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) : 2A 250VAC - 4A 125VAC - 4A 30VDC
  - gold plated brass contacts (LD) : 100mA 30VDC
- Minimum load :
  - silver contacts (A) : 100mA 10V
  - gold plated brass contacts (LD) : 10µA 5VDC - 10mA 50mV
- Initial contact resistance : 20 mΩ max.
- Insulation resistance : 1.000 MΩ 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, chrome plated
- Bushing : brass, nickel plated
- Contacts
  A : silver
  LD : brass, gold plated

GENERAL SPECIFICATIONS

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

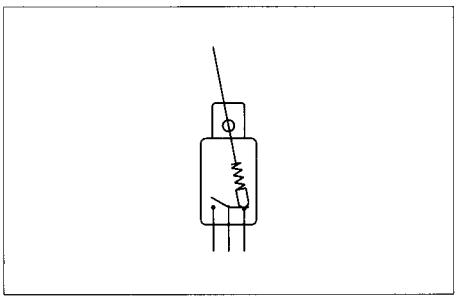
PREFERENTIAL LIST

LNZ (telecommunications)

Availability : consult factory for details of listed models.
LNZ list does not appear on the switches.

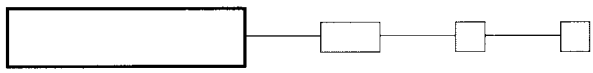
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MODEL STRUCTURE



- Epoxy sealed terminals standard
- 1 and 2 pole configurations

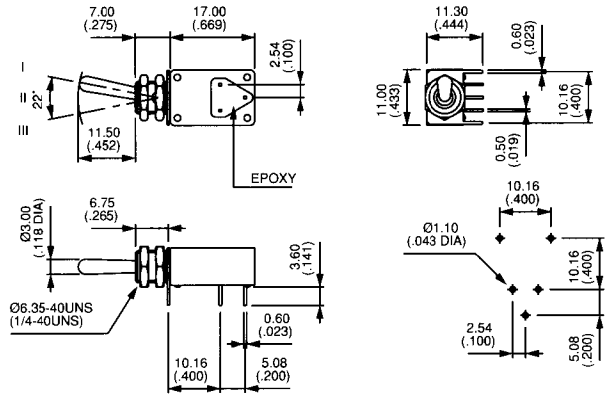
MODEL STRUCTURE



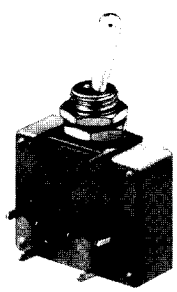
Threaded bushing - single pole



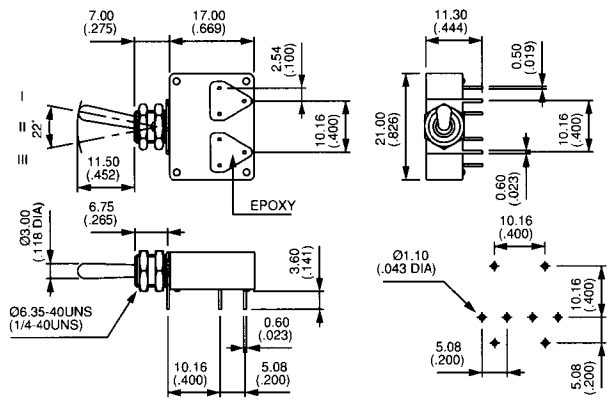
	III	II	I
	2-3		1-2
21136N	ON	-	ON
21139N	ON	OFF	ON
21137N	MOM	OFF	MOM
21138N	ON	OFF	MOM
21132N	ON	-	MOM



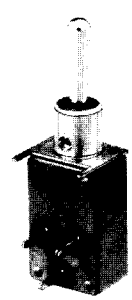
Threaded bushing - double pole



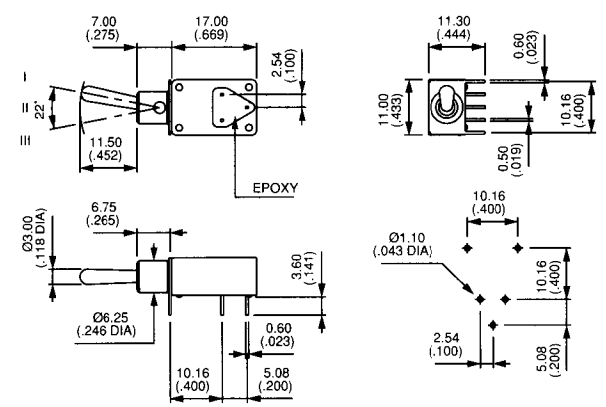
	III	II	I
	2-3		1-2
	5-6		4-5
21146N	ON	-	ON
21149N	ON	OFF	ON
21147N	MOM	OFF	MOM
21148N	ON	OFF	MOM
21142N	ON	-	MOM



Plain bushing - single pole



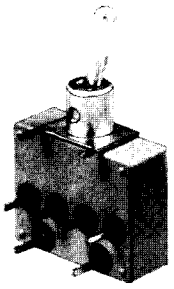
	III	II	I
	2-3		1-2
21236N	ON	-	ON
21239N	ON	OFF	ON
21237N	MOM	OFF	MOM
21238N	ON	OFF	MOM
21232N	ON	-	MOM



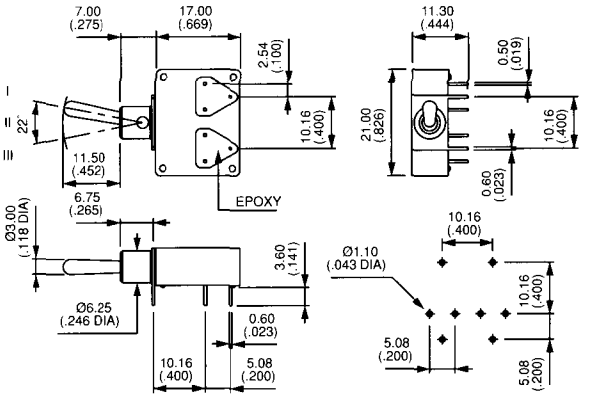
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MODEL STRUCTURE

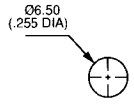
Plain bushing - double pole



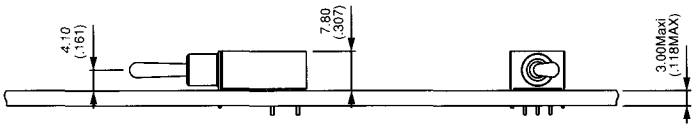
	III	II	I
	2-3		1-2
	5-6		4-5
21246N	ON	-	ON
21249N	ON	OFF	ON
21247N	MOM	OFF	MOM
21248N	ON	OFF	MOM
21242N	ON	-	MOM



PANEL CUT-OUT

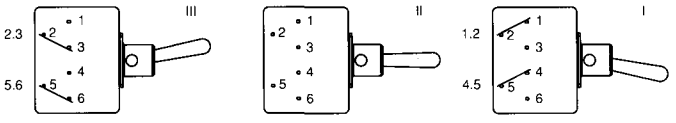


PCB MOUNTING



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