

The OTTO K5 series 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.

K5 series sealed rocker switches snap into industry-standard panel cutouts. Choose illuminated and printed legends, thru-panel drain option and switching compatibility from logic level up to 20 amps.

The K5 series 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 K5 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**
- **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**
- **Soft Touch button available**
- **RoHS compliant**



Raised Bars Shown

Standard Characteristics/Ratings:

ELECTRICAL RATINGS:

Load	Sea Level @ 28VDC	Sea Level @ 125VAC, 60/400Hz
Resistive	20A	16A
Inductive	15A	15A
Lamp	5A	5A
Motor	0.5HP @ 110VAC	
DWV	1000Vrms 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
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
Button:	Thermoplastic
Terminals/Contact:	Brass, silver alloy with silver plate, gold flash for logic level
Terminal Hardware:	K5 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

SNAP-IN PANEL MOUNTING

K5 SERIES PART NUMBER CODE

Part Number Code Continued Below

K5		X	X	X	X	XX	X	X			
Base Options		Rocker Color*/Style		Rocker Features		Switch Action/Circuit		Light Source Type*		Light Circuit	
A. With Keying Pin Only Standard Rating Silver Plate		A. Black Plastic Rocker B. Black "Soft Touch" Rocker C. Red Plastic Rocker		Position "A" Position "C" 1. No Feature 1. No Feature 2. Lens 2. Lens 3. Raised Bars 3. Raised Bars 4. Raised Lit Bars 4. Raised Lit Bars		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		A. No Illumination B. 6V Incandescent C. 12V Incandescent D. 24V Incandescent E. 125VAC Neon F. 250VAC Neon G. 2V Red LED H. 2V Green LED J. 2V Amber LED 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		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(+) G. Dep. in "C" 2(+) & 5(-) H. Ind. in "A" 1(-) & 6(+) I. Dep. in "C" 2(+) & 5(-) J. Ind. in "A" 1(-) & 6(+) K. Ind. in "C" 5(-) & 10(+)	
B. Without Barriers or Pin Standard Rating Silver Plate		D. Red "Soft Touch" Rocker E. White Plastic Rocker F. White "Soft Touch" Rocker H. Green Plastic Rocker J. Orange Plastic Rocker K. Blue Plastic Rocker L. Gray "Soft Touch" Rocker M. Gray Plastic Rocker		NOTE: Soft Touch rockers require same color lenses/ lit bars for both positions.							
C. With Terminal Barriers Only Standard Rating Silver Plate											
D. With Keying Pin Only Logic Level Rating Gold Plate											
E. Without Barriers or Pin Logic Level Rating Gold Plate		*Additional colors available. Contact factory.									
F. With Terminal Barriers Only Logic Level Rating Gold Plate											
G. With Keying Pin Only Standard Rating No Plate											
H. Without Barrier or Pin Standard Rating No Plate											
J. With Terminal Barriers Only Standard Rating No Plate											

NOTE: All code combinations are not feasible.
Consult factory for product availability.

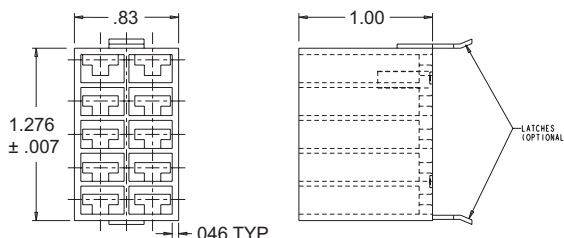
NOTE: () denotes momentary action.

K5 PART NUMBER CODE - CONTINUED FROM ABOVE

X		XX	XX	X	X	X
Lens Color		Legend Style		Legend Color		Legend Orientation
Position "A" Position "C" 1. Transparent Red 1. Transparent Red 2. Transparent Green 2. Transparent Green 3. Transparent Amber ① 3. Transparent Amber ① 4. Clear ① 4. Clear ① 5. Translucent White ② 5. Translucent White ② Z. No Lens Z. No Lens		Position "A" Position "C" ZZ. No Legend ZZ. No Legend		Position "A" Position "C" 1. Red 1. Red 2. Black 2. Black 9. White 9. White B. Backlight/Daylight White ③ B. Backlight/Daylight White ③ D. Backlight/Deadfront ③ D. Backlight/Deadfront ③ Z. No Legend Z. No Legend		Position "A" Position "C" 1. Std. A C 2. 90° A C 3. 180° V J 4. 270° A C
NOTE: It is not recommended to use green LEDs with translucent white lenses. This will reduce light intensity. Use clear lenses with green LEDs for maximum light intensity. ① Recommended for neon lamps. ② Special Order: Ultra bright green LEDs to be used with translucent white lens.		NOTE: For all other legend options, refer to the legend table in the appendix, find the two digit code and enter the code in the appropriate position(s).		③ Only available on Rocker Style "A" & Rocker Features "1" and lens color "Z" for each position.		
STOP HERE for unlighted switches without legends.		STOP HERE for lighted switches without legends.				
Example: K5AA331BAA		Example: K5AA331FNH-44				

STOP HERE for unlighted switches without legends.

Example:
K5AA331BAA



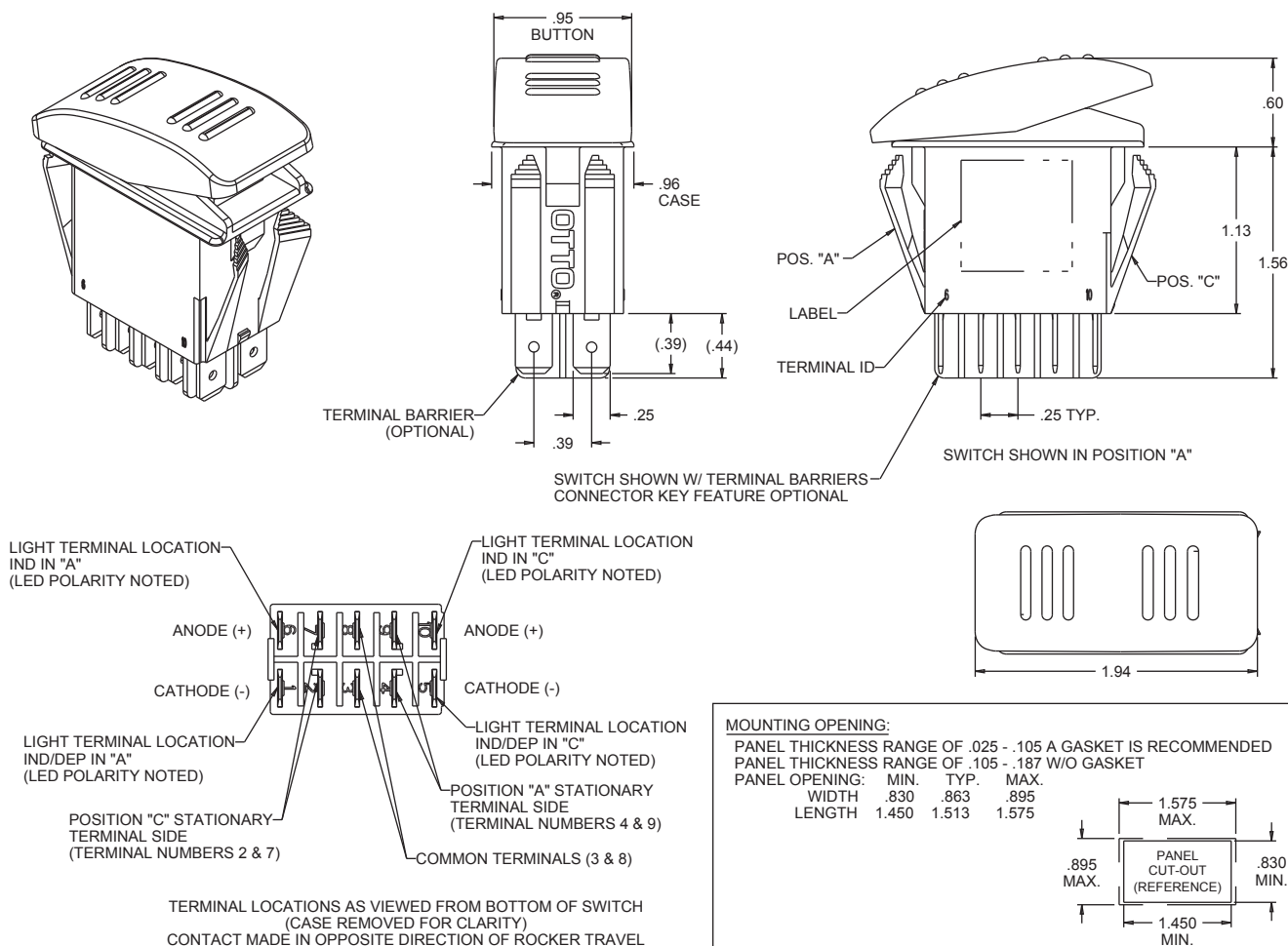
K5 Connector
P/N C801775-2A Without Latches
P/N C801775-2B With Latches

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

Panel Seal Gasket
P/N C807109

• K5 panel plugs available as shown in Panel Plugs (PP) section.

ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS



<p>POS "A"</p> <p>SPECIAL CIRCUIT - ON-ON-ON SCHEMATIC</p>	<p>K5....IM....</p> <p>SPECIAL CIRCUIT - ON-ON-ON SCHEMATIC</p>	<p>POS "B"</p> <p>SPECIAL CIRCUIT - ON-ON-ON SCHEMATIC</p>	<p>POS "C"</p> <p>SPECIAL CIRCUIT - ON-ON-ON SCHEMATIC</p>	<p>K5....2A....</p> <p>DPST-ON-NONE-OFF SCHEMATIC</p>	<p>K5....2B....</p> <p>DPDT-ON-NONE-ON SCHEMATIC</p>	<p>K5....2C....</p> <p>DPST-(ON)-NONE-OFF SCHEMATIC</p>	<p>K5....2D....</p> <p>DPDT-(ON)-NONE-ON SCHEMATIC</p>
<p>GENERAL SCHEMATIC INFORMATION</p> <p>○—○ INDICATES MAINTAIN ACTION (FIXED POSITION)</p> <p>▼—○ INDICATES MOMENTARY ACTION (AUTOMATIC RETURN POSITION)</p> <p>FOR OTHER LIGHTING SCHEMATICS REPLACE FOLLOWING SYMBOLS:</p> <p> INCANDESCENT (REPLACE RESISTOR & LED)</p> <p> NEON (REPLACE LED)</p>	<p>K5....2E....</p> <p>DPDT-(ON)-OFF-(ON) SCHEMATIC</p>	<p>K5....2F....</p> <p>DPDT-ON-OFF-ON SCHEMATIC</p>	<p>K5....2G....</p> <p>DPDT-(ON)-OFF-ON SCHEMATIC</p>	<p>K5....2BNC-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A"</p>	<p>K5....2BNC-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "C"</p>	<p>K5....2BND-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A"</p>	<p>K5....2BNE-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "C"</p>
<p>K5....2BND-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A"</p>	<p>K5....2BNE-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "C"</p>	<p>K5....2BNF-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" & "C"</p>	<p>K5....2BNG-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" & "C"</p>	<p>K5....2BNH-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A" & "C"</p>	<p>K5....2BNJ-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A" & "C"</p>	<p>K5....2BND-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A"</p>	<p>K5....2BNE-Z</p> <p>DPDT-ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "C"</p>

SNAP-IN PANEL MOUNTING

Standard Legends Per SAE Specifications

STANDARD LEGENDS PER SAE SPECIFICATIONS					
A1 	ANCHOR	K2 	UNLOCK	P5 	BILGE BLOWER
B1 	BATTERY	L1 	LIGHT	R1 	LIFT
B2 	ELECTRIC POWER	L2 	MASTER LIGHTING SWITCH	R2 	LOWER
C1 	AC/COOLING SYSTEMS	L3 	HEADLIGHTS	R3 	UP
C2 	DEHUMIDIFIER	L4 	HEADLIGHTS-LOW / DIPPED BEAM	R4 	DOWN
C3 	HEATER/INTERIOR HEATING	L5 	HEADLIGHTS-HIGH / UPPER BEAM	R5 	RIGHT
D1 	WINDSHIELD DEFROSTER	L6 	PARKING LIGHT	R6 	LEFT
D2 	REAR WINDOW DEFROSTER	L7 	WORK LAMP	R7 FWD	FORWARD
D3 	MIRROR DEFROSTER	L8 	WORK LAMP	R8 REV	REVERSE
E1 	ENGINE/START	L9 	INTERIOR DOME LIGHT	S1 	RADIO
E2 	ENGINE/STOP	M1 	BEACON	S2 	MUTE
E3 	ON/START	M2 	HAZARD/POSITION LIGHTS	T1 	FAST
E4 	OFF/STOP	M3 	CLEARANCE LIGHTS	T2 	SLOW
E5 ON	ON	M4 	SIDE MARKER LIGHT	T3 	TRIM TAB / TRIMMING OPERATION
E6 OFF	OFF	M5 	RUNNING LIGHTS (UNDER POWER)	T4 	TRANSMISSION
E7 	ENGINE ELECTRIC PREHEAT	M6 	ANCHOR LIGHT	V1 	VENTILATING / AC FAN
E8 	ENGINE-GAS INJECTION	M7 	RUNNING/ANCHOR LIGHTS	W1 	WINDSHIELD WIPER
F1 	FRONT FOG LIGHTS	M8 	SEARCH LIGHT	W2 	WINDSHIELD-WASHER
F2 	REAR FOG LIGHTS	M9 	LEFT TURN SIGNAL	W3 	WINDSHIELD-WASHER/WIPER
G1 	FUEL	MA 	RIGHT TURN SIGNAL	W4 	REAR WINDOW WIPER
H1 	HORN	P1 	BILGE PUMP #1	W5 	REAR WINDOW-WASHER
H2 	HORN REAR	P2 	BILGE PUMP #2	W6 	REAR WINDOW-WASHER/WIPER
K1 	LOCK	P3 	BILGE PUMP #3	ZZ	NO LEGEND
		P4 	BILGE PUMP		

For legends not shown, please consult an OTTO representative.

K1 THROUGH K5 & R2 PANEL PLUGS

K1-PA Panel Plug One Piece Molded

OPTIONAL PANEL GASKET:

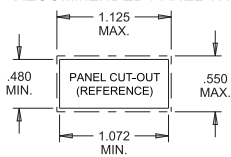
0.062" THICKNESS =
P/N 807039-1

0.031" THICKNESS =
P/N 807039-2

MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:

RANGE 0.025 - 0.105 OPTIONAL PANEL
GASKET RECOMMENDED
RANGE 0.105 - 0.187 WITHOUT GASKET



Panel Opening:	Min.	Typ.	Max.
Width	0.480	0.515	0.550
Length	1.072	1.099	1.125

K2-PB Panel Plug Assembled Plug

OPTIONAL PANEL GASKET:

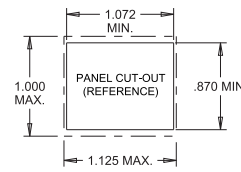
0.062" THICKNESS =
P/N 807038-1

0.031" THICKNESS =
P/N 807038-2

MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:

RANGE 0.025 - 0.105 OPTIONAL PANEL
GASKET RECOMMENDED
RANGE 0.105 - 0.187 WITHOUT GASKET



Panel Opening:	Min.	Typ.	Max.
Width	0.870	0.937	1.00
Length	1.072	1.099	1.125

K4-PB Panel Plug Assembled Plug

OPTIONAL PANEL GASKET:

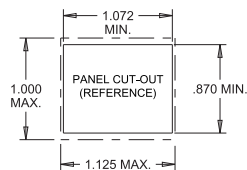
0.062" THICKNESS =
P/N 807038-1

0.031" THICKNESS =
P/N 807038-2

MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:

RANGE 0.025 - 0.105 OPTIONAL PANEL
GASKET RECOMMENDED
RANGE 0.105 - 0.187 WITHOUT GASKET



Panel Opening:	Min.	Typ.	Max.
Width	0.870	0.937	1.00
Length	1.072	1.099	1.125

K3-PB Panel Plug Assembled Plug

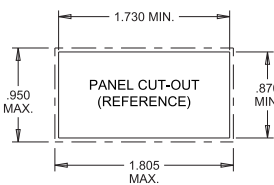
OPTIONAL PANEL GASKET:

P/N C807037

MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:

RANGE 0.025 - 0.105 OPTIONAL PANEL
GASKET RECOMMENDED
RANGE 0.102 - 0.187 WITHOUT GASKET



Panel Opening:	Min.	Typ.	Max.
Width	0.870	0.937	0.950
Length	1.730	1.768	1.805

K5-PA / R2-PA Panel Plug One Piece Molded

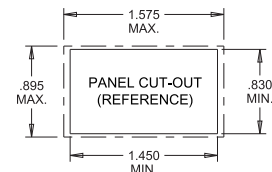
OPTIONAL PANEL GASKET:

P/N C807109

MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:

RANGE 0.025 - 0.105 OPTIONAL PANEL
GASKET RECOMMENDED
RANGE 0.105 - 0.187 WITHOUT GASKET



Panel Opening:	Min.	Typ.	Max.
Width	0.830	0.863	0.895
Length	1.450	1.513	1.575

PANEL PLUG PART NUMBER CODE

Series	Plug	Style	Plug Color ③	Button Insert ③
K1 ①	P	A. One Piece Molded	1. Red	1. Red*
K2 ②		B. Assembled Plug	2. Black	2. Black*
K3 ②			9. White	9. White*
K4 ②				Z. NONE**
K5 ①				
R2 ①				

*K3 series only.

**Molded plug only.

① Available in Style A only.

② Available in Style B only.

③ Additional colors available. Contact factory.

LED VOLTAGE/CURRENT RATINGS TABLE

ROCKER AND ROTARY SWITCH VOLTAGE/CURRENT RATINGS TABLES

K1, K2, K3P and K4 LIGHTING VOLTAGE/CURRENT COMPONENTS RATINGS

LIGHT SOURCE VOLTAGE CATEGORY	LIGHT SOURCE COLOR	FORWARD CURRENT	TYPICAL FORWARD/ NOMINAL VOLTAGE	MAX. FORWARD VOLTAGE
6 VDC INCANDESCENT	WHITE	.2 AMPS	6 VDC	8 VDC
12 VDC INCANDESCENT	WHITE	.08 AMPS	12 VDC	14 VDC
24 VDC INCANDESCENT	WHITE	.04 AMPS	24 VDC	28 VDC
125 VAC NEON	AMBER	1.9 mA	125 VAC	125 VAC
250 VAC NEON	AMBER	1.9 mA	250 VAC	250 VAC
2 V LED PRODUCTS*	RED	20 mA	1.9 VDC	2.5 VDC
	GREEN	20 mA	2.15 VDC	2.5 VDC
	AMBER	20 mA	1.95 VDC	2.5 VDC
	BLUE	20 mA	3.5 VDC	4.0 VDC
6 V LED PRODUCTS	SEE CHART	20 mA	6 VDC	8 VDC
12 V LED PRODUCTS	SEE CHART	20 mA	12 VDC	14 VDC
24 V LED PRODUCTS	SEE CHART	20 mA	24 VDC	28 VDC

K3/K5 LIGHTING VOLTAGE/CURRENT COMPONENTS RATINGS

LIGHT SOURCE VOLTAGE CATEGORY	LIGHT SOURCE COLOR	FORWARD CURRENT	TYPICAL FORWARD/ NOMINAL VOLTAGE	MAX. FORWARD VOLTAGE
6 VDC INCANDESCENT	WHITE	.2 AMPS	6 VDC	8 VDC
12 VDC INCANDESCENT	WHITE	.08 AMPS	12 VDC	14 VDC
24 VDC INCANDESCENT	WHITE	.04 AMPS	24 VDC	28 VDC
125 VAC NEON	AMBER	1.9 mA	125 VAC	125 VAC
250 VAC NEON	AMBER	1.9 mA	250 VAC	250 VAC
2 V LED PRODUCTS*	RED	20 mA	2.0 VDC	2.5 VDC
	GREEN	20 mA	2.2 VDC	2.6 VDC
	AMBER	20 mA	2.1 VDC	2.5 VDC
6 V LED PRODUCTS	SEE CHART	20 mA	6 VDC	8 VDC
12 V LED PRODUCTS	SEE CHART	20 mA	12 VDC	14 VDC
24 V LED PRODUCTS	SEE CHART	20 mA	24 VDC	28 VDC

R2 LIGHTING VOLTAGE/CURRENT COMPONENTS RATINGS

LIGHT SOURCE VOLTAGE CATEGORY	LIGHT SOURCE COLOR	FORWARD CURRENT	TYPICAL FORWARD/ NOMINAL VOLTAGE	MAX. FORWARD VOLTAGE
2 V LED PRODUCTS*	RED	20 mA	2.0 VDC	2.5 VDC
	GREEN	20 mA	2.2 VDC	2.6 VDC
	AMBER	20 mA	2.1 VDC	2.5 VDC
6 V LED PRODUCTS	SEE CHART	20 mA	6 VDC	8 VDC
12 V LED PRODUCTS	SEE CHART	20 mA	12 VDC	14 VDC
24 V LED PRODUCTS	SEE CHART	20 mA	24 VDC	28 VDC

*Intended for use with external resistor. The "2 volt" switches are intended to have a resistor added in series into the lighting circuit by the customer. To determine the approximate value of the resistor, use the equation below:

$$\text{RESISTOR SIZE} = \frac{\text{POWER SUPPLY VOLTAGE} - \text{LED FORWARD VOLTAGE}}{\text{LED FORWARD CURRENT}}$$

LED VOLTAGE/CURRENT RATINGS TABLE

ILLUMINATED PUSHBUTTON SWITCH & INDICATOR LIGHTS VOLTAGE/CURRENT RATINGS TABLES

LP3, LP5 AND LPL SERIES

LIGHTING VOLTAGE/CURRENT COMPONENTS RATINGS

LIGHT SOURCE VOLTAGE CATEGORY	LED COLOR	FORWARD CURRENT	TYP. FORWARD VOLTAGE (DC)	MAX. FORWARD VOLTAGE DC
2V* PRODUCTS	RED	20 mA	1.9V	2.5V
	GREEN	20 mA	2.2V	2.6V
	AMBER			
	BLUE	20 mA	3.3V	4V
	DEEP GREEN			
6V PRODUCTS	ALL COLORS	20 mA	6V	8V
12V PRODUCTS	ALL COLORS	20 mA	12V	14.5V
24V PRODUCTS	ALL COLORS	20 mA	24 V	28.6 V

LP3S

LIGHTING VOLTAGE/CURRENT COMPONENTS RATINGS

LIGHT SOURCE VOLTAGE CATEGORY	LED COLOR	FORWARD CURRENT	TYP. FORWARD VOLTAGE	MAX. FORWARD VOLTAGE
2V* PRODUCTS	RED	20 mA	2 V	2.5 V
	GREEN			
	AMBER			
	BLUE	20 mA	3.2 V	4 V
	DEEP GREEN			
	WHITE			
12V PRODUCTS	ALL COLORS	20 mA	12V	14V
24V PRODUCTS	ALL COLORS	20 mA	24 V	28.6 V

LP7-D and LP9 SERIES

LIGHTING VOLTAGE/CURRENT COMPONENTS RATINGS

LIGHT SOURCE VOLTAGE CATEGORY	LED COLOR, WAVELENGTH (nm)	FORWARD CURRENT	TYP. FORWARD VOLTAGE	MAX. FORWARD VOLTAGE
2V LIGHTPIPE STYLE	RED (631)	20 mA	2V	2.4V
	GREEN (525)	20 mA	3.2V	3.6V
	AMBER (591)	20 mA	2.1V	2.4V
	BLUE (470)	20 mA	3.3V	3.8V
	WHITE	5 mA	2.9V	3.15V
2V, TRANSLUCENT FULLY ILLUMINATED STYLE	RED (630)	20 mA	1.95V	2.5V
	GREEN (525)	20 mA	3.3V	4.1V
	AMBER (601)	20 mA	2.1V	2.5V
	BLUE (465)	20 mA	3.3V	4V
	WHITE	5 mA	2.85V	3.1V
12V ALL PRODUCTS	ALL COLORS, SAME AS 2V	(20 mA)	12.0V	14.0V

LP9L SERIES

LIGHTING VOLTAGE/CURRENT COMPONENTS RATINGS

LIGHT SOURCE VOLTAGE CATEGORY	LED COLOR, WAVELENGTH (nm)	FORWARD CURRENT	TYP. FORWARD VOLTAGE	MAX. FORWARD VOLTAGE
2V PRODUCTS	RED (631)	20 mA	2V	2.4V
	GREEN (525)	20 mA	3.2V	3.6V
	AMBER (591)	20 mA	2.1V	2.4V
	BLUE (470)	20 mA	3.3V	3.8V
	WHITE	5 mA	2.9V	3.15V
12V PRODUCTS	ALL COLORS, SAME AS 2V	(20 mA)	12.0V	14.0V

*Intended for use with external resistor. The "2 volt" switches are intended to have a resistor added in series into the lighting circuit by the customer. To determine the approximate value of the resistor, use the equation below:

$$\text{RESISTOR SIZE} = \frac{\text{POWER SUPPLY VOLTAGE} - \text{LED FORWARD VOLTAGE}}{\text{LED FORWARD CURRENT}}$$

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[K5DA111EAA-ZZR6R5991](#) [K5JA111PAA](#) [K5AA112FRJ-ZZR6R5BB1](#) [K5AB112BAA](#) [K5AB112FAA](#) [K5AB231ANB-4ZL6ZZ9Z2](#) [K5AB331AAA-ZZC3E4994](#) [K5AB331AAA-ZZT1T2994](#) [K5JA232BPD-2ZF2ZZ9Z4](#) [K5JA232BPH-2ZF2ZZ9Z4](#) [K500000010](#) [K5AA111CRD-ZZH1ZZBZ4](#) [K5AA112BRJ-ZZL5L4BB2](#) [K5AA112FPF-ZZR7R8BB4](#) [K5CB222AMJ-33E5B1991](#) [K5DB232BSB-2Z](#) [K5GA111EAA-ZZR6R5994](#) [K5GA221ESD-22R6R5994](#) [K5HA111EAA-ZZR3R4991](#) [K5HA111EAA-ZZR5R6994](#) [K5AB232AQB-3Z](#) [K5AB331GAA](#) [K5AB342GNE-Z1](#) [K5BB241BNF-44](#) [K5BB441ENJ-44](#) [K5CB222ABJ-22E5B1991](#) [K5AB221EPJ-22R6R5991](#) [K5AB221MPJ-22R6R5992](#) [K5AB222BPJ-22R3R4991](#) [K5AB222EPJ-22T1T2992](#) [K5AB222EPJ-22T4M9994](#) [K5AB222EPJ-22T4MA994](#) [K5AA211ASB-2Z](#) [K5AA212SSD-2Z](#) [K5AA311BNC-ZZZM2ZB4](#) [K5AA332GAA-ZZW2W1992](#) [K5AA332GNE-Z1](#) [K5AB141BNC-Z1](#) [K500000135-3](#) [K500000137](#) [K500000139](#) [K500000147](#) [K5AA111ESF-ZZR7R8BB1](#) [K500000087](#) [K500000133](#) [K500000134-1](#) [K500000134-2](#) [K500000134-3](#) [K500000135-1](#) [K500000047](#) [K500000056](#) [K500000084](#) [K5AA231ACD-2Z](#) [K5AA231CCD-1Z](#) [K5AA231CCD-2Z](#) [K5AA231ACD-1Z](#) [K5GA111EAAZZR6R5994](#)