

21000N series

Low profile toggle switches

Distinctive features and specifications



- ☐ Available with threaded or plain bushing, both with mounting plate
- ☐ Low profile - same height for single and double pole
- ☐ Wave solderable only

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
 - silver contacts (A) : 4A 30VDC
 - gold plated brass contacts (LD) : 100mA 30VDC
- Minimum load :
 - silver contacts (A) : 100mA 10V
 - gold plated brass contacts (LD) : 10 μ A 5VDC - 10mA 50mV
- Initial contact resistance : 20 m Ω max.
- Insulation resistance : 1.000 M Ω min. at 500VDC
- Dielectric strength :
 - 1.000 Vrms 50 Hz min. between terminals
 - 2.000 Vrms 50 Hz min. between poles
 - 2.000 Vrms 50 Hz min. between terminals and frame
- Electrical life at full load :
 - silver contacts (A) : 20.000 cycles
 - gold plated brass contacts (LD) : 50.000 cycles
- Low level or mechanical life : 100.000 cycles

MATERIALS

- Case and cover : PBT
- Actuator : brass, nickel plated
- Bushing : brass, nickel plated
- Contacts
 - A : silver
 - LD : brass, gold plated

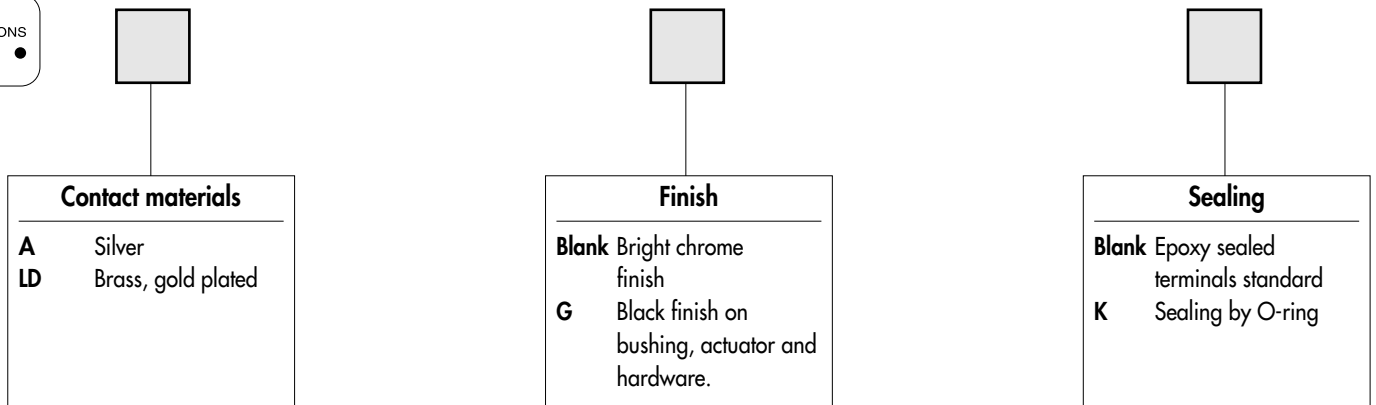
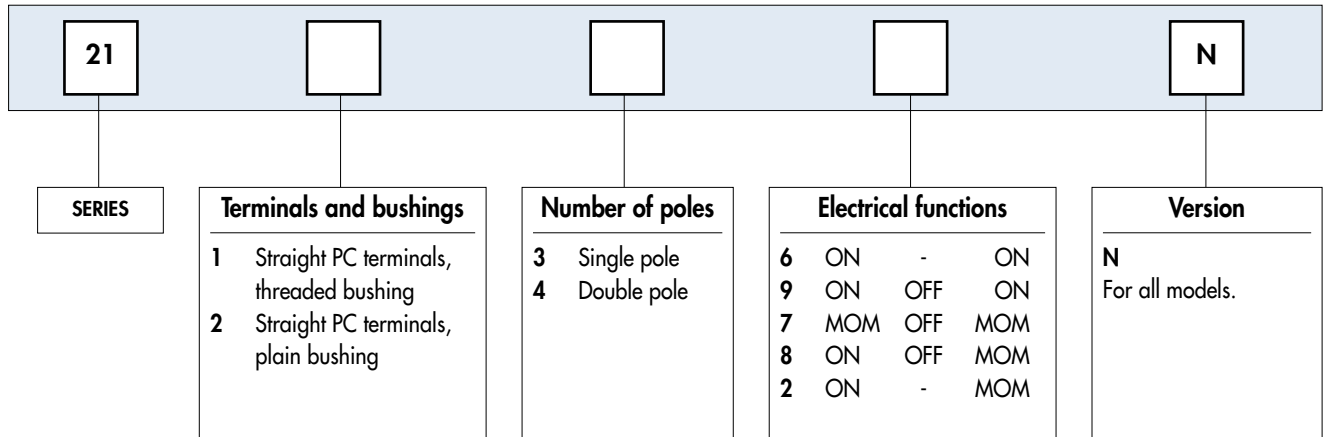
GENERAL SPECIFICATIONS

- Operating temperature : -40°C to +85°C

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Overview



ABOUT THIS SERIES

On the following pages, you will find successively :

- model structure of switches
- options in the same order as in above chart

Dimensions : first dimensions are in mm while inches are shown as bracketed numbers.



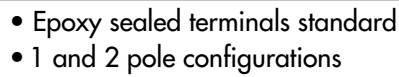
Mounting accessories : standard hardware supplied with all models with threaded bushing : 2 hex nuts 8 mm (.314) across flats. Standard and special hardware available are presented in section I.



Packaging unit : 50 pieces for SP models, 25 pieces for DP.

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MODEL
STRUCTURE

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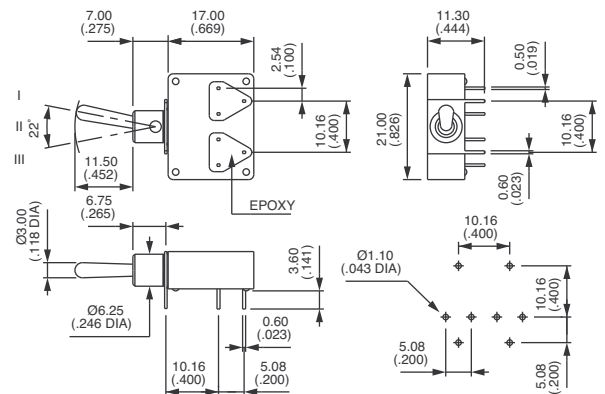
Technical drawings of the 1000 Series Single-Ported Plug Valve. The left drawing is a front view showing a 22° handle angle, dimensions for the handle (7.00, 17.00, 2.54), and the plug (11.50, 6.75, 3.60, 0.60, 10.16, 5.08). The right drawing is a side view showing the plug diameter (Ø1.10), handle diameter (11.00), and plug diameter (10.16). Both drawings include dimensions in inches and millimeters.

Plain bushing - double pole

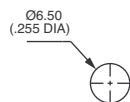


21246N
21249N
21247N
21248N
21242N

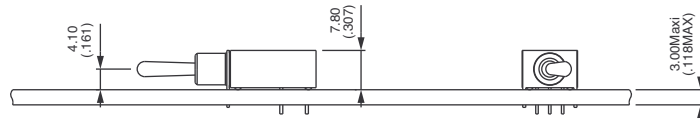
III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM



PANEL CUT-OUT

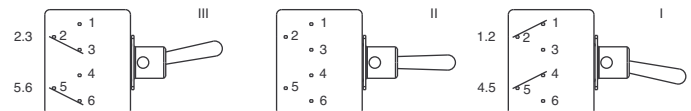


PCB MOUNTING



POSITIONS AND CONNECTIONS

Bottom view



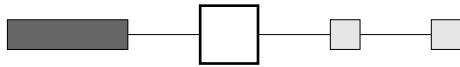
Function 6	ON	-	ON
Function 9	ON	OFF	ON
Function 7	MOM	OFF	MOM
Function 8	ON	OFF	MOM
Function 2	ON	-	MOM

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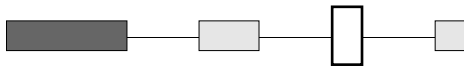
OPTIONS
● ● ●

CONTACT MATERIALS



A Silver
LD Brass, gold plated

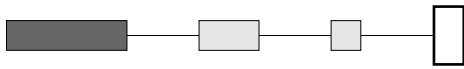
FINISH



Blank Bright chrome finish on actuator, nickel plating for bushing and hardware.

G Black finish on bushing, actuator and hardware

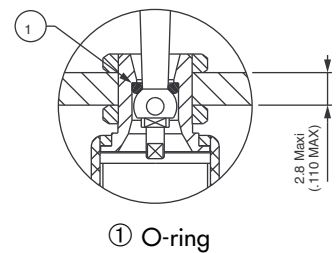
SEALING



Epoxy sealed terminals are standard.

Blank No sealing except standard.

K Bushing internally sealed by one O-ring (version without washer U360). Protects the switch against water and dust.



Mouser Electronics

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