SEALED, ILLUMINATED SNAP-IN TOGGLE

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

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 to IP68S and IP69K so the switch can withstand direct water spray and submersion. With the optional panel seal gasket, the K4 is also panel sealed.

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 logic 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 compliant



LED. Neon or Incandescent Illumination

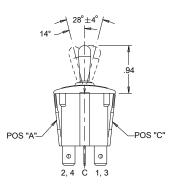
Standard Characte	eristics/Ratinus		
FLECTRICAL RATINGS:			
Load	Sea Level @ 28VDC	Sea Level @125VAC, 60Hz	Cycles
Resistive	16A	5A	25,000
Resistive	10A	N/A	50,000
Inductive	7A	2A	25,000
DWV	1000Vrms except across light terminals		
Logic Level	10mA @ 5VDC, max D.C. logic level ratings 100,000 (void if logic level load(s) exceeded at any time)		
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 Rang	e: -30°C to +85°C		
MATERIALS:			
Case:	Thermoplastic		
Toggle:	Stainless steel		
Terminals/Contact:	Brass, silver alloy with silver plate, gold plate for logic 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		

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



SCREW

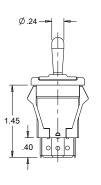
#6-32 THD

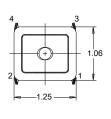


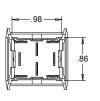
TERMINAL STYLES (.032 THICK)

SOLDER

QUICK CONNECT







PANEL THICKNESS AND MOUNTING OPENING GUIDELINES:

Lens Color

Position

"B"

A. No Lens

B. Red

C. Green

D. Amher

E. Clear

Position

"A"

A. No Lens

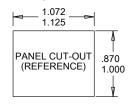
B. Red

C. Green

D. Amber

E. Clear

PANEL THICKNESS RANGE OF .025 - .105 (GASKET RECOMMENDED) PANEL THICKNESS RANGE OF .105 - .187 (GASKET NOT REQUIRED)



Circuit

SPST

SPST

SPDT

SPDT

SPDT

DPST

DPDT

DPDT

DPDT

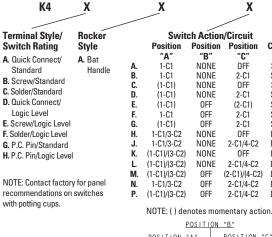
DPDT

P.C. PIN

.030 SQ

.10

K4 SERIES PART NUMBER CODE



POSITION "A" POSITION "C" P/N C807038-25-1 0.062" thickness 1,3 2,4 1,3 **C1** P/N C807038-25-2 0.031" thickness K4 connector P/N C801765

Light Type* A. No Light B. 6V Incandescent C. 12V Incandescent D. 24V Incandescent F. 125VAC Neon F. 250VAC Neon G 2V Red LED H. 2V Green LED J. 2V Amher I FD K. 6V Red LED

L. 6V Green LED M.6V Amber LED N. 12V Red LED

P. 12V Green LED Q. 12V Amber LED

R. 24V Red LED S. 24V Green LED T. 24V Amber LED

- 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.

ORDERING INFORMATION

Hardware & Accessories section)

· K4 panel plugs available as shown

in Panel Plugs (PP) section.

Optional Panel Gasket:

(See Connector page in

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.

*See Appendix for complete voltage/current ratings table.

X X **Light/Circuit Location Legend & Orientation** A. No Legend A. No Light R. G. 0 0 0 Dependent Light ON in position "A" Wired to terms 1 & 7 Dependent Light ON in position "A" Wired to terms 1 & 7

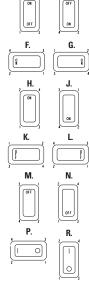
Independent Light C. at position "C" Wired to terms 7 & 8 0 Dependent Light H. ON in position Wired to terms 2 & 8 0 D. Independent Light at position "A" Wired to terms 7 & 8 Dependent Light Independent Light at position "A" Wired to terms 7 & 8 ON in position Wired to terms 2 & 8 0 1

Independent Light at position "C" Wired to terms 7 & 8 Independent Light at position "A" Wired to terms 3 & 7 Independent Light at position "C" Wired to terms 4 & 8 (D D) Dependent Light ON in position "A" Wired to terms 1 & 7 Dependent Light

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

D = Dependent Light I = Independent Light

Wired to terms 2 & 8



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

K4 SCHEMATICS

