

The industry's smallest sealed, logic level rocker offering a 1M cycle life in a short, behind panel, snap-in package. Available in both single and double pole configurations, with maintained or momentary action, in either two or three positions. In addition the K1S is available as a true ON-ON-ON rocker that is perfect for use as a Forward-Neutral-Reverse (FNR) switch. The double pole version offers redundancy for each switch state providing increased safety. Termination options include a Molex connector or wire leads.

Features:

-
- Standard Rocker Top View
- Larger Rocker with FNR Legend
- Standard Rocker Side Front View
- Optional Rubber Boots in Clear and Black
- Standard Rocker Side Front View

LARGE ROCKER VERSION
"F N R" LEGEND SHOWN

STANDARD ROCKER

Technical drawings of the IP68S Panel Seal with optional rubber boot. The drawings show three views: a front view, a top view, and a side view. The front view shows a rectangular panel with a gasket and two long mounting screws. The top view shows the panel with a rubber boot and a label 'OTTO'. The side view shows the panel with a rubber boot and a label 'OTTO'. Dimensions are provided in inches and millimeters.

Panel Gasket

18.00±.50
[457.2±12.7]

25±.13
[6.4±3.1]

STRIPPED & TINNED

1.31
[33.3]

41
[10.3]

70
[17.8]

IP68S PANEL SEAL WITH
OPTIONAL RUBBER BOOT

SNAP-IN PANEL MOUNTING, MOMENTARY OR MAINTAINED ACTION, 1 AND 2 POLES

K1S PART NUMBER CODE

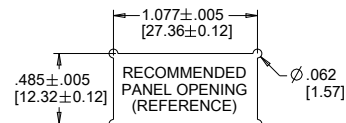
Part Number Code Continues Below

K1S	X	X	X	XX	XX	XX
Connection Style	Rocker Color/Style	Switch Action / Circuit	Legend Style	Position "A"	Position "B"	Position "C"
A. 6 PIN Connector ①*	A. Red Rocker	Position Position Position Circuit	ZZ. No Legend	ZZ. No Legend	ZZ. No Legend	ZZ. No Legend
B. 8 PIN Connector ②	B. Black Rocker	"A" "B" "C"				
E. 18" Wires 26 AWG ③	C. White Rocker	A. ON NONE OFF SPST				
G. 18" Wires 24 AWG ③	D. Large Red Rocker ④	B. ON NONE ON SPDT				
	E. Large Black Rocker ④	C. (ON) NONE OFF SPST				
	F. Large White Rocker ④	D. (ON) NONE ON SPDT				
	G. Yellow Rocker	E. ON OFF ON SPDT				
	H. Large Yellow Rocker ④	F. (ON) OFF (ON) SPDT				
	J. Large Black Rocker with Embossed FNR (White) ④⑤⑥	G. (ON) OFF ON SPDT				
	K. Large Yellow Rocker with Embossed FNR (Black) ④⑤⑥	H. ON ON ON SPTT				
	M. Red Rocker with Translucent Boot	J. ON NONE OFF DPST				
	N. Black Rocker with Black Boot ⑤⑦	K. ON NONE ON DPDT				
	P. Black Rocker with Translucent Boot	L. (ON) NONE OFF DPST				
	T. White Rocker with Translucent Boot	M. (ON) NONE ON DPDT				
	V. Yellow Rocker with Translucent Boot	N. ON OFF ON DPDT				
	W. Large Orange Rocker with Embossed FNR (Black) ④⑤⑥	P. (ON) OFF (ON) DPDT				
		R. (ON) OFF ON DPDT				
		T. ON ON ON DPTT				
		U. (ON) ON (ON) SPTT				
		V. (ON) ON (ON) DPTT				
		NOTE: () denotes momentary action				

GASKET PART NUMBER (INCLUDED)
C807039-25-1**PANEL THICKNESS AND MOUNTING OPENING GUIDELINES③**

PANEL THICKNESS: .086±.003 [2.18±0.08]
RECOMMENDED PANEL THICKNESS REQUIRES EITHER THE PANEL GASKET OR THE OPTIONAL RUBBER BOOT FOR PROPER FITMENT.

PANEL OPENING:



K1S PART NUMBER CODE - Continued From Above

XXX	X
Legend Color**	Legend Orientation
Position A / B / C	POSITION "A" POSITION "C"
1. Red	1. Std. < A B C
2. Black	2. 90° < B A C
9. White	3. 180° < A C B
Z. No Legend	4. 270° < A B C
	Z. NO ORIENTATION

① Mating Connector: MOLEX 51021-0600

② Mating Connector: MOLEX 51021-0800

③ Unless otherwise specified, all dimensions are in inch [metric]. In the event of a conflict, the inch nominal value and tolerance will take precedence.

④ Rubber boot not available

⑤ Legend is not available. Legend Style is ZZ and Legend Color is Z

⑥ Legend Orientation is 4

⑦ Legend Orientation is Z

* 6 PIN Connector only available with A, B, C, D, J, K, L, M

** Legend color cannot be same color as button color (i.e. Red Button color cannot have Red Legend color)

OPTIONAL BOOT PART NUMBER

C405810-25-12 (Translucent)

C405810-25-2 (Black)

STANDARD LEGENDS PER SAE SPECIFICATIONS					
A1	ANCHOR	H2	HORN REAR	P4	BILGE PUMP
B1	BATTERY	K1	LOCK	P5	BILGE BLOWER
B2	ELECTRIC POWER	K2	UNLOCK	R1	LIFT
C1	AC/COOLING SYSTEMS	L1	LIGHT	R2	LOWER
C2	DEHUMIDIFIER	L2	MASTER LIGHTING SWITCH	R3	UP
C3	HEATER/INTERIOR HEATING	L3	HEADLIGHTS	R4	DOWN
D1	WINDSHIELD DEFROSTER	L4	HEADLIGHTS-LOW / DIPPED BEAM	R5	RIGHT
D2	REAR WINDOW DEFROSTER	L5	HEADLIGHTS-HIGH / UPPER BEAM	R6	LEFT
D3	MIRROR DEFROSTER	L6	PARKING LIGHT	R7	FWD FORWARD
E1	ENGINE/START	L7	WORK LAMP	R8	REV REVERSE
E2	ENGINE/STOP	L8	WORK LAMP	S1	RADIO
E3	ON/START	L9	INTERIOR DOME LIGHT	S2	MUTE
E4	OFF/STOP	M1	BEACON	T1	FAST
E5	ON	M2	HAZARD/POSITION LIGHTS	T2	SLOW
E6	OFF	M3	CLEARANCE LIGHTS	T3	TRIM TAB / TRIMMING OPERATION
E7	ENGINE ELECTRIC PREHEAT	M4	SIDE MARKER LIGHT	T4	TRANSMISSION
E8	ENGINE-GAS INJECTION	M5	RUNNING LIGHTS (UNDER POWER)	V1	VENTILATING / AC FAN
E9	POWER	M6	ANCHOR LIGHT	W1	WINDSHIELD WIPER
F1	FRONT FOG LIGHTS	M7	RUNNING/ANCHOR LIGHTS	W2	WINDSHIELD-WASHER
F2	REAR FOG LIGHTS	M8	SEARCH LIGHT	W3	WINDSHIELD-WASHER/WIPER
F3	FORWARD	M9	LEFT TURN SIGNAL	W4	REAR WINDOW WIPER
F4	NEUTRAL	MA	RIGHT TURN SIGNAL	W5	REAR WINDOW-WASHER
F5	REVERSE	P1	BILGE PUMP #1	W6	REAR WINDOW-WASHER/WIPER
G1	FUEL	P2	BILGE PUMP #2	ZZ	NO LEGEND
H1	HORN	P3	BILGE PUMP #3		

HIGH CYCLE LIFE, SEALED ROCKER SWITCHES

K1S
SNAP-IN
ROCKERS

SNAP-IN PANEL MOUNTING, MOMENTARY OR MAINTAINED ACTION, 1 AND 2 POLES

WIRED CIRCUIT DIAGRAM

K1S E _ A _ _ _ _	K1S E _ B _ _ _ _	K1S E _ C _ _ _ _	K1S E _ D _ _ _ _
SPST - ON-NONE-OFF WIRED SCHEMATIC	SPDT - ON-NONE-ON WIRED SCHEMATIC	SPST - (ON)-NONE-OFF WIRED SCHEMATIC	SPDT - (ON)-NONE-ON SCHEMATIC
K1S E _ E _ _ _ _	K1S E _ F _ _ _ _	K1S E _ G _ _ _ _	K1S E _ H _ _ _ _
SPDT - ON-OFF-ON WIRED SCHEMATIC	SPDT - (ON)-OFF-(ON) WIRED SCHEMATIC	SPDT - (ON)-OFF-ON WIRED SCHEMATIC	SPTT - ON-ON-ON WIRED SCHEMATIC
K1S E _ U _ _ _ _	K1S E _ J _ _ _ _	K1S E _ K _ _ _ _	K1S E _ L _ _ _ _
SPTT - (ON)-ON-(ON) WIRED SCHEMATIC	DPST - ON-NONE-OFF WIRED SCHEMATIC	DPDT - ON-NONE-ON WIRED SCHEMATIC	DPST - (ON)-NONE-OFF WIRED SCHEMATIC
K1S E _ M _ _ _ _	K1S E _ N _ _ _ _	K1S E _ P _ _ _ _	K1S E _ R _ _ _ _
DPDT - (ON)-NONE-ON WIRED SCHEMATIC	DPDT - ON-OFF-ON WIRED SCHEMATIC	DPDT - (ON)-OFF-(ON) WIRED SCHEMATIC	DPDT - (ON)-OFF-ON WIRED SCHEMATIC
K1S E _ T _ _ _ _	K1S E _ V _ _ _ _		
DPTT - ON-ON-ON WIRED SCHEMATIC	DPTT - (ON)-ON-(ON) WIRED SCHEMATIC		

SNAP-IN PANEL MOUNTING, MOMENTARY OR MAINTAINED ACTION, 1 AND 2 POLES

CONNECTOR CIRCUIT DIAGRAM

K1S B _ A _ _ _ _	K1S B _ B _ _ _ _	K1S B _ C _ _ _ _	K1S B _ D _ _ _ _
SPST - ON-NONE-OFF SCHEMATIC	SPDT - ON-NONE-ON SCHEMATIC	SPST - (ON)-NONE-OFF SCHEMATIC	SPDT - (ON)-NONE-ON SCHEMATIC
K1S B _ E _ _ _ _	K1S B _ F _ _ _ _	K1S B _ G _ _ _ _	K1S B _ H _ _ _ _
SPDT - ON-OFF-ON SCHEMATIC	SPDT - (ON)-OFF-(ON) SCHEMATIC	SPDT - (ON)-OFF-ON SCHEMATIC	SPDT - ON-ON-ON SCHEMATIC
K1S B _ U _ _ _ _	K1S B _ J _ _ _ _	K1S B _ K _ _ _ _	K1S B _ L _ _ _ _
SPDT - ON-ON-ON SCHEMATIC	DPST - ON-NONE-OFF SCHEMATIC	DPDT - ON-NONE-ON SCHEMATIC	DPST - (ON)-NONE-OFF SCHEMATIC
K1S B _ M _ _ _ _	K1S B _ N _ _ _ _	K1S B _ P _ _ _ _	K1S B _ R _ _ _ _
DPDT - (ON)-NONE-ON SCHEMATIC	DPDT - ON-OFF-ON SCHEMATIC	DPDT - (ON)-OFF-(ON) SCHEMATIC	DPDT - (ON)-OFF-ON SCHEMATIC
K1S B _ T _ _ _ _	K1S B _ V _ _ _ _		
DPDT - ON-ON-ON SCHEMATIC	DPDT - (ON)-ON-(ON) SCHEMATIC		

Mouser Electronics

Authorized Distributor

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[OTTO:](#)

<u>K1SEBHF3F4F59994</u>	<u>K1SEBHZZZZZZZZZZ</u>	<u>K1SEBTF3F4F59994</u>	<u>K1SEJTZZZZZZZZZZ</u>	<u>K1SEKHZZZZZZZZZZ</u>
<u>K1SEKTZZZZZZZZZZ</u>	<u>K1SABHF3F4F59994</u>	<u>K1SBAFZZZZZZZZZZ</u>	<u>K1SABFZZZZZZZZZZ</u>	<u>K1SEBBZZZZZZZZZZ</u>
<u>K1SEEHT1ZZT29Z94</u>	<u>K1SBGTF3F4F52224</u>	<u>K1SBJTZZZZZZZZZZ</u>	<u>K1SBBHF3F4F59994</u>	<u>K1SEJHZZZZZZZZZZ</u>
<u>K1SBBHZZZZZZZZZZ</u>	<u>K1SEKTZZZZZZZZZZ4</u>	<u>K1SEBHF3F4F51114</u>	<u>K1SBAHF3F4F59994</u>	<u>K1SBKTF3F4F52224</u>
<u>K1SEBPZZZZZZZZZZ</u>	<u>K1SEBFZZZZZZZZZZ</u>	<u>K1SBBTZZZZZZZZZZ</u>	<u>K1SEWHZZZZZZZZZZ</u>	<u>K1SBBHM9ZZMA9Z91</u>
<u>K1SEKHZZZZZZZZZZ4</u>	<u>K1SEMKZZZZZZZZZZ</u>	<u>K1SEEHF3F4F59994</u>	<u>K1SBEAZZZZZZZZZZ</u>	<u>K1SGEFZZZZZZZZZZ</u>
<u>K1SGNFZZZZZZZZZZ</u>	<u>K1SBBEZZZZZZZZZZ</u>	<u>K1SEGHF3F4F52224</u>	<u>K1SBKTZZZZZZZZZZ</u>	<u>K1SGGTF3F4F52224</u>
<u>K1SBEVZZZZZZZZZZ</u>	<u>K1SBBFZZZZZZZZZZ</u>	<u>K1SGBTZZZZZZZZZZ</u>	<u>K1SGBVZZZZZZZZZZ</u>	<u>K1SBEPZZZZZZZZZZ</u>
<u>K1SBEUZZZZZZZZZZ</u>	<u>K1SBEHZZZZZZZZZZ</u>	<u>K1SEEP1ZZR29Z94</u>	<u>K1SEBEZZZZZZZZZZ</u>	<u>K1SEERZZZZZZZZZZ</u>
<u>K1SGEVZZZZZZZZZZ</u>	<u>K1SEHEF3F4F59994</u>	<u>K1SGWTZZZZZZZZZZ</u>	<u>K1SEEMR3ZZZZ9ZZ4</u>	<u>K1SEBEF3F4F59994</u>
<u>K1SGWEZZZZZZZZZZ</u>	<u>K1SCAKZZZZZZZZZZ</u>	<u>K1SAMMZZZZZZZZZZ</u>	<u>K1SBJEZZZZZZZZZZ</u>	<u>K1SBNVZZZZZZZZZZ</u>
<u>K1SBBEF3F4F59994</u>	<u>K1SCAMZZZZZZZZZZ</u>	<u>K1SEMMZZZZZZZZZZ</u>	<u>K1SAMKZZZZZZZZZZ</u>	<u>K1SGEVR3ZZR49Z94</u>
<u>K1SGETZZZZZZZZZZ</u>				