

SEALED, ILLUMINATED ROCKER SWITCHES

K3
SEALED
ROCKERS

ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS

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 low 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 low 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**
- **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**
- **Low level up to 20 amp switch**
- **Configurable Single Pole Triple Throw (SPTT) with external jumpers**
- **RoHS/WEEE/Reach 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	
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, black	
Button:	Thermoplastic	
Terminals/Contact:	Brass, silver alloy with silver plate, gold flash for low 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	

Part Number Code Continued Below

X

Light Circuit

- | Circuit | Terminal Connections |
|----------------|----------------------|
| A. None | None |
| B. Dep. in "A" | 1(-) & 4(+) |
| C. Dep. in "C" | 2(+) & 5(-) |
| D. Ind. in "A" | 1(-) & 6(+) |
| E. Ind. in "C" | 5(-) & 10(+) |
| F. Dep. in "A" | 1(-) & 4(+) |
| Dep. in "C" | 2(+) & 5(-) |
| G. Dep. in "A" | 1(-) & 4(+) |
| Ind. in "C" | 5(-) & 10(+) |
| H. Ind. in "A" | 1(-) & 6(+) |
| Dep. in "C" | 2(+) & 5(-) |
| J. Ind. in "A" | 1(-) & 6(+) |
| Ind. in "C" | 5(-) & 10(+) |

	Position "A"	Position "B"	Position "C"	Special Circuits
1H.	3-4/8-9	8-9	OFF	ON/ON/OFF
1J.	3-4/8-9	8-9	NONE	ON/ON/NONE
1K.	(3-4)/(8-9)	8-9	OFF	(ON)/ON/OFF
1L	(3-4)/(8-9)	8-9	NONE	(ON)/ON/NONE
1M.	3-4/8-9	3-2/8-9	3-2/8-7	ON/ON/ON
1N.	(3-4)/(8-9)	3-2/8-9	3-2/8-7	(ON)/ON/ON
1P.	(3-4)/(8-9)	3-2/8-9	(3-2)/(8-7)	(ON)/ON/(ON)
2R.	3-4/8-9	OFF/8-9	OFF/OFF	ON/OFF/OFF
				ON/ON/OFF
2S.	(3-4)/8-9	OFF/8-9	OFF/OFF	(ON)/OFF/OFF
				ON/ON/OFF

SWITCH ACTION/CIRCUIT

POS. A

POS. B

POS. C

6, 1 10, 5

6, 1 10, 5

6, 1 10, 5

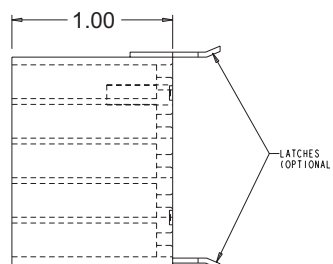
X

Legend Orientation

- | | Position
"A" | Position
"C" |
|---------|-----------------|-----------------|
| 1. Std. | A | C |
| 2. 90° | A | C |
| 3. 180° | A | C |
| 4. 270° | A | C |

④ For legend color "B" and "D", please use button color "A" & "B" and lens color "Z" for each position.

Example: K3AAIFAA

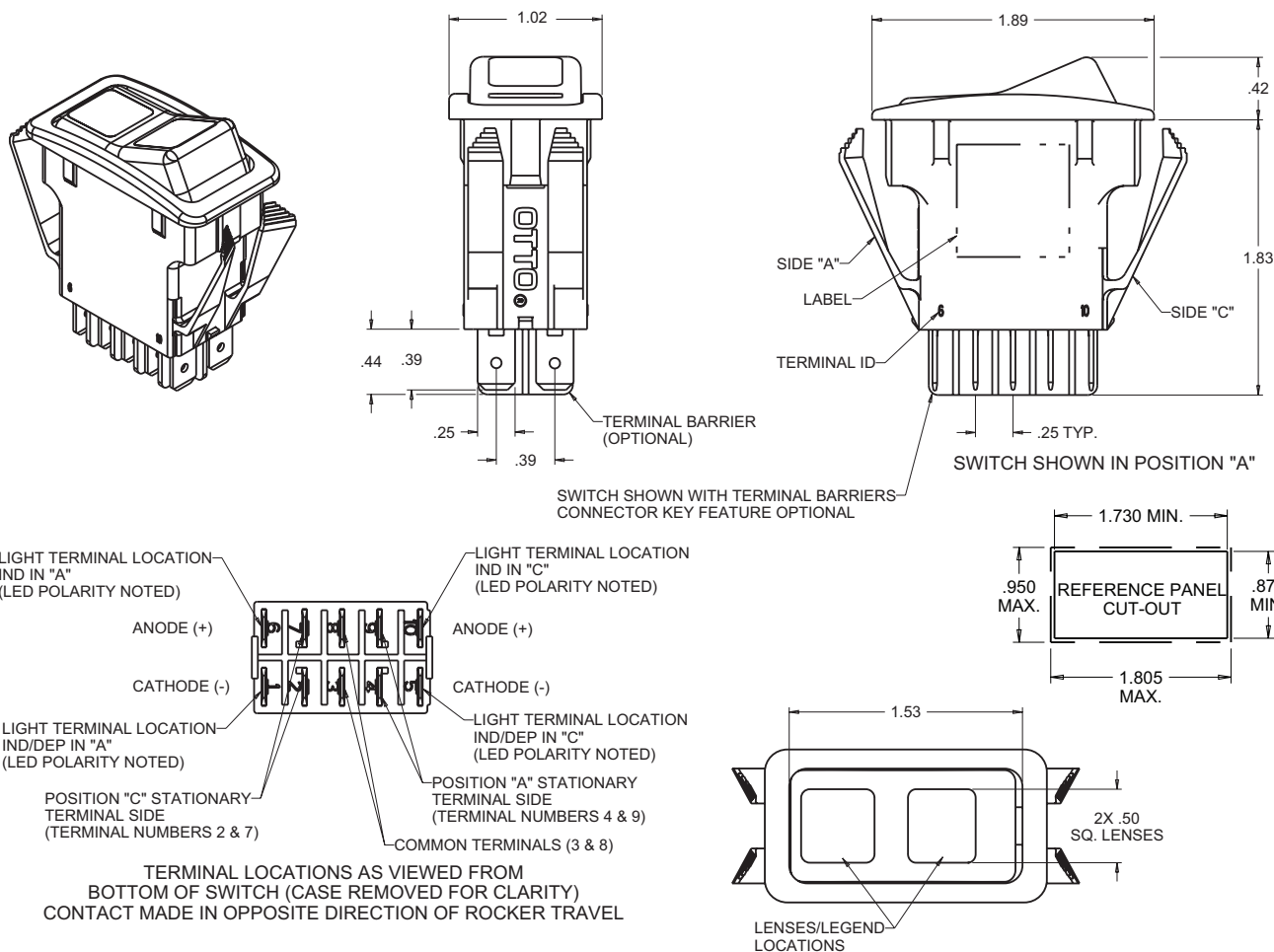


Panel Plug
See Panel Plug (PP) page 167.

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



K3...1M... POS "A" POS "B" POS "C" SPECIAL CIRCUIT - ON-ON-ON SCHEMATIC		K3...2A... DPST-ON-NONE-OFF SCHEMATIC		K3...2B... DPDT-ON-NONE-ON SCHEMATIC		K3...2C... DPST-(ON)-NONE-OFF SCHEMATIC		K3...2D... DPDT-(ON)-NONE-ON SCHEMATIC	
GENERAL SCHEMATIC INFORMATION ○ INDICATES MAINTAIN ACTION (FIXED POSITION) ▼ INDICATES MOMENTARY ACTION (AUTOMATIC RETURN POSITION) FOR OTHER LIGHTING SCHEMATICS REPLACE FOLLOWING SYMBOLS: ⬤ INCANDESCENT (REPLACE RESISTOR & LED) ⬤ NEON (REPLACE LED)		K3...2E... DPDT-(ON)-OFF-(ON) SCHEMATIC		K3...2F... DPDT-ON-OFF-ON SCHEMATIC		K3...2G... DPDT-(ON)-OFF-ON SCHEMATIC		K3...2BNC-Z DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A"	
K3...2BNC-Z DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "C"		K3...2BNC-Z DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" & "C"		K3...2BNC-Z DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" & "C"		K3...2BNC-Z DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" & "C"		K3...2BNC-Z DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" & "C"	



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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