

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	

K3 SERIES PART NUMBER CODE

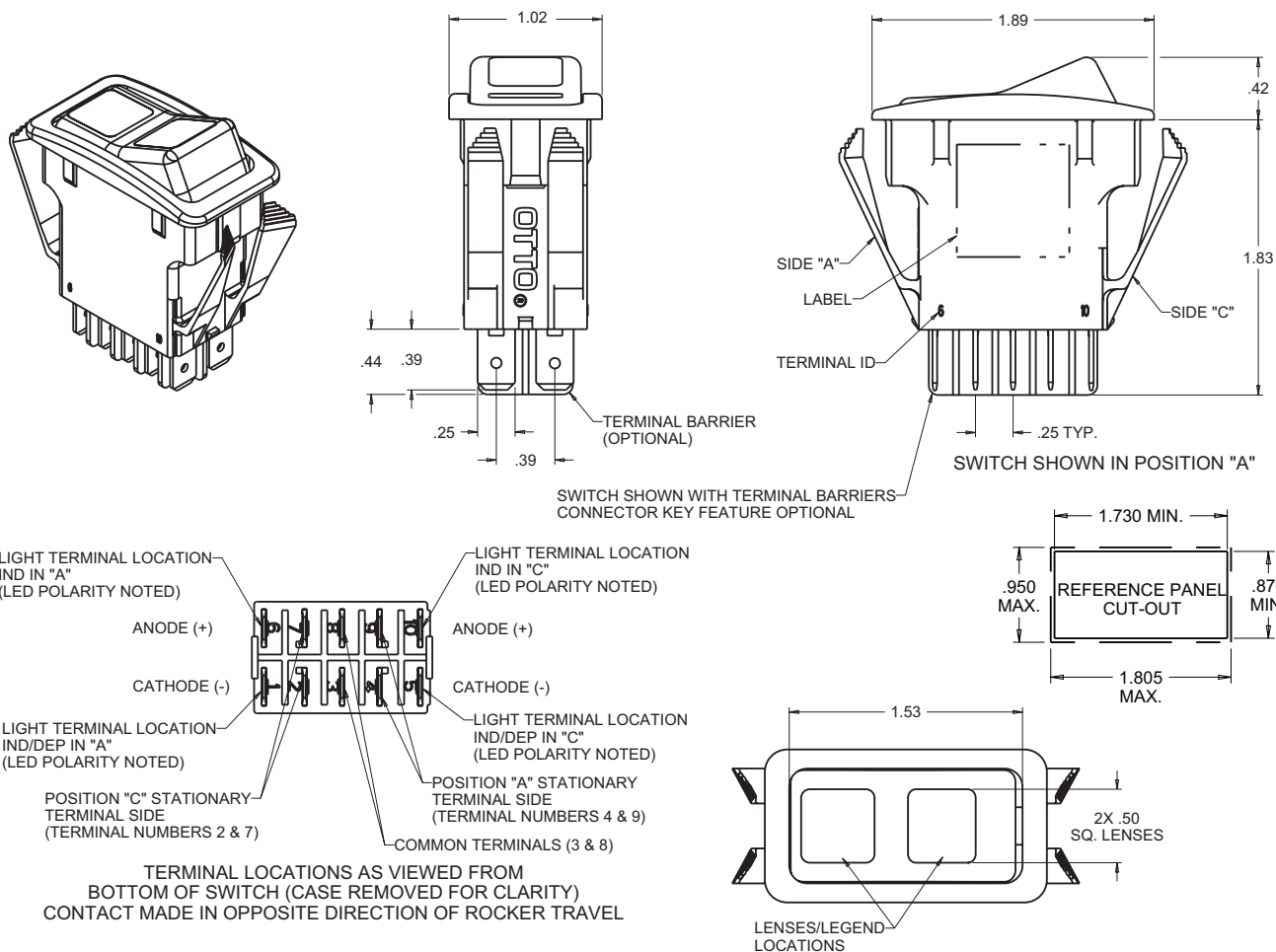
Part Number Code Continued Below

K3		X		XX		X		X		
Base Options		Case Style/Button Color		Switch Action/Circuit		Light Source Type		Light Circuit		
A. With Keying Pin Only Standard Rating Silver Plate		A. Case With Drain Holes Button Color: Black		Position "A"	Position "B"	Position "C"	Circuit	A. No Illumination	Circuit	Terminal Connections
B. Without Barriers or Pin Standard Rating Silver Plate		B. Case Without Drain Holes Button Color: Black		1A. 3-4	NONE	OFF	SPST	B. 6V Incandescent	B. Dep. in "A"	1(-) & 4(+)
C. With Terminal Barriers Only Standard Rating Silver Plate		C. Case With Drain Holes Button Color: Red		2A. 3-4/8-9	NONE	OFF	DPST	C. 12V Incandescent	C. Dep. in "C"	2(+) & 5(-)
D. With Keying Pin Only Low Level Rating Gold Plate		D. Case Without Drain Holes Button Color: Red		1B. 3-4	NONE	3-2	SPDT	D. 24V Incandescent	D. Ind. in "A"	1(-) & 6(+)
E. Without Barriers or Pin Low Level Rating Gold Plate		E. Case With Drain Holes Button Color: White		2B. 3-4/8-9	NONE	3-2/8-7	DPDT	E. 125VAC Neon	E. Ind. in "C"	5(-) & 10(+)
F. With Terminal Barriers Only Low Level Rating Gold Plate		F. Case Without Drain Holes Button Color: White		1C. (3-4)	NONE	OFF	SPST	F. 2V Green LED	F. Dep. in "A"	1(-) & 4(+)
G. With Keying Pin Only Standard Rating No Plate		NOTE: Switch case is black for all options below:		2C. (3-4)/(8-9)	NONE	OFF	DPST	G. 2V Amber LED	G. Dep. in "C"	2(+) & 5(-)
H. Without Barriers or Pin Standard Rating No Plate		1. Case With Drain Holes Button Not Included		1D. (3-4)	NONE	3-2	SPDT	H. 6V Red LED	H. Ind. in "A"	1(-) & 6(+)
J. With Terminal Barriers Only Standard Rating No Plate		2. Case Without Drain Holes Button Not Included		2D. (3-4)/(8-9)	NONE	3-2/8-7	DPDT	I. 12V Red LED	I. Dep. in "C"	2(+) & 5(-)
				1E. (3-4)	OFF	(3-2)	SPDT	J. 12V Green LED	J. Ind. in "A"	1(-) & 6(+)
				2E. (3-4)/(8-9)	OFF	(3-2)/(8-7)	DPDT	K. 24V Red LED	Ind. in "C"	5(-) & 10(+)
				1F. 3-4	OFF	3-2	SPDT	L. 6V Green LED		
				2F. 3-4/8-9	OFF	3-2/8-7	DPDT	M. 6V Amber LED		
				1G. (3-4)	OFF	3-2	SPDT	N. 12V Red LED		
				2G. (3-4)/(8-9)	OFF	3-2/8-7	DPDT	O. 12V Amber LED		
								P. 24V Red LED		
								Q. 24V Green LED		
								R. 24V Amber LED		

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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 ACTION) 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...2BND-Z DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A"		K3...2BNE-Z DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "C"		K3...2BNF-- DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" & "C"		K3...2BNG-- DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A" & INDEPENDENT LED IN "C"		K3...2BNH-- DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A" & DEPENDENT LED IN "C"		K3...2BNJ-- DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A" & "C"	



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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);
- Экспресс доставка в любую точку России;
- 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;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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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