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 low 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 low 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**
- Low level up to 20 amp switch
- **Configurable Single Pole Triple Throw (SPTT)** with external jumpers
- Soft Touch button available
- **RoHS/WEEE/Reach compliant**



Standard Characteri	etice/Ratinge									
Standard Characteristics/Ratings: ELECTRICAL RATINGS:										
Load	Sea Level @ 28VDC	Sea Level @ 115VAC, 60/400Hz								
Resistive	20A	16A								
Inductive	15A	15A								
Lamp	5A	5A								
Motor	0.5HP @ 110VAC									
DWV	1050Vrms except across light terminals									
Low Level	10mA @ 30mV									
Electrical Life:	25,000 cycles									
LIGHTING:	GHTING:									
Light Source	Rating									
Incandescent	(VDC) 6V, 12V, 24V									
Neon	(VAC) 125V, 250V									
LED	(VDC) 2V, 6V, 12V, 24V									
Mechanical Life:	al Life: 100,000 cycles									
Seal:	IP68S and IP69K									
Operating Temp Range:	ange: -40°C to +85°C									
MATERIALS:										
Case:	Thermoplastic									
Button:	Thermoplastic									
Terminals/Contact:	Brass, silver alloy with silver plate, gold flash for low level									
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									

No Plate

NOTE: All code combinations are not feasible.

SEALED, ILLUMINATED ROCKER SWITCHES

SNAP-IN PANEL MOUNTING **K5 SERIES PART NUMBER CODE Part Number Code Continued Below K5** X **Base Options** Rocker Color*/Style **Rocker Features** Switch Action/Circuit **Light Source Type Light Circuit** A. With Keying Pin Only A. Black Plastic Rocker Position A. No Illumination Position Position Position Position Circuit Circuit Terminal Standard Rating B. Black "Soft Touch" Rocker "A" "C" "A" "B" "C" B. 6V Incandescent Connections Silver Plate C. Red Plastic Rocker 1. No Feature 1. No Feature 1A. 3-4 NONE NFF 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 OFF 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 2B. 3-4/8-9 NONE 3-2/8-7 DPDT F. 250VAC Neon D. Ind. in "A" 1(-) & 6(+) C. With Terminal H. Green Plastic Rocker 1C. (3-4)NONE OFF SPST G. 2V Red LED E. Ind. in "C" 5(-) & 10(+) Barriers Only J. Orange Plastic Rocker NOTE: Soft Touch rockers 2C. (3-4)/(8-9) NONE OFF **DPST** H. 2V Green LED F. Dep. in "A" 1(-) & 4(+) require same color lenses/ Standard Rating K. Blue Plastic Rocker 1D. (3-4)SPDT J. 2V Amber LED Dep. in "C" 2(+) & 5(-) NONE 3-2 Silver Plate L. Gray "Soft Touch" Rocker lit bars for both positions. 2D. (3-4)/(8-9) NONE 3-2/8-7 DPDT K. 6V Red LED G. Dep. in "A" 1(-) & 4(+) 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(+) 2E. (3-4)/(8-9) DPDT M.6V Amber LED 1(-) & 6(+) Low Level Rating 0FF (3-2)/(8-7)H. Ind. in "A" Dep. in "C" Gold Plate 1F. 3-4 OFF SPDT N. 12V Red LED 2(+) & 5(-) E. Without Barriers or Pin 2F. P. 12V Green LED 3-4/8-9 OFF 3-2/8-7 DPDT J. Ind. in "A" 1(-) & 6(+) *Additional colors available. Q. 12V Amber LED Low Level Rating 1G. (3-4)3-2 SPDT Ind. in "C" 5(-) & 10(+) Contact factory. R. 24V Red LED Gold Plate 2G. (3-4)/(8-9) OFF 3-2/8-7 DPDT POS. A NOTE: Polarity only applies F. With Terminal S. 24V Green LED **Special Circuits** to LED circuits. Barriers Only T. 24V Amber LED Low Level Rating Position **Position** Position Special Gold Plate "A" "B' "C" Circuits POS. B G. With Keying Pin Only 1H. 3-4/8-9 8-9 0FF ON/ON/OFF Standard Rating 1J. 3-4/8-9 8-9 NONE ON/ON/NONE No Plate (ON)/ON/OFF 1K. (3-4)/(8-9)8-9 OFF H. Without Barrier or Pin (ON)/ON/NONE 1L. (3-4)/(8-9) NONE Standard Rating 1M. 3-4/8-9 3-2/8-9 3-2/8-7 ON/ON/ON POS. C No Plate 1N. (3-4)/(8-9) 3-2/8-9 3-2/8-7 (ON)/ON/ON J. With Terminal 1P. (3-4)/(8-9) 3-2/8-9 (3-2)/(8-7) (ON)/ON/(ON) Barriers Only 2R. 3-4/8-9 OFF/8-9 OFF/OFF ON/OFF/OFF Standard Rating ON/ON/OFF

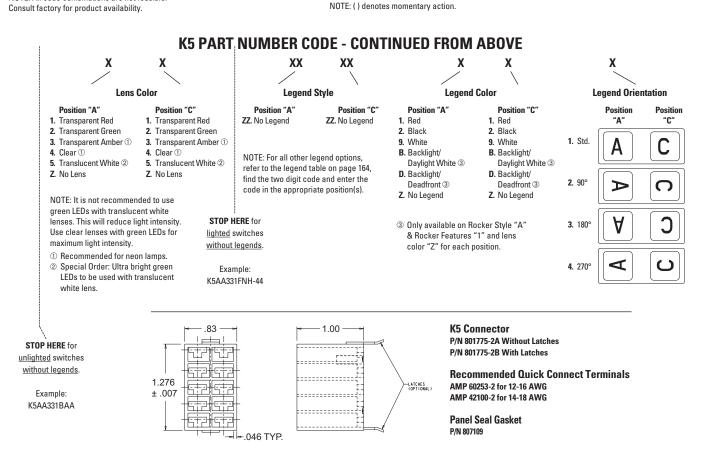
25.

(3-4)/8-9

OFF/8-9

OFF/OFF

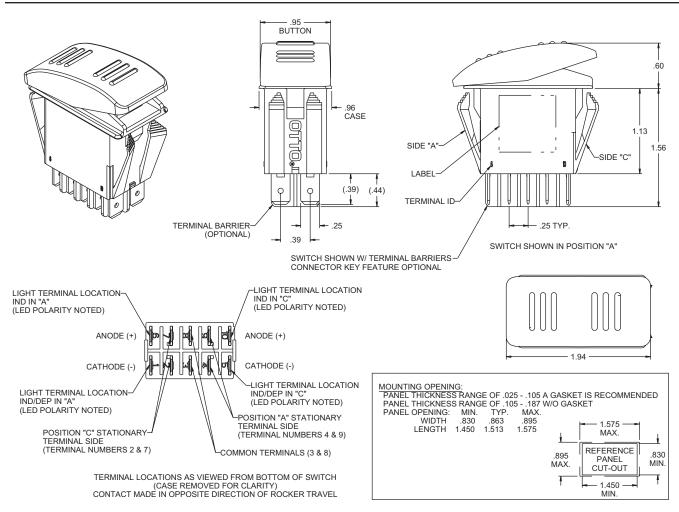
(ON)/OFF/OFF ON/ON/OFF

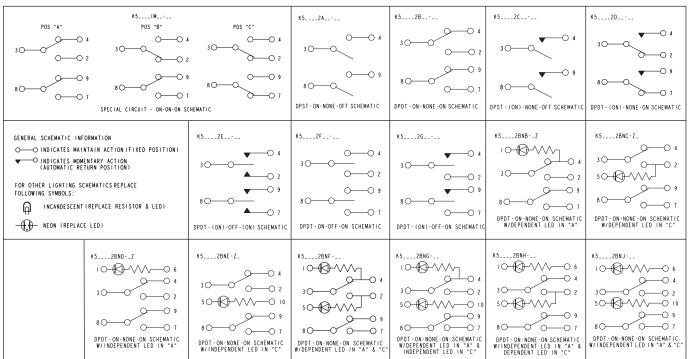


[•] K5 panel plugs available as shown on page 167.

SEALED, ILLUMINATED ROCKER SWITCHES

ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS





STANDARD LEGENDS PER SAE

SNAP-IN PANEL MOUNTING

Standard Legends Per SAE Specifications

STANDARD LEGENDS PER SAE SPECIFICATIONS									
A1	ţ	ANCHOR	K2	D	UNLOCK	P5	E	BILGE BLOWER	
В1	- +	BATTERY	L1	٩	LIGHT	R1	1	LIFT	
B2	1	ELECTRIC POWER	L2	-\̈́C-	MASTER LIGHTING SWITCH	R2	₹	LOWER	
C1	*	AC/COOLING SYSTEMS	L3	■ D	HEADLIGHTS	R3	1	UP	
C2	•	DEHUMIDIFIER	L4		HEADLIGHTS-LOW / DIPPED BEAM	R4	ţ	DOWN	
СЗ	<u> 333</u>	HEATER/INTERIOR HEATING	L5	$\equiv 0$	HEADLIGHTS-HIGH / UPPER BEAM	R5	-	RIGHT	
D1	P	WINDSHIELD DEFROSTER	L6	P≒	PARKING LIGHT	R6	+	LEFT	
D2	(III)	REAR WINDOW DEFROSTER	L7	A	WORK LAMP	R7	FWD	FORWARD	
D3		MIRROR DEFROSTER	L8	M	WORK LAMP	R8	REV	REVERSE	
E1	\bigcirc	ENGINE/START	L9	深	INTERIOR DOME LIGHT	S1	1	RADIO	
E2	\Diamond	ENGINE/STOP	M1	江	BEACON	S2	13	MUTE	
ЕЗ		ON/START	M2		HAZARD/POSITION LIGHTS	T1	4	FAST	
E4	0	OFF/STOP	М3-	∌€	CLEARANCE LIGHTS	T2	4	SLOW	
E5	ON	ON	M4	∌ D	SIDE MARKER LIGHT	Т3	<u>†</u>	TRIM TAB / TRIMMING OPERATION	
E6	OFF	OFF	M5	- <u>Ö</u> -	RUNNING LIGHTS (UNDER POWER)	T4	0	TRANSMISSION	
E7	⊕	ENGINE ELECTRIC PREHEAT	M6	- \	ANCHOR LIGHT	V1	88	VENTILATING / AC FAN	
E8	٨	ENGINE-GAS INJECTION	M7	\$/ _{\$}	RUNNING/ANCHOR LIGHTS	W1	P	WINDSHIELD WIPER	
F1	却	FRONT FOG LIGHTS	M8	型	SEARCH LIGHT	W2	$\widetilde{\oplus}$	WINDSHIELD-WASHER	
F2	()≩	REAR FOG LIGHTS	M9	4	LEFT TURN SIGNAL	W3	\mathfrak{P}	WINDSHIELD-WASHER/WIPER	
G1	团	FUEL	MA	\$	RIGHT TURN SIGNAL	W4	\Box	REAR WINDOW WIPER	
H1	þ	HORN	P1	P	BILGE PUMP #1	W5	Ф	REAR WINDOW-WASHER	
H2	₩R	HORN REAR	P2	P 2	BILGE PUMP #2	W6	\$	REAR WINDOW-WASHER/WIPER	
K1		LOCK	P3	\$ 3	BILGE PUMP #3	ZZ		NO LEGEND	
			P4	Ø	BILGE PUMP				

For legends not shown, please consult an OTTO representative.