

The K4 series snap-in toggle switches are rugged, high performance sealed switches designed for use under severe conditions found in marine, appliance, heavy equipment and industrial control applications. They are totally sealed so the switch can withstand direct water spray and submersion, even during operation. Sealed to IP68S with an optional panel seal available, the K4 is also sealed to IP69K.

The K4 series is offered in single and double pole configurations. Toggle action includes 2 and 3-position, momentary and maintained operation in a combination of 13 variations.

Mounting is simple and quick; snaps into panel from the front. The OTTO snap-in design supports a variety of panel thicknesses with just one cutout size specified.

Existing unsealed applications are easily upgraded to sealed functionality because the K series drops into existing panel cutouts.

A choice of models are offered to handle current from 16 amps to low level electronic switching levels.

Features:

- Withstands direct water spray
- Sealed to IP68S and IP69K
- Fits industry standard panel openings for drop-in replacement of panel sealed & unsealed switches
- Snap-in feature accommodates a wide range of panel cutouts
- Switches up to 16 amps
- UV & solvent resistant
- Withstands extreme shock & vibration
- Legends & illuminated function indicators available
- 2 & 3-position, momentary, maintained action & center OFF
- RoHS/WEEE/Reach compliant



Single & Double Pole

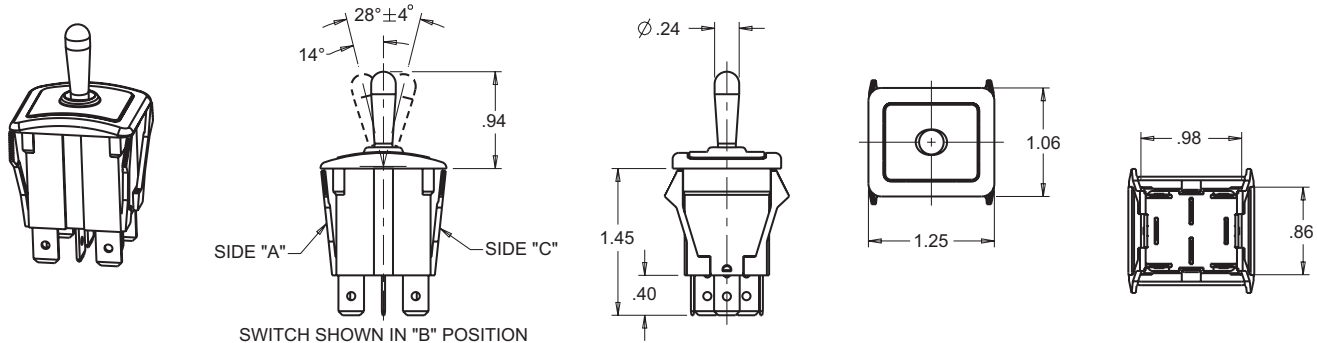
LED, Neon or
Incandescent Illumination

Standard Characteristics/Ratings:		
ELECTRICAL RATINGS:		
Load	Sea Level @ 28VDC or 125/250VAC, 60Hz	Cycles
Resistive	16A	25,000
Resistive	10A	50,000
Inductive	10A	25,000
Lamp	5A	25,000
Motor	0.5HP	25,000
DWV	1050Vrms except across light terminals	
Low Level	10mA @ 30mV	100,000
Electrical Life:		See Rating Chart
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 and IP69K
Operating Temp Range:		-30°C to +85°C
MATERIALS:		
Case:	Thermoplastic	
Toggle:	Stainless steel	
Terminals/Contact:	Brass, silver alloy with silver plate, gold plate for low level	
Terminal Hardware:	Screws and lockwashers provided when applicable K4 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 SNAP-IN TOGGLE

K4
SNAP-IN
TOGGLES

LOW COST, SNAP-IN TOGGLE FOR WET & DUSTY ENVIRONMENTS, 1 & 2 POLES

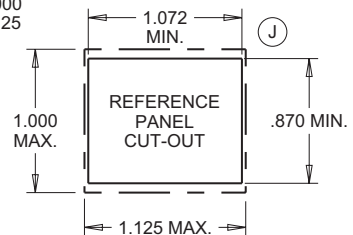


TERMINAL STYLES (.032 THICK)		
SCREW	QUICK CONNECT	SOLDER

MOUNTING OPENING: (J)

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 1.000
LENGTH 1.072 1.099 1.125



K4 SERIES PART NUMBER CODE

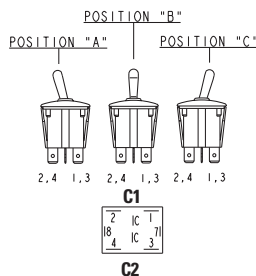
Terminal Style/ Switch Rating	Actuator Style	Switch Action/Circuit			Circuit	Light Type	Lens Color		Light/Circuit Location	Legend & Orientation
A. Quick Connect/ Standard	A. Bat Handle	Position "A"	Position "B"	Position "C"			Position "A"	Position "B"		
B. Screw/Standard		A. 1-C1	NONE	OFF	SPST	A. No Light			A. No Light	A. No Legend
C. Solder/Standard		B. 1-C1	NONE	2-C1	SPDT	B. 6V Incandescent			B. Dependent Light ON in position "A" Wired to terms 1 & 7	B. Dependent Light ON in position "A" Wired to terms 1 & 7
D. Quick Connect/ Low Level		C. (1-C1)	NONE	OFF	SPST	C. 12V Incandescent			C. Dependent Light ON in position "C" Wired to terms 2 & 8	C. Dependent Light ON in position "C" Wired to terms 2 & 8
E. Screw/Low Level		D. (1-C1)	NONE	2-C1	SPDT	D. 24V Incandescent			D. Independent Light at position "A" Wired to terms 7 & 8	D. Independent Light at position "A" Wired to terms 7 & 8
F. Solder/Low Level		E. (1-C1)	OFF	(2-C1)	SPDT	E. 125VAC Neon			E. Independent Light at position "A" Wired to terms 3 & 7	E. Independent Light at position "A" Wired to terms 3 & 7
		F. 1-C1	OFF	2-C1	SPDT	F. 250VAC Neon			F. Dependent Light ON in position "A" Wired to terms 1 & 7	F. Dependent Light ON in position "A" Wired to terms 1 & 7
		G. (1-C1)	OFF	2-C1	SPDT	G. 2V Red LED			G. Dependent Light ON in position "C" Wired to terms 4 & 8	G. Dependent Light ON in position "C" Wired to terms 4 & 8
		H. 1-C1/3-C2	NONE	OFF	DPST	H. 2V Green LED			H. Independent Light at position "A" Wired to terms 7 & 8	H. Independent Light at position "A" Wired to terms 7 & 8
		J. 1-C1/3-C2	NONE	2-C1/4-C2	DPDT	J. 2V Amber LED			J. Dependent Light ON in position "A" Wired to terms 3 & 7	J. Dependent Light ON in position "A" Wired to terms 3 & 7
		K. (1-C1)/(3-C2)	NONE	OFF	DPST	K. 6V Red LED			K. Independent Light at position "A" Wired to terms 7 & 8	K. Independent Light at position "A" Wired to terms 7 & 8
		L. (1-C1)/(3-C2)	NONE	2-C1/4-C2	DPDT	L. 6V Green LED			L. Independent Light at position "A" Wired to terms 3 & 7	L. Independent Light at position "A" Wired to terms 3 & 7
		M. (1-C1)/(3-C2)	OFF	(2-C1)/(4-C2)	DPDT	M. 6V Amber LED			M. Independent Light at position "C" Wired to terms 4 & 8	M. Independent Light at position "C" Wired to terms 4 & 8
		N. 1-C1/3-C2	OFF	2-C1/4-C2	DPDT	N. 12V Red LED			N. Independent Light at position "C" Wired to terms 4 & 8	N. Independent Light at position "C" Wired to terms 4 & 8
		P. (1-C1)/(3-C2)	OFF	2-C1/4-C2	DPDT	P. 12V Green LED			P. Independent Light at position "C" Wired to terms 4 & 8	P. Independent Light at position "C" Wired to terms 4 & 8
						Q. 12V Amber LED				
						R. 24V Red LED				
						S. 24V Green LED				
						T. 24V Amber LED				

NOTE: Contact factory for panel recommendations on switches with potting cups.

NOTE: () denotes momentary action.

Optional Panel Gasket:
P/N 807038-1 .0062" thickness
P/N 807038-2 .0031" thickness

K4 Connector P/N C801765



NOTES:

- No momentary switches with dependent lights.
- Neon lamps only to be coded with clear or amber lenses.
- LED lenses must be clear or same color as LED.
- No legends on lamp side of switch.
- No dependent light in OFF positions.
- All legends printed on actuators without lens(es) will be white except actuator codes C, F, J, M & R.
- All legends printed on lenses will be white except on clear lens(es) will be black.

NOTE: LED anode (+) terminal number shown in **bold**.

D = Dependent Light
I = Independent Light

① All legends are white. Legend cannot be on the same side as the lens.

ORDERING INFORMATION

Example: K4AAKEEABA specifies Q.C. terminals, standard rating; bat handle; DPST two position momentary ON, maintained OFF; 125VAC neon light; clear lens in positions "A", no lens in position "C"; dependent light ON in position "A", wired to terminals 1 & 7; no legend.

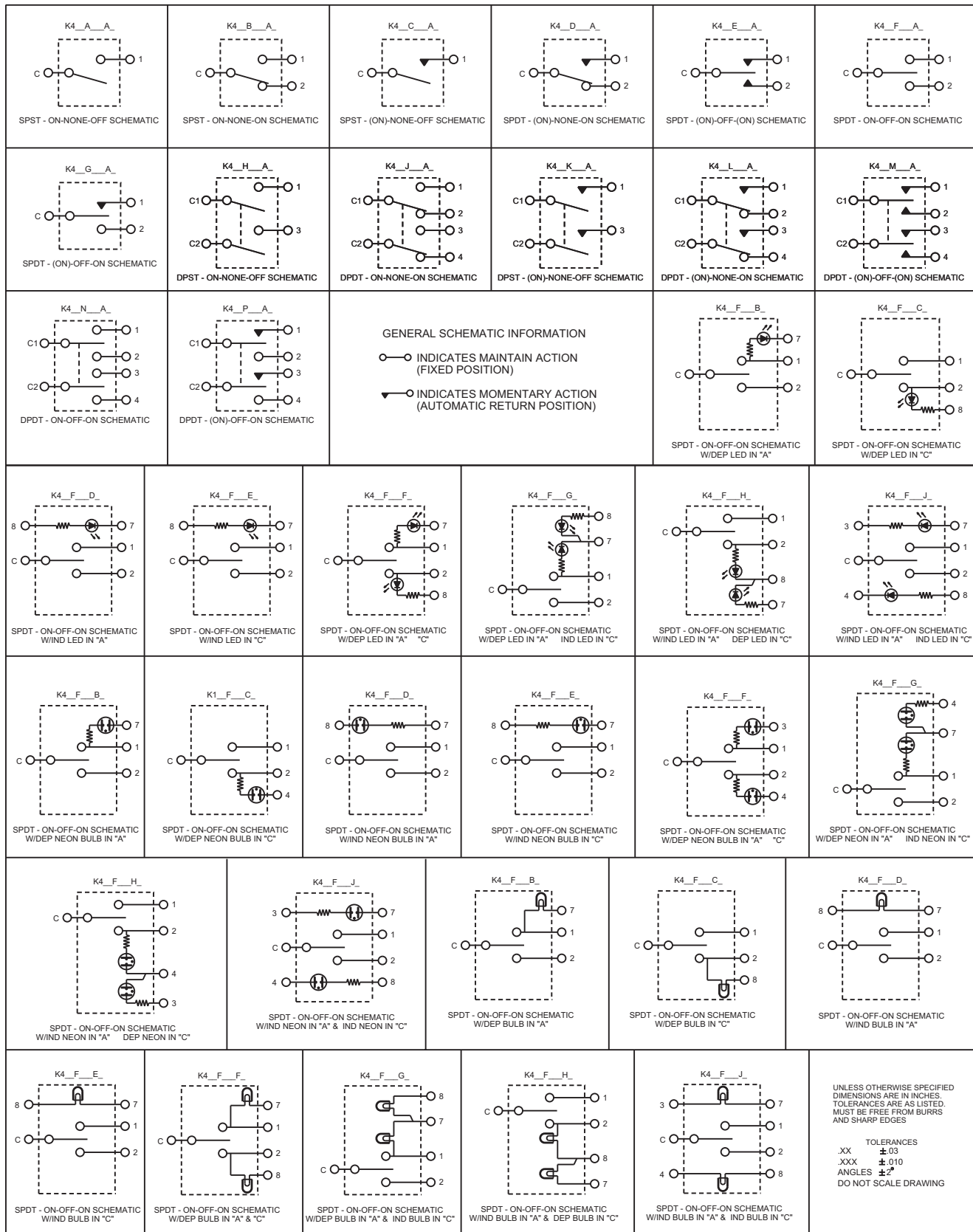
- K4 panel plugs available as shown on page 167.

Specifications Subject To Change Without Notice

www.ottoexcellence.com 175

ROCKER SWITCHES

K4 SCHEMATICS





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);
- 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

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.