



DS Series Interlock Pushbutton Switches

NEW!

Features/Benefits

- Snap-in mounting
- Reliable snap action mechanism
- Latch or momentary
- RoHS compliant
- Halogen free material

Typical Applications

- Interlock switch
- Detection switch
- Circuit interrupt



ENEC UL 61058-1



UL file # E247379

Specifications

FUNCTION: Single pole double throw / Double pole double throw
MOUNTING TYPE: Snap in style

Electrical

ELECTRICAL LIFE: see ratings chart below
DIELECTRIC STRENGTH: 1500 V (50-60 Hz @ sea level)
INSULATION RESISTANCE: 100 M Ω min.
INITIAL CONTACT RESISTANCE: 30 milli-ohms

Materials

HOUSING, COVER, ACTUATOR, KNOB: PA 66/6 halogen free, color white
NO & NC FIXED TERMINALS: Copper alloy
COMMON TERMINALS: Copper alloy, silver plate
CONTACTS: Silver alloy / F5 rating gold plated over silver alloy
RETURN SPRINGS: Stainless steel

Operating Environment

OPERATING TEMPERATURE: -40°C to +85°C

NOTE: Specifications and materials listed above are for switches with standard options.
For information on specific and custom switches, please contact Customer Service.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box.

Designation	DS	Number of Poles	Rating	Terminals	Actuator Style	Extended Electrical Life
DS	DS Series	1 SPDT 2 DPDT	F5 0.1 (0.05)A @ 125/250 V AC 50/60 Hz 50E3 0.1A G.P. @ 125/250 V AC 50/60 Hz 10E3 D6 10 (4)A @125/250 V AC 50/60 Hz 50E3 10A G.P. @ 125 / 250 V AC 1/3HP @ 125/250 V AC 50/60 Hz 10E3	Q1 4.8 x 0.5 Q2 4.8 x 0.8 Q3 6.3 x 0.8	A Momentary, Short button B Momentary, Long button C Momentary/Pulled out button	U 100,000 cycles contact Customer Service available in F5 rating only

International Rating Symbols

10E3	Cycles 10,000
50E3	Cycles 50,000
10(4)	Current rating: First number represents resistive rating. Second number represents inductive (motor) rating
GP	General purpose rating UL1054



Dimensions are shown: mm
Specifications and dimensions subject to change

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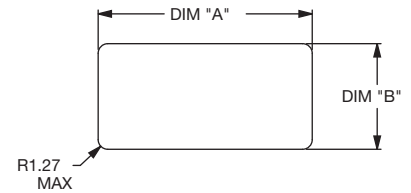
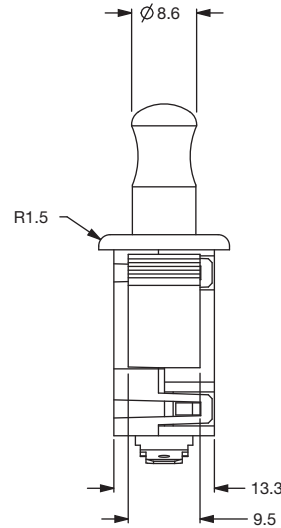
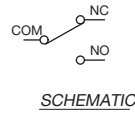
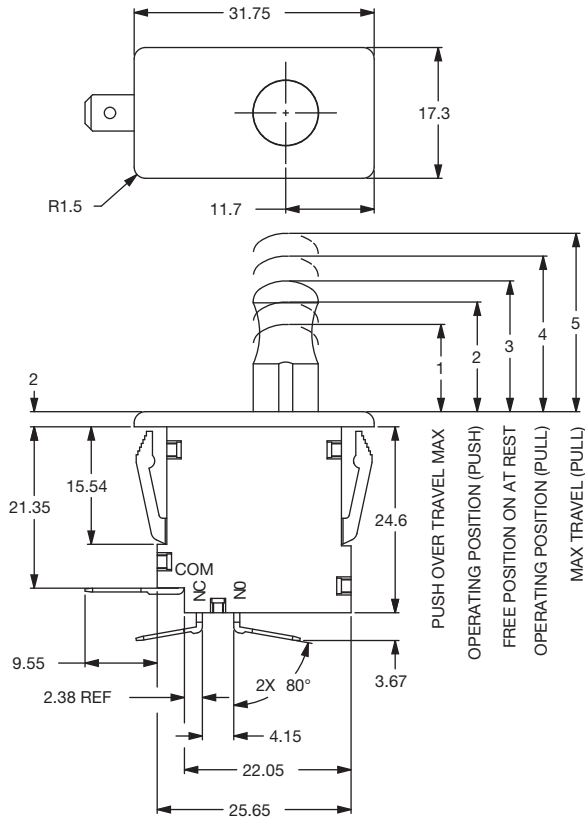


A

Pushbutton

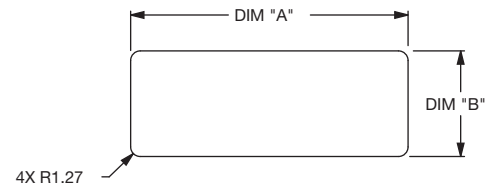
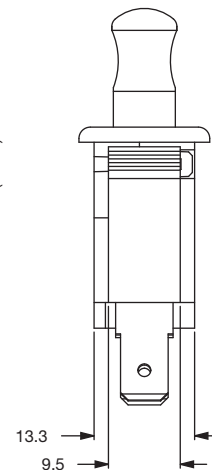
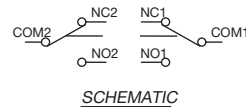
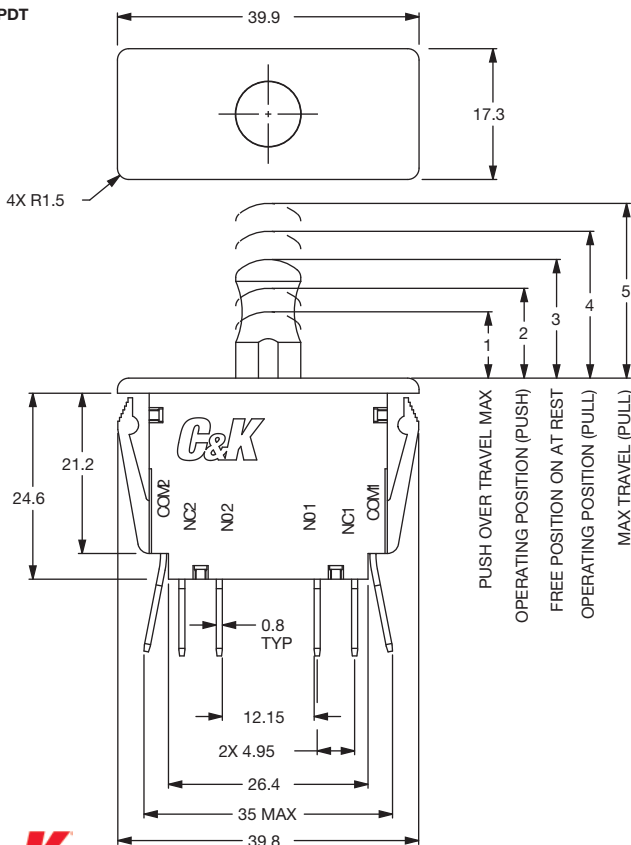
NUMBER OF POLES

1 SPDT



PANEL MOUNTING		
PANEL THICKNESS	DIM "A" mm	DIM "B" mm
1.14	28.32	13.97
2.54	28.58	13.97

2 DPDT



PANEL MOUNTING		
PANEL THICKNESS	DIM "A" mm	DIM "B" mm
1.14	36.70	13.97
2.54	36.96	13.97

C&K

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A

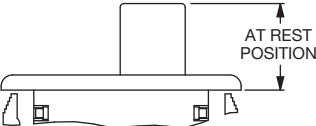
ACTUATOR STYLE / SPECIFICATIONS

Pushbutton

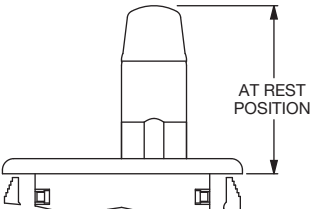
A SHORT BUTTON

B LONG BUTTON

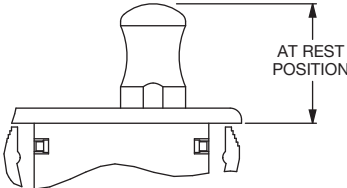
C MOMENTARY/PULLED OUT



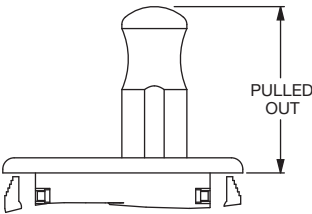
SHORT BUTTON



LONG BUTTON



FREE POSITION



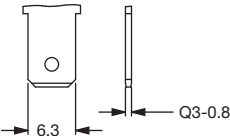
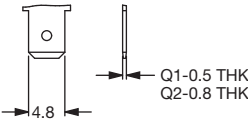
PULLED OUT POSITION

BUTTON STYLE	1 PUSH OVER TRAVEL MAX.	2 OPERATING POSITION	3 FREE POSITION AT REST	4 OPERATING POSITION PULL	5 OVER TRAVEL POSITION PULL MAX	OPERATING FORCE	
A	3.20	8.90 ± 1.25	11.45 ± 0.75	NA	NA	425 gf	
B	10.15	19.55 ± 1.25	22.25 ± 0.75	NA	NA	425 gf	
C	13.20	16.75 ± 1.25	19.30 ± 0.75	21.60 ± 1.25	24.90	PUSH 385gf	PULL 475gf

TERMINALS

Q1 4.8 x 0.5
Q2 4.8 x 0.8

Q3 6.3 x 0.8



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Mouser Electronics

Authorized Distributor

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

C&K Components:

<u>DS1F5AQ1</u>	<u>DS2F5AQ3</u>	<u>DS1F5BQ1</u>	<u>DS2D6BQ2</u>	<u>DS2F5CQ1</u>	<u>DS1D6AQ1</u>	<u>DS2D6AQ2</u>	<u>DS2F5BQ1</u>	<u>DS1F5CQ2</u>
<u>DS1D6AQ3</u>	<u>DS2F5BQ3</u>	<u>DS2D6CQ3</u>	<u>DS1F5BQ2</u>	<u>DS1D6AQ2</u>	<u>DS2F5CQ2</u>	<u>DS1F5AQ2</u>	<u>DS1D6BQ2</u>	<u>DS2D6AQ3</u>
<u>DS1F5CQ3</u>	<u>DS2D6BQ3</u>	<u>DS1D6BQ1</u>	<u>DS2D6CQ2</u>	<u>DS1D6CQ1</u>	<u>DS1D6BQ3</u>	<u>DS2D6CQ1</u>	<u>DS1D6CQ3</u>	<u>DS1F5BQ3</u>
<u>DS2D6AQ1</u>	<u>DS2D6BQ1</u>	<u>DS2F5AQ1</u>	<u>DS1D6CQ2</u>	<u>DS2F5CQ3</u>	<u>DS2F5AQ2</u>	<u>DS1F5CQ1</u>	<u>DS1F5AQ3</u>	<u>DS2F5BQ2</u>