# 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, thru-panel 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
- 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 rocker style available
- RoHS & WEEE compliant



LECTRICAL RATINGS:		
Load	Sea Level @ 28VDC, 60/400Hz	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:		
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	
Operating Temp Range:	-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	

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### SNAP-IN PANEL MOUNTING

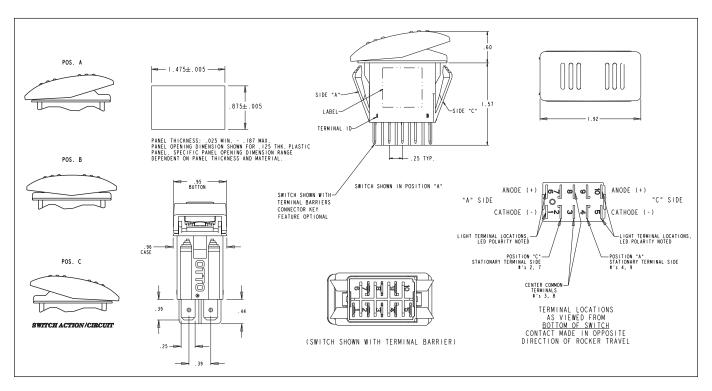
## **Standard Legends Per SAE Specifications**

A I ANCHOR	K2 UNLOCK	P5 BILGE BLOWER
BI → BATTERY	LI 🐧 LIGHT	RI 🖺 LIFT
B2 \$ ELECTRIC POWER	L2 -英- MASTER LIGHTING SWITCH	R2 🖺 LOWER
CI 🌣 AC/COOLING SYSTEMS	L3 D HEADLIGHTS	R3 Y UP
C2 P DEHUMIDIFIER	L4 D HEADLIGHTS-LOW/ DIPPED BEAM	R4 DOWN
C3 MEATER/INTERIOR HEATING	L5 ED HEADLIGHTS-HIGH/ UPPER BEAM	R5 ⇌> RIGHT
DI WINDSHIELD DEFROSTER	L6 PE PARKING LIGHT	R6 <⇒ LEFT
D2 REAR WINDOW DEFROSTER	L7 MORK LAMP	R7 FWD FORWARD
D3 MIRROR DEFROSTER	L8 M WORK LAMP	R8 REV REVERSE
EI () ENGINE/START	L9 🏋 INTERIOR DOME LIGHT	SI RADIO
E2 ENGINE/STOP	MI 🏂 BEACON	\$2 MUTE
E3 ON/START	M2 A HAZARD/POSITION LIGHTS	TI 😂 FAST
E4 OFF/STOP	M3 -0 0- CLEARENCE LIGHTS	T2 SLOW
E5 ON ON	M4 ⋛D SIDE MARKER LIGHT	TRIM TAB/ TRIMMING OPERATION
E6 OFF OFF	M5 - RUNNING LIGHTS (UNDER POWER)	T4 💮 TRANSMISSION
E7 600 ENGINE ELECTRIC PREHEAT	M6 -∰- ANCHOR LIGHT	VI SS VENTILATING/AC FAN
E8 💩 ENGINE-GAS INJECTION	M7 RUNNING/ANCHOR LIGHTS	WI WINDSHIELD WIPER
FI 第〇 FRONT FOG LIGHTS	M8 🔁 SEARCH LIGHT	W2 🏐 WINDSHIELD-WASHER
F2 <b>○</b> REAR FOG LIGHTS	M9 ∳ LEFT TURN SIGNAL	W3 🐯 WINDSHIELD-WASHER/WIPER
GI 📆 FUEL	MA 🖒 RIGHT TURN SIGNAL	W4 REAR WINDOW WIPER
HI HORN	PI 🕞 BILGE PUMP #I	W5 PEAR WINDOW-WASHER
H2 ➡R HORN REAR	P2 BILGE PUMP #2	W6 REAR WINDOW-WASHER/WIPER
KI 🗓 LOCK	P3 3 BILGE PUMP #3	ZZ NO LEGEND
	P4 BILGE PUMP	

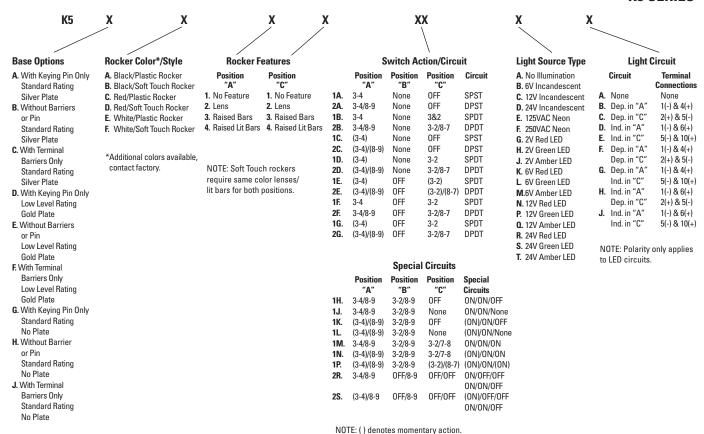
For legends not shown, please consult an OTTO representative.

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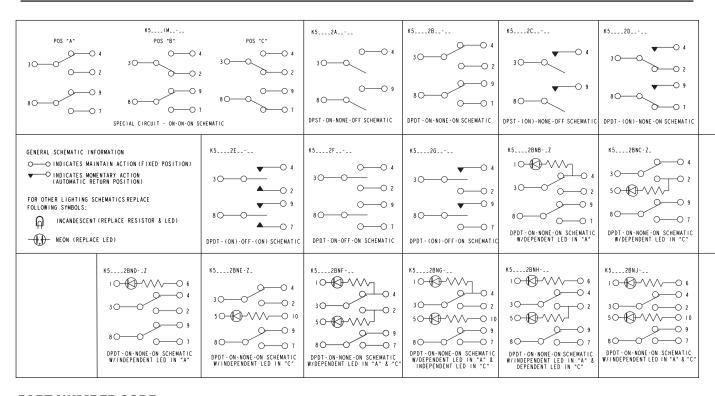


### **K5 SERIES**

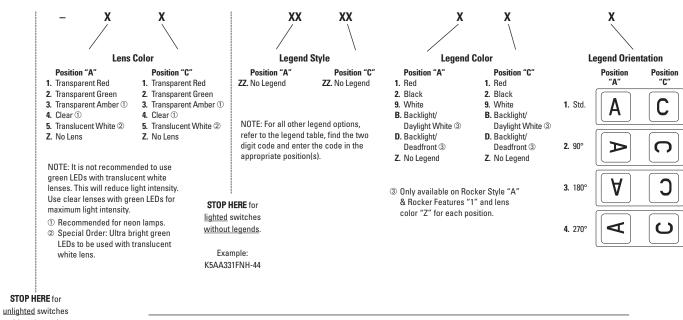


NOTE: All code combinations are not feasible Consult factory for product availability.

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

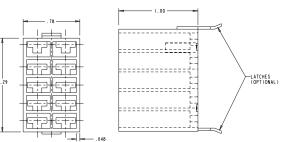


### **PART NUMBER CODE**



without legends.

Example: K5AA331BAA



**K5 Connector** P/N 801775-2A Without Latches P/N 801775-2B With Latches

**Recommended Quick Connect Terminals** AMP 60253-2 for 12-16 AWG AMP 42100-2 for 14-18 AWG

**Panel Seal Gasket** P/N 807109