



A

Pushbutton

Features/Benefits

- IP68 sealed to endure harsh environments
- 1,000,000 life cycle
- Longer solder leads for ease of wire installation
- Multiple housing styles
- Up to 5A resistive load
- Wirelead options available
- RoHS compliant

Typical Applications

- Control Grips
- Off-Road Panels
- Heavy Equipment
- Industrial Instruments
- Lifts
- Conveyor Controls

**Specifications**

FUNCTION: SPST, SPDT Double Break (Form Z) Momentary
CONTACT ARRANGEMENT: N.O. and N.C.
MOUNTING TYPE: Threaded front mount
TORQUE SPEC FOR THREADED BODY: Do not exceed 50 in-lbs (5.65 N-m)

DIELECTRIC STRENGTH: 1000 V AC for 1 min.

INSULATION RESISTANCE: 1 G Ω @ 500 VDC

INITIAL CONTACT RESISTANCE 50 m Ω max (without wire leads)

BOUNCE TIME: <5 ms

Mechanical

OPERATING LIFE: 1,000,000 cycles

TOTAL TRAVEL: 1.6 $\pm$ 0.15 mm

OPERATING POINT 0.9 $\pm$ 0.25 mm

OVER TRAVEL: 0.45 min.

OPERATING FORCE: 8N $\pm$ 1.5N

VIBRATION: 10-500 Hz 10g Max

SHOCK: 50g 11ms sawtooth wave

Materials

HOUSING: PBT/PC

BASE: PBT

CAP: PBT

ACTUATOR: PBT

INTERNAL SEAL: Silicone rubber

TERMINALS: Copper with silver nickel inlay, silver plating

MOVABLE CONTACT: Copper alloy, gold over silver plating

TERMINAL SEAL: Epoxy

Electrical

CONTACT RATING:

Option "Q" Silver

1A/32 VDC resistive (100,000 cycles)

5A/32 VDC resistive (25,000 cycles)

3A/32 VDC resistive (25,000 cycles)

Option "G" Gold over Silver

10mA/5 VDC resistive (1,000,000 cycles)

Operating Environment

OPERATING TEMPERATURE: -40°C to +85°C

ESD PROTECTION: 15KV min.

Process Environment

SEALING: IP68

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		Operating Force		Actuator Style		Actuator Color *		Housing Style		Housing Color		Terminal Seal		Contact Material		Termination		Circuit	
PNP PNP Series		8 8 Newtons		S Standard E Extended (D housing style only)		2 Black (STD) 3 Red 5 Yellow		T Standard threaded mount D Dome bezel		2 Black (STD)		E Epoxy All models are epoxy sealed		Q Silver (STD) G Gold over silver		02 PC Pin (G contact material) 03 Solder Lug (STD) W2 2 x 12" 22 AWG UL1569 wire (overmolded) W3 3 x 12" 22 AWG UL1569 wire (overmolded) W4 4 x 12" 22 AWG UL1569 wire (overmolded)		C SPDT W SPST NC Y SPST NO	

* Additional colors available, please contact Customer Service



5 dec 16



Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

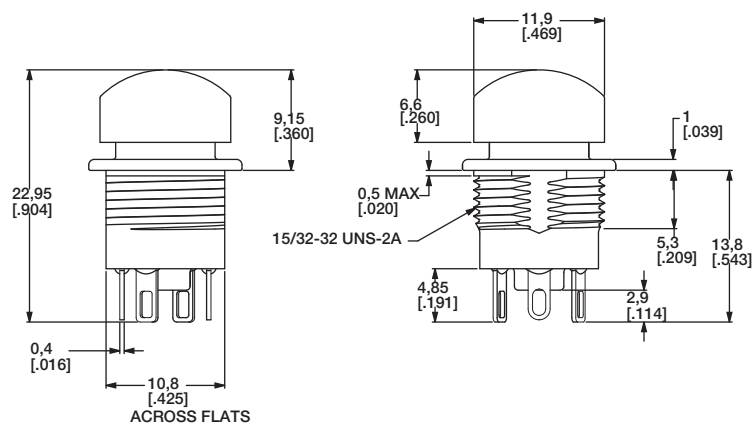
www.ck-components.com



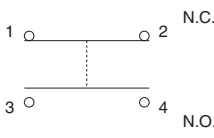
PNP Series
Sealed Pushbutton Switch

A
Pushbutton

STANDARD VIEW



ELECTRICAL SCHEMATIC



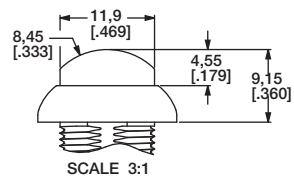
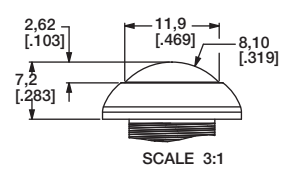
OPERATING FORCE

OPTION CODE	OPERATING FORCE
8	8 N

ACTUATOR STYLE

S STANDARD

E EXTENDED (D HOUSING STYLE ONLY)



ACTUATOR COLOR

OPTION CODE	ACTUATOR COLOR
2	Black
3	Red
5	Yellow

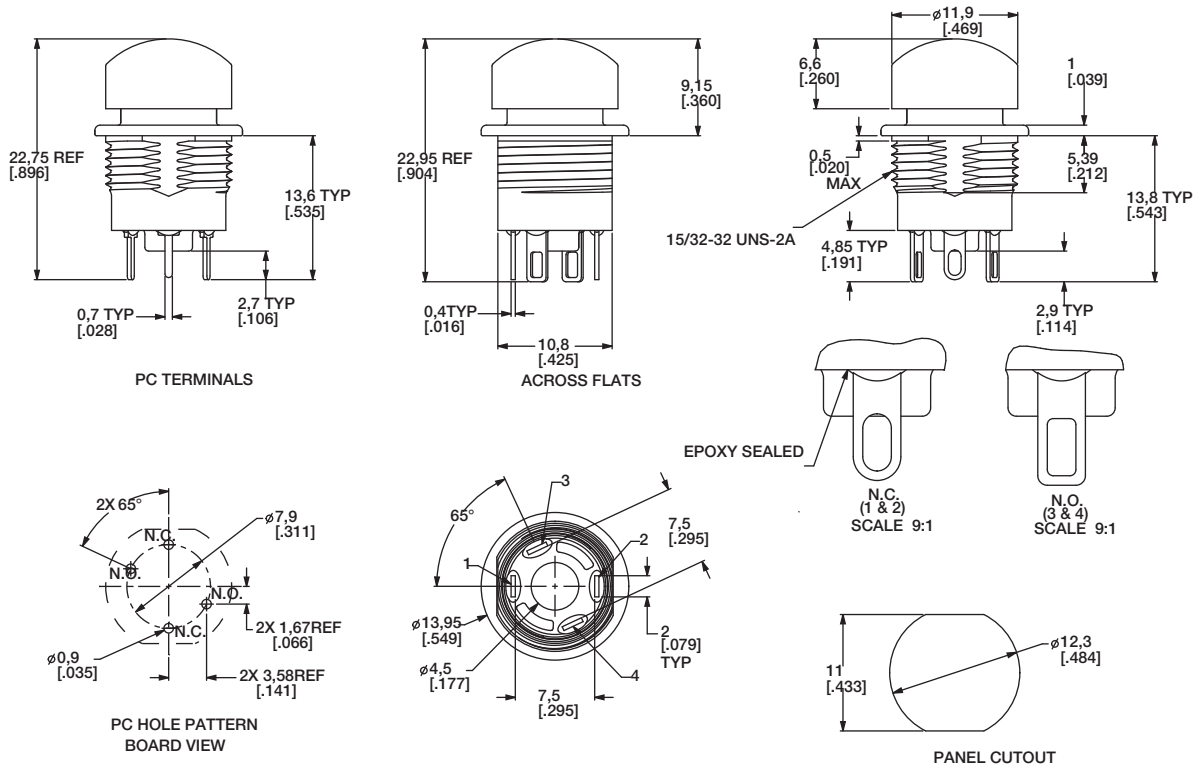


A

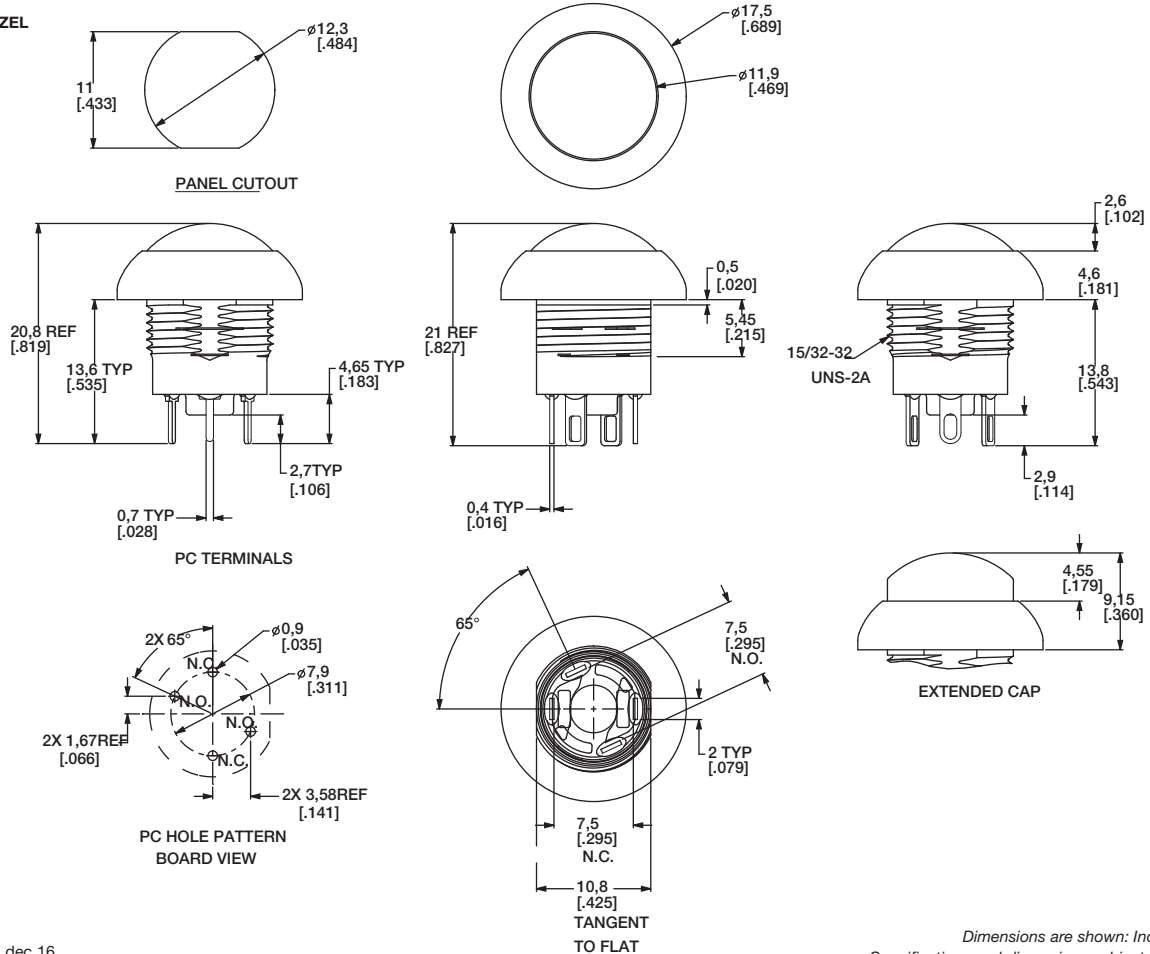
Pushbutton

HOUSING STYLE

T STANDARD THREADED MOUNT



D DOME BEZEL





PNP Series Sealed Pushbutton Switch

Preliminary
Datasheet

Pushbutton
A

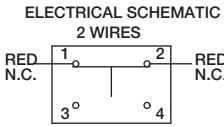
HOUSING COLOR

OPTION CODE	COLOR
2	Black (STD)

CIRCUIT

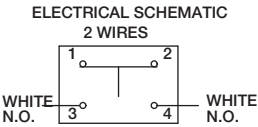
W

SPST NC



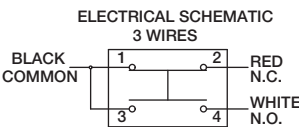
Y

SPST NO



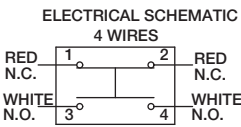
C

SPDT



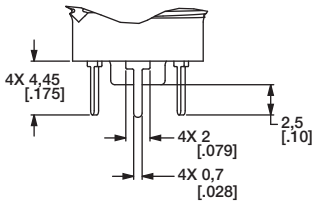
C

SPDT

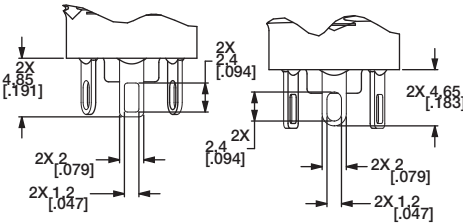


TERMINATION

02 PC PIN



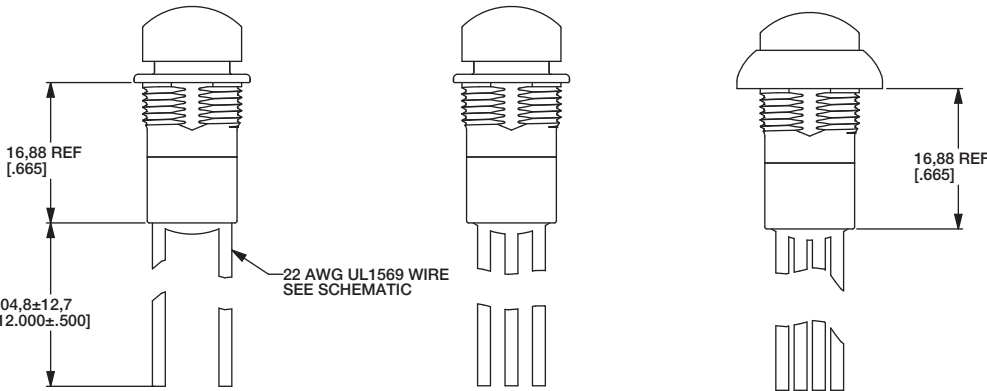
03 SOLDER LUG (STD)



W2 2 x 12" 22 AWG UL1569 wire (overmolded)

W3 3 x 12" 22 AWG UL1569 wire (overmolded)

W4 4 x 12" 22 AWG UL1569 wire (overmolded)



5 dec 16

Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change



A

Pushbutton

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL
Q	Silver (STD)
G	Gold over silver

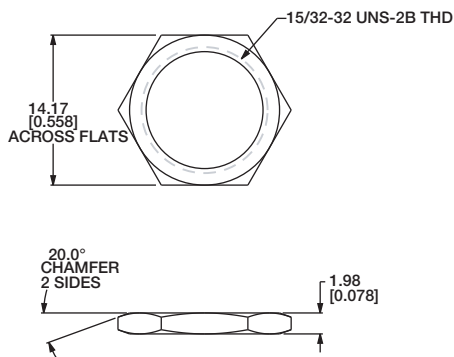
TERMINAL SEAL

E EPOXY

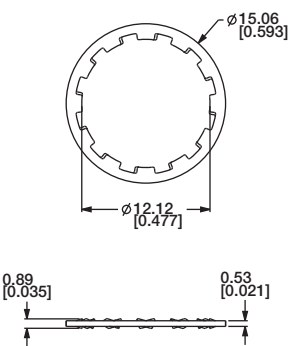
All models are epoxy sealed

HARDWARE

HEX NUT
707100201 Nickel-plated



LOCKWASHER
700302202



PANEL GASKET
851D02000

