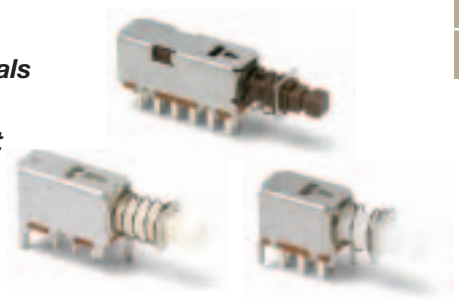
PN Series
Alternate & Momentary Action Pushbutton Switches

Features/Benefits

- *Momentary or locking action*
- *3 actuation forces for customized feel*
- *Low cost, reliable contact design*
- *1-4 poles available*
- *RoHS compliant*

Typical Applications

- *Computers and peripherals*
- *Instrumentation and measurement equipment*
- *Non-power, on-off switch applications*



Specifications

CONTACT RATING: 0.2 AMP @ 30 V DC max.

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

MECHANICAL LIFE: 10,000 on/off cycles.

CONTACT RESISTANCE: 50 mΩ max. initial, 100 milliohms max. at end of life.

INSULATION RESISTANCE: 100 MΩ min. at 500 V DC.

DIELECTRIC STRENGTH: 500 V AC min.

OPERATING/STORAGE TEMPERATURES: –10°C to 60°C.

PACKAGING: Switches are supplied in anti-static bags or anti-static trays.

Materials

FRAME: Tin plated steel.

ACTUATOR: Polyacetal. Color: Manufacturing option.

BASE: Laminated phenolic.

TERMINALS: Silver plated brass.

MOVABLE CONTACTS: Silver plated (or clad) phosphor bronze.

RETURN SPRING: Music wire.

DETENT SPRING: Phosphor bronze.

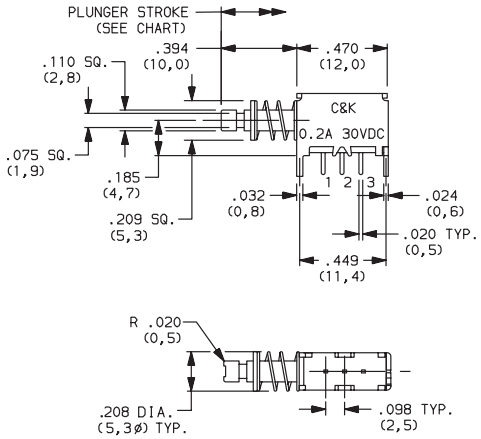
DETENT SPRING PLATE: Phosphor bronze.

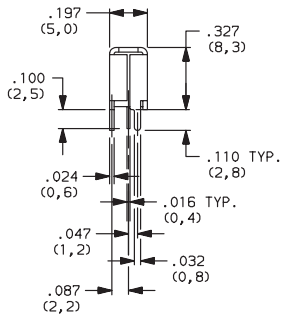
RETURN SPRING RETAINER RING: Nickel (or tin) plated steel.

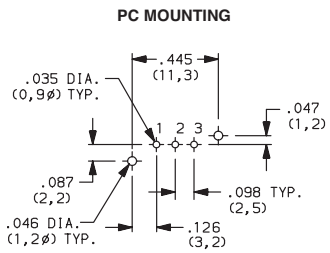
TERMINAL SEAL: Epoxy.

How To Order

Complete part numbers for PN Series Alternate & Momentary Action Pushbutton Switches are shown on pages A-82 thru A-83.









PN11SBSA03QE
SPDT

PART NUMBER	SWITCH FUNCTION	OPERATING FORCE (typ.)	STROKE		SHORTING/ NON-SHORTING	SCHEMATIC
			LOCK STROKE	FULL STROKE		
PN11SBNA03QE	SPDT Momentary	120g max.	—	.140 (3,5)	Non-Shorting	1 2 3
PN11SCNA03QE	SPDT Momentary	150g	—			
PN11SHNA03QE	SPDT Momentary	230g	—			
PN11SJNA03QE	SPDT Momentary	330g	—			
PN12SHNA03QE	SPDT Locking	230g	.100g (2,5)			
PN12SJNA03QE	SPDT Locking	330g	.100g (2,5)			
PN11SBSA03QE	SPDT Momentary	120g max.	—	.140 (3,5)	Shorting	
PN11SCSA03QE	SPDT Momentary	150g	—			
PN11SHSA03QE	SPDT Momentary	230g	—			
PN11SJSA03QE	SPDT Momentary	330g	—			
PN12SHSA03QE	SPDT Locking	230g	.100g (2,5)			
PN12SJSA03QE	SPDT Locking	330g	.100 (2,5)			

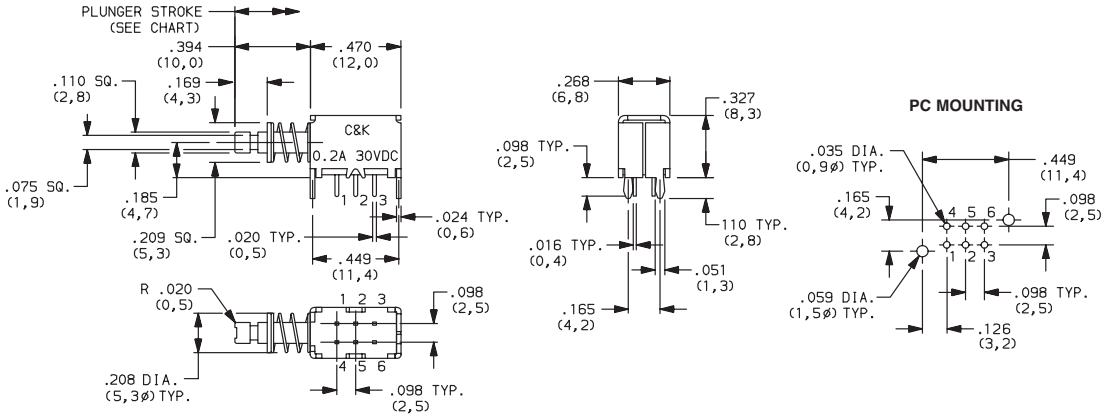
Third Angle Projection

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

PN Series
Alternate & Momentary Action Pushbutton Switches



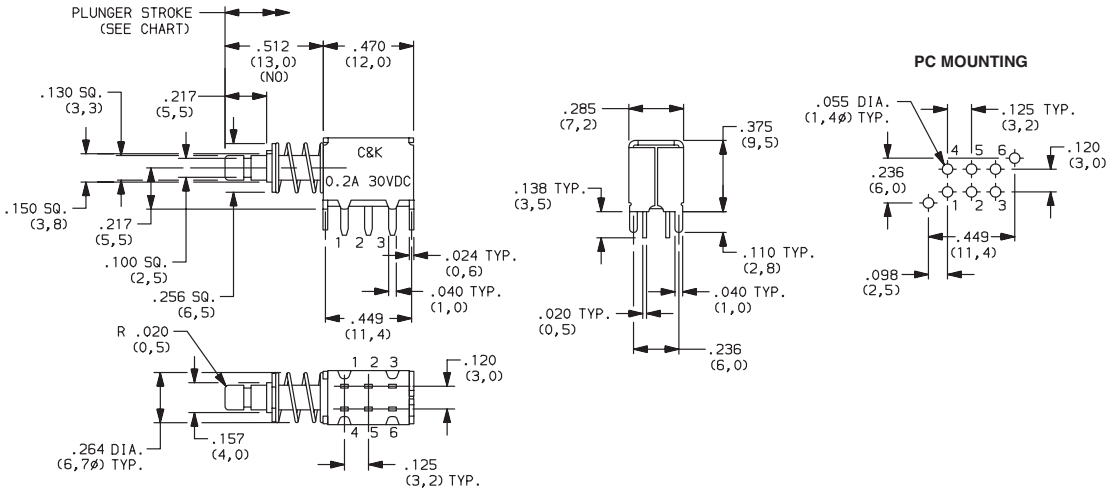
PN21SBSA03QE
DPDT



PART NUMBER	SWITCH FUNCTION	OPERATING FORCE (typ.)	STROKE		SHORTING/ NON-SHORTING	SCHEMATIC
			LOCK STROKE	FULL STROKE		
PN21SBNA03QE	DPDT Momentary	120g max.	—	.140 (3,5)	Non-Shorting	4 5 6 / 1 2 3
PN21SDNA03QE	DPDT Momentary	175g	—			
PN21SJNA03QE	DPDT Momentary	330g	—			
PN22SJNA03QE	DPDT Locking	330g	.100 (2,5)			
PN21SBSA03QE	DPDT Momentary	120g max.	—	.140 (3,5)	Shorting	
PN21SDSA03QE	DPDT Momentary	175g	—			
PN21SJSA03QE	DPDT Momentary	330g	—			
PN22SJSA03QE	DPDT Locking	330g	.100 (2,5)			



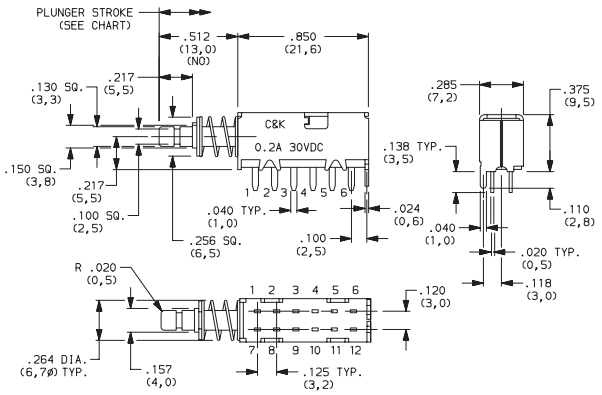
PN21LASA03QE
DPDT

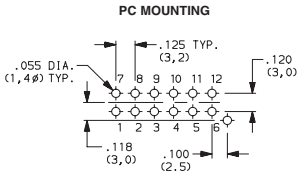


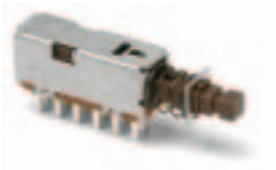
PART NUMBER	SWITCH FUNCTION	OPERATING FORCE (typ.)	STROKE		SHORTING/ NON-SHORTING	SCHEMATIC
			LOCK STROKE	FULL STROKE		
PN21LANA03QE	DPDT Momentary	100g max.	—	.140 (3,5)	Non-Shorting	4 5 6 / 1 2 3
PN21LFNA03QE	DPDT Momentary	120g	—			
PN21LDNA03QE	DPDT Momentary	175g	—			
PN21LENA03QE	DPDT Momentary	300g	—			
PN22LENA03QE	DPDT Locking	300g	.100 (2,5)			
PN21LASA03QE	DPDT Momentary	100g max.	—	.140 (3,5)	Shorting	
PN21LFSA03QE	DPDT Momentary	120g	—			
PN21LDSA03QE	DPDT Momentary	175g	—			
PN21LESA03QE	DPDT Momentary	300g	—			
PN22LESA03QE	DPDT Locking	300g	.100 (2,5)			

Third Angle Projection

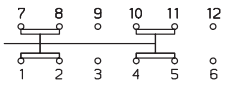
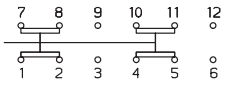
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change





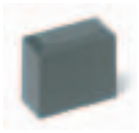


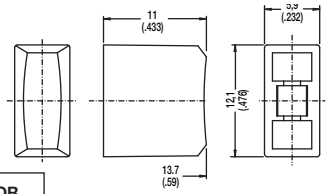
PN41LGSA02QE
4PDT

PART NUMBER	SWITCH FUNCTION	OPERATING FORCE (typ.)	STROKE		SHORTING/ NON-SHORTING	SCHEMATIC
			LOCK STROKE	FULL STROKE		
PN41LGNA02QE	4PDT Momentary	175g	–	.140 (3,5)	Non-Shorting	
PN41LENA02QE	4PDT Momentary	300g				
PN42LENA02QE	4PDT Locking	300g	.100 (2,5)			
PN41LGSA02QE	4PDT Momentary	175g	–	.140 (3,5)	Shorting	
PN41LESA02QE	4PDT Momentary	300g				
PN42LESA02QE	4PDT Locking	300g	.100 (2,5)			

BUTTONS MUST BE ORDERED SEPARATELY. SHIPPED IN BULK.

PE



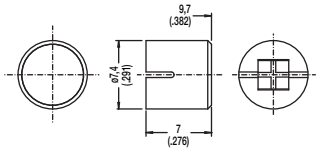


OPTION CODE	COLOR
RD	Red
GY	Gray
BK	Black
WH	White

PE and PV buttons fit .130" square plungers

PV

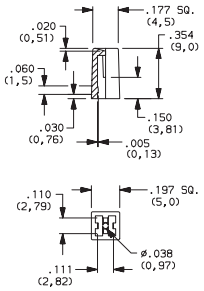




Indexed

G001A Black
G001G Gray
G001I Ivory
G001R Red

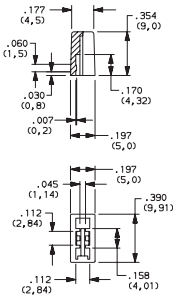




Rectangular

G002A Black
G002G Gray
G002I Ivory
G002R Red

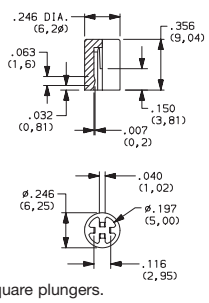




Round

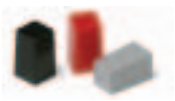
G003A Black
G003G Gray
G003I Ivory
G003R Red

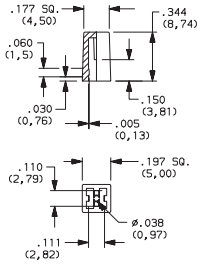




Square

G004A Black
G004G Gray
G004I Ivory
G004R Red





G001, G002, G003 and G004 buttons fit .110" square plungers.

Third Angle Projection

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