

ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS

Sealed to IP68S and IP69K, the OTTO K3 rocker switch 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.

K3 sealed rocker switches snap into industry-standard panel cutouts. Choose illuminated and printed legends, thru-panel drain option and switching compatibility from logic level to 20 amps.

The K3 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 K3 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
- Thru-panel drain option
- 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
- RoHS compliant



Standard Characteristics/Ratings:		
ELECTRICAL RATINGS:		
Load	Sea Level @ 12/28VDC	Sea Level @ 125VAC, 60Hz
Resistive	20A	16A
Inductive	15A	15A
Lamp	5A	5A
Motor	0.5HP @ 110VAC	
DWV	1050Vrms 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 (see appendix for complete voltage/current ratings table)	
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, black	
Button:	Thermoplastic	
Terminals/Contact:	Brass, silver alloy with silver plate, gold flash for logic level	
Terminal Hardware:	K3 series recommended Quick Connect terminals: AMP 60253-2 for 12-16 AWG AMP 42100-2 for 14-18 AWG	
Mounting Hardware:	None provided	

SEALED, ILLUMINATED ROCKER SWITCHES

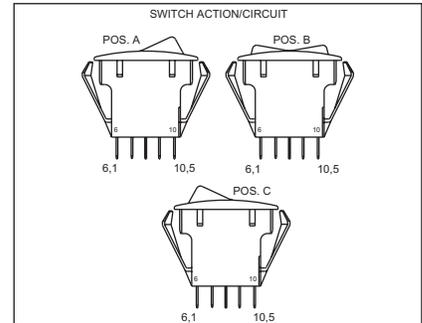
K3 SERIES PART NUMBER CODE

Part Number Code Continued Below

K3	X	X	XX	X	X																																																												
Base Options		Case Style/Button Color		Switch Action/Circuit																																																													
<p>A. With Keying Pin Only Standard Rating Silver Plate</p> <p>B. Without Barriers or Pin Standard Rating Silver Plate</p> <p>C. With Terminal Barriers Only Standard Rating Silver Plate</p> <p>D. With Keying Pin Only Logic Level Rating Gold Plate</p> <p>E. Without Barriers or Pin Logic Level Rating Gold Plate</p> <p>F. With Terminal Barriers Only Logic Level Rating Gold Plate</p> <p>G. With Keying Pin Only Standard Rating No Plate</p> <p>H. Without Barriers or Pin Standard Rating No Plate</p> <p>J. With Terminal Barriers Only Standard Rating No Plate</p>		<p>A. Case With Drain Holes Button Color: Black</p> <p>B. Case Without Drain Holes Button Color: Black</p> <p>C. Case With Drain Holes Button Color: Red</p> <p>D. Case Without Drain Holes Button Color: Red</p> <p>E. Case With Drain Holes Button Color: White</p> <p>F. Case Without Drain Holes Button Color: White</p> <p>NOTE: Switch case is black for all options below:</p> <p>1. Case With Drain Holes Button Not Included</p> <p>2. Case Without Drain Holes Button Not Included</p>		<table border="0"> <thead> <tr> <th>Position "A"</th> <th>Position "B"</th> <th>Position "C"</th> <th>Circuit</th> </tr> </thead> <tbody> <tr><td>1A. 3-4</td><td>NONE</td><td>OFF</td><td>SPST</td></tr> <tr><td>2A. 3-4/8-9</td><td>NONE</td><td>OFF</td><td>DPST</td></tr> <tr><td>1B. 3-4</td><td>NONE</td><td>3-2</td><td>SPDT</td></tr> <tr><td>2B. 3-4/8-9</td><td>NONE</td><td>3-2/8-7</td><td>DPDT</td></tr> <tr><td>1C. (3-4)</td><td>NONE</td><td>OFF</td><td>SPST</td></tr> <tr><td>2C. (3-4)/(8-9)</td><td>NONE</td><td>OFF</td><td>DPST</td></tr> <tr><td>1D. (3-4)</td><td>NONE</td><td>3-2</td><td>SPDT</td></tr> <tr><td>2D. (3-4)/(8-9)</td><td>NONE</td><td>3-2/8-7</td><td>DPDT</td></tr> <tr><td>1E. (3-4)</td><td>OFF</td><td>(3-2)</td><td>SPDT</td></tr> <tr><td>2E. (3-4)/(8-9)</td><td>OFF</td><td>(3-2)/(8-7)</td><td>DPDT</td></tr> <tr><td>1F. 3-4</td><td>OFF</td><td>3-2</td><td>SPDT</td></tr> <tr><td>2F. 3-4/8-9</td><td>OFF</td><td>3-2/8-7</td><td>DPDT</td></tr> <tr><td>1G. (3-4)</td><td>OFF</td><td>3-2</td><td>SPDT</td></tr> <tr><td>2G. (3-4)/(8-9)</td><td>OFF</td><td>3-2/8-7</td><td>DPDT</td></tr> </tbody> </table>		Position "A"	Position "B"	Position "C"	Circuit	1A. 3-4	NONE	OFF	SPST	2A. 3-4/8-9	NONE	OFF	DPST	1B. 3-4	NONE	3-2	SPDT	2B. 3-4/8-9	NONE	3-2/8-7	DPDT	1C. (3-4)	NONE	OFF	SPST	2C. (3-4)/(8-9)	NONE	OFF	DPST	1D. (3-4)	NONE	3-2	SPDT	2D. (3-4)/(8-9)	NONE	3-2/8-7	DPDT	1E. (3-4)	OFF	(3-2)	SPDT	2E. (3-4)/(8-9)	OFF	(3-2)/(8-7)	DPDT	1F. 3-4	OFF	3-2	SPDT	2F. 3-4/8-9	OFF	3-2/8-7	DPDT	1G. (3-4)	OFF	3-2	SPDT	2G. (3-4)/(8-9)	OFF	3-2/8-7	DPDT
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*See appendix for complete voltage/current ratings table.

NOTE: () denotes momentary action.



K3 PART NUMBER CODE - CONTINUED FROM ABOVE

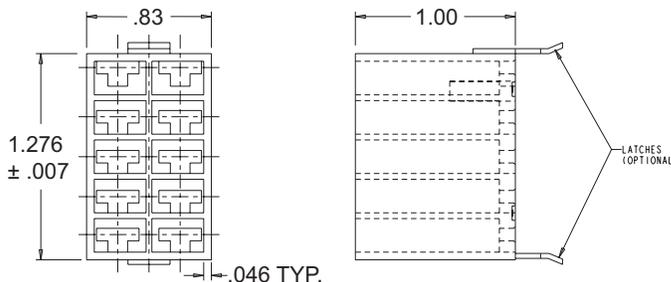
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STOP HERE for lighted switches without legends.

Example: K3AAIFNH-44

STOP HERE for unlighted switches without legends.

Example: K3AAIFAA



K3 Connector
P/N C801775-2A Without Latches
P/N C801775-2B With Latches

Panel Seal Gasket
P/N C807037-25
Order separately for use with switches without drain holes.

Panel Plug
See Panel Plug (PP) page.

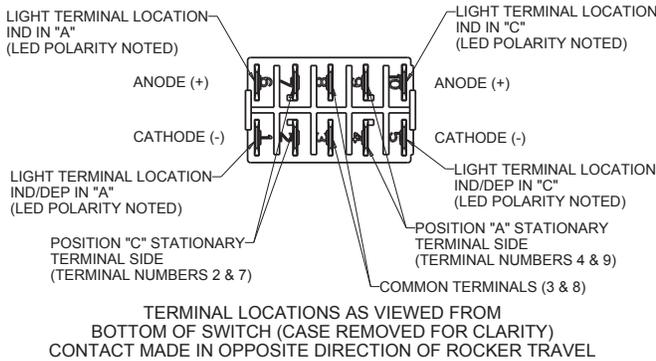
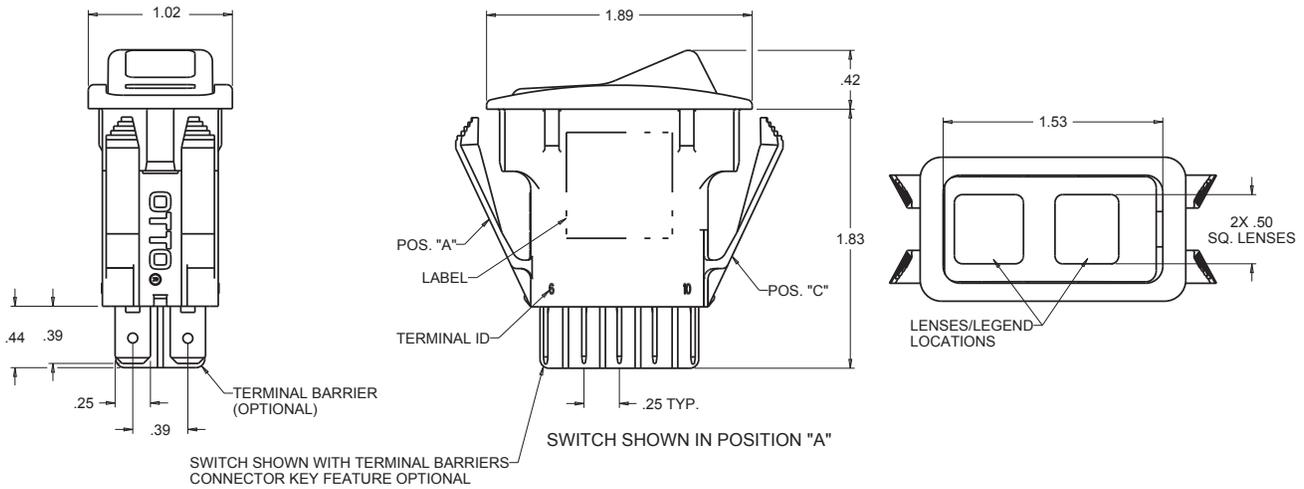
• K3 panel plugs available as shown in Panel Plugs (PP) section.

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

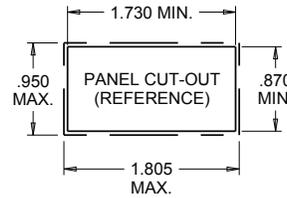
SEALED, ILLUMINATED ROCKER SWITCHES

K3
SEALED
ROCKERS

SNAP-IN PANEL MOUNTING, ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS



MOUNTING OPENING:
 PANEL THICKNESS RANGE OF .025 - .105 A GASKET IS RECOMMENDED
 PANEL THICKNESS RANGE OF .105 - .187 W/O GASKET
 PANEL OPENING: MIN. TYP. MAX.
 WIDTH .870 .937 .950
 LENGTH 1.730 1.768 1.805



<p>K3..1M... SPECIAL CIRCUIT - ON-ON SCHEMATIC</p>	<p>K3..2A... DPST-ON-NONE-OFF SCHEMATIC</p>	<p>K3..2B... DPDT-ON-NONE-ON SCHEMATIC</p>	<p>K3..2C... DPST-(ON)-NONE-OFF SCHEMATIC</p>	<p>K3..2D... DPDT-(ON)-NONE-ON SCHEMATIC</p>	
<p>GENERAL SCHEMATIC INFORMATION</p> <ul style="list-style-type: none"> ○ INDICATES MAINTAIN ACTION (FIXED POSITION) ▼ INDICATES MOMENTARY ACTION (AUTOMATIC RETURN POSITION) <p>FOR OTHER LIGHTING SCHEMATICS REPLACE FOLLOWING SYMBOLS:</p> <ul style="list-style-type: none"> Ⓜ INCANDESCENT (REPLACE RESISTOR & LED) Ⓝ NEON (REPLACE LED) 	<p>K3..2E... DPDT-(ON)-OFF-(ON) SCHEMATIC</p>	<p>K3..2F... DPDT-ON-OFF-ON SCHEMATIC</p>	<p>K3..2G... DPDT-(ON)-OFF-ON SCHEMATIC</p>	<p>K3..2BNC-Z DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A"</p>	<p>K3..2BNC-Z DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "C"</p>
<p>K3..2BND-Z DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A"</p>	<p>K3..2BNE-Z DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "C"</p>	<p>K3..2BNF... DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" & "C"</p>	<p>K3..2BNG... DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" & "C"</p>	<p>K3..2BNH... DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A" & "C"</p>	<p>K3..2BNJ... DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A" & "C"</p>