONE 0FF DPST F. Dep. in "A" 1(-) & 4(+) available with the Soft Touch J. 2V Amber LED Standard Rating K. Blue Plastic Rocker 1D. (3-4)NONE 3-2 SPDT Dep. in "C" 2(+) & 5(-) L. Gray "Soft Touch" Rocker rocker styles. Soft Touch rockers (3-4)/(8-9) K. 6V Red LED Silver Plate 2D. NONE 3-2/8-7 DPDT G. Dep. in "A" 1(-) & 4(+) require same color lenses/ D. With Keying Pin Only M.Gray Plastic Rocker 1E. (3-4)0FF (3-2)SPDT L. 6V Green LED Ind. in "C" 5(-) & 10(+) Logic Level Rating lit bars for both positions. 2E. (3-4)/(8-9) OFF (3-2)/(8-7) DPDT M.6V Amber LED H. Ind. in "A" 1(-) & 6(+) Gold Plate 1F. 3-4 OFF 3-2 SPDT N. 12V Red LED Dep. in "C" 2(+) & 5(-) E. Without Barriers or Pin 2F. 3-4/8-9 OFF 3-2/8-7 DPDT P. 12V Green LED J. Ind. in "A" 1(-) & 6(+) \*Additional colors available. Logic Level Rating 1G. (3-4)OFF SPDT O. 12V Amber LED 5(-) & 10(+) 3-2 Ind. in "C Contact factory. Gold Plate 2G. (3-4)/(8-9) 3-2/8-7 DPDT R. 24V Red LED POS. A NOTE: Polarity only applies S. 24V Green LED F. With Terminal to LED circuits. **Special Circuits** T. 24V Amber LED Barriers Only Logic Level Rating Position Position Position **Special** Gold Plate \*See appendix for complete voltage/ratings table "A" "B" "C" Circuits POS B G. With Keving Pin Only ON/ON/OFF 3-4/8-9 8-9 0FF Standard Rating ON/ON/NONE 1J. 3-4/8-9 8-9 NONE No Plate 8-9 1K. (3-4)/(8-9) OFF (ON)/ON/OFF H. Without Barrier or Pin 1L. (3-4)/(8-9) 8-9 NONE (ON)/ON/NONE Standard Rating 1M. 3-4/8-9 3-2/8-9 3-2/8-7 ON/ON/ON POS. C No Plate (3-4)/(8-9) (ON)/ON/ON 1N. 3-2/8-9 3-2/8-7 J. With Terminal (3-4)/(8-9) 3-2/8-9 (3-2)/(8-7) (ON)/ON/(ON) 1P. Barriers Only 2R. 3-4/8-9 OFF/8-9 OFF/OFF ON/OFF/OFF Standard Rating ON/ON/OFF No Plate **2S**. (3-4)/8-9 OFF/8-9 OFF/OFF (ON)/OFF/OFF ON/ON/OFF NOTE: All code combinations are not feasible. NOTE: ( ) denotes momentary action. Consult factory for product availability.



• K5 panel plugs available as shown in Panel Plugs (PP) section.

Buna-N: P/N C807618-25-1

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