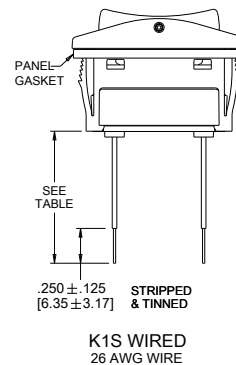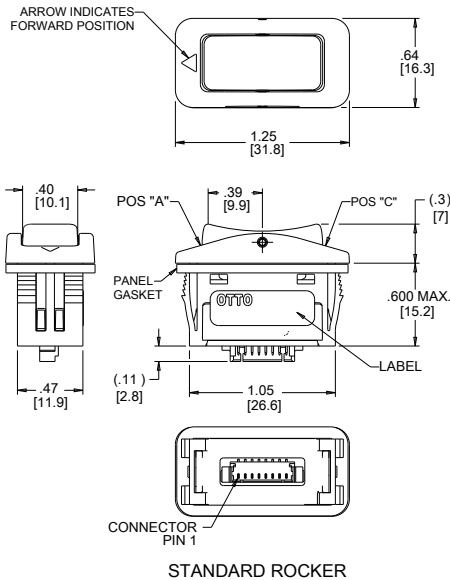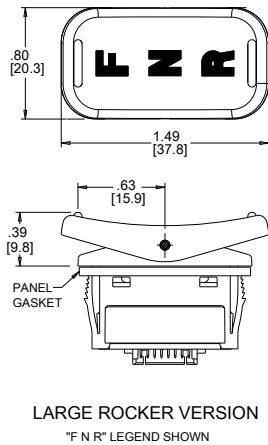# Shorter Behind Panel, Sealed ON-ON-ON Rockers

The industry's smallest ON-ON-ON triple throw rocker switch is a sealed, logic level rocker offering 1M cycle life in a short, snap-in package. Available in both single and double pole configurations with maintained action, this ON-ON-ON rocker 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.

The K1S contact system is sealed to IP68S and uses a flow-thru design. With an optional boot, the switch is panel sealed to IP68S. The rugged K1S is shorter behind panel than OTTO's K1 rocker series, making it an ideal choice for use in grips and panels. The K1S also consists of two rocker button style/size options for best user comfort. Only one panel opening size is required, regardless of button size. Choose from a set of 73 standard legend choices which are offered with both normal and large-size rocker top styles, or add a custom logo, lettering or legend.
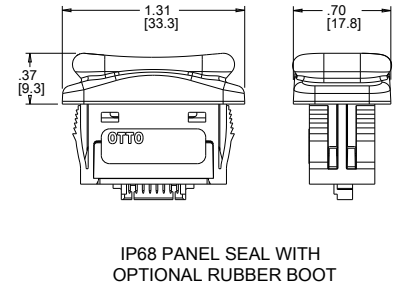
Key Features:

- Shorter behind panel depth
- High cycle life, 1,000,000 cycles
- Maintained action
- Single or double pole, ON-ON-ON triple throw switch
- Fits industry standard panel openings
- Switch contacts sealed to IP68S (panel sealed to IP68S with optional rubber boot for standard rocker only)
- Logic level only
- 2 sizes of rocker styles, standard and large
- 2 termination types, connector and wire leads
- Choose from 73 standard legends per SAE or create your own
- RoHS compliant

Standard Rocker with Optional FNR Legend

Standard Rocker Side Front View

Standard Rocker Top View

Standard Rocker Top Side View

Large Yellow Rocker with FNR Legend

Large Black Rocker Side Front View

Large Black Rocker Side View

Two K1S Rocker Switches and a P9 Pushbutton Switch in a G3-C Grip with a Custom Faceplate Style

Two K1S Rocker Switches in a G3-A Grip with an AJ Faceplate Style

Optional Rubber Boots in Clear and Black

K1S DRAWINGS

ARROW INDICATES FORWARD POSITION

.80 [20.3]
1.49 [37.8]
.64 [16.3]
1.25 [31.8]

LARGE ROCKER VERSION
"F N R" LEGEND SHOWN

.63 [15.9]
.39 [9.8]
PANEL GASKET

.40 [10.1]
.47 [11.9]
(.11) [2.8]
POS "A"
.39 [9.9]
POS "C"
(.3) [7]
PANEL GASKET
.600 MAX. [15.2]
LABEL
1.05 [26.6]

CONNECTOR PIN 1
STANDARD ROCKER

PANEL GASKET
SEE TABLE
.250 ±.125 [6.35 ±3.17]
STRIPPED & TINNED
K1S WIRED
26 AWG WIRE

1.31 [33.3]
.70 [17.8]
.37 [9.3]
IP68 PANEL SEAL WITH OPTIONAL RUBBER BOOT

K1S PART NUMBER CODE

Part Number Code Continues Below

K1S — X — X — X — XX — XX — XX

Connection Style
A. 6 PIN Connector①
B. 8 PIN Connector②
E. 18" Wires [457]③

Rocker Color/Style
A. Red Rocker
B. Black Rocker
C. White Rocker
D. Large Red Rocker④
E. Large Black Rocker④
F. Large White Rocker④
G. Yellow Rocker
H. Large Yellow Rocker④
J. Large Yellow Rocker with FNR Legend (Black)
K. Large Black Rocker with FNR Legend (White)

Switch Action / Circuit

	Position "A"	Position "B"	Position "C"	Circuit
H.	ON	ON	ON	SPTT
T.	ON	ON	ON	DPTT

Legend Style
Position "A"
ZZ. No Legend

Position "B"
ZZ. No Legend

Position "C"
ZZ. No Legend

NOTE: For all other Legend Options, refer to Standard Legend Table below. Find the two digit code and enter the code in the appropriate positions

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

* Legend color cannot be same color as button color (i.e. Red Button color cannot have Red Legend color)
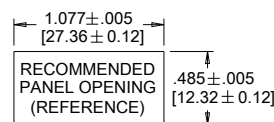
K1S PART NUMBER CODE - Continued From Above

XXX — X

Legend Color*
Position A / B / C
1. Red
2. Black
9. White
Z. No Legend

Legend Orientation

	POSITION "A"	POSITION "C"
1. Std.	A B C	
2. 90°		
3. 180°		
4. 270°		
Z.	NO ORIENTATION	

PANEL THICKNESS AND MOUNTING OPENING GUIDELINES③

PANEL THICKNESS: .086 ± .003 [2.18 ± 0.08]

PANEL OPENING:

1.077 ± .005 [27.36 ± 0.12]
RECOMMENDED PANEL OPENING (REFERENCE)
.485 ± .005 [12.32 ± 0.12]

GASKET INCLUDED

OPTIONAL BOOT PART NUMBER

C405810-25-12 (Translucent)
C405810-25-2 (Black)