

Series Snap-In Slimswitch®

10 standard dial positions
 Front mounted
 Switch O.D. size 8.00 (.315) wide x
 33.00 (1.300) High
 Distributor or factory direct

DESCRIPTION

Our Series 23000 Slimswitch,® were specially engineered for applications where economy is one of the primary considerations in selecting a control component. Ideal for maximum panel density, reliability, error proof setting action with easily read characters of 4.31 (.170) in height. The specially designed snap-in mounting feature saves on installation and replacement time and cost without the use of any tools

FEATURES

- Snap-in front mounting. Recommended panel thickness minimum 1.58 (.062) maximum 4. (.158)
 - *Special dial characters
 - Field installable dial stops
 - 8.00 (.315) spacer
 - *Lighted decimal on spacer
 - Self-locking snap-on assembly straps
 - *Provisions for mounting components
 - Special switch modules for Digidivers™ and Digidecades™
 - Field or factory assembled to customer specifications
- *See switch parameters for details or consult factory

SPECIFICATIONS

MECHANICAL

Operating force: 4 to 8 ounces.
Life: Over 1,000,000 detent operations at 25 °C (77 °F).
Weight: .25 ounce per module (approximately).
Dial character height: .170" for standard dials.

Standard finish and color: Case, wheel and end brackets, glossy black. Dial markings, white on black hot-stamped per detail specifications.

ELECTRICAL:

Rated electrical loads: 28V AC or 28V DC at 50 milliamps resistive at 25 °C (77 °F). Non-switching current: 2 amps.

Contact resistance: Less than 100 milliohms original value between common and output terminal(s).

Insulation resistance: 1000 megohms minimum per MIL-STD-202, Method 302, Test Condition A between any two non-connected terminals.

Dielectric strength: 500 VRMS.

Terminations: Solder (Specials upon request).

ENVIRONMENTAL:

Storage temperature: -40°C to +71°C.

Operating temperature: -20°C to +70°C.

Shock: 100 G's, 6 milliseconds duration, sawtooth.

Vibration: 5 G's at 70-2000Hz; .06" double amplitude, at 10-70Hz. (Ref: MIL-STD-202, Method 204, Test Condition B.)

MATERIALS:

Printed circuit board: Epoxy fiberglass.

Contacts: Precious metal alloy.

Structural parts: ABS thermoplastic.

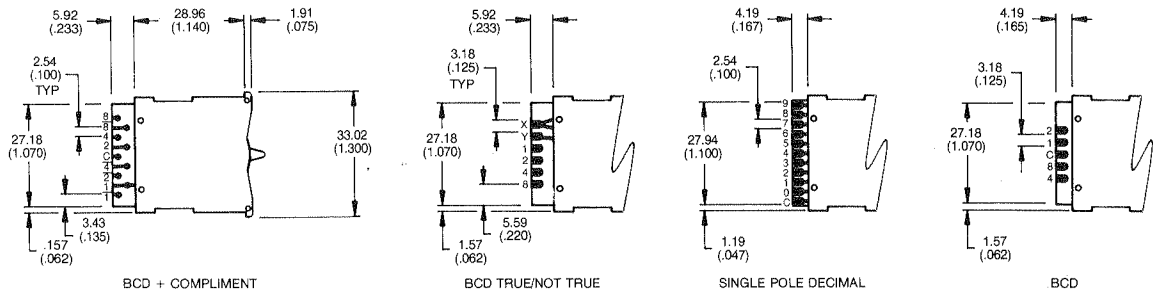
IMPORTANT NOTICE:

Do not allow flux or cleaning agent to enter switch. Use only 40% isopropyl alcohol in distilled water for cleaning agents. For additional information about recommended cleaning methods, contact Digitran.

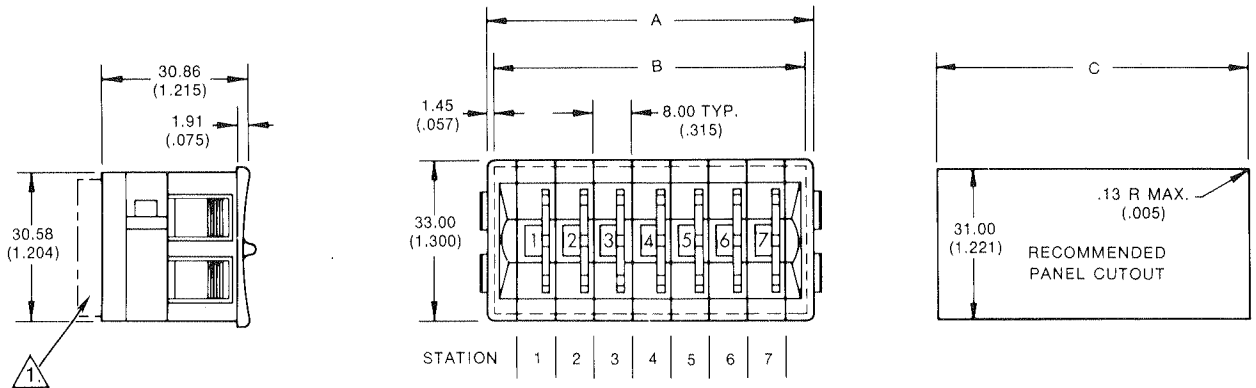
TRUTH TABLE CODES SERIES 23000

Truth Tables Positions	001	002	003	004	006	007	008	011	013	014	016	017	021	022	023	024	025	038	039	041	043	047	048	049	050
Code	2	8	8	8	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	12	12	16	16	16	16
Series	23000	*	*	*	*	*	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PC Terminations per Truth Table Code	S — L	S P W L	S — —	S P W L	— — —	S P W —	S P W L	S — —	S — L	S — L	S — L	S — —	S P W —	S — —	S — —	S — —	S — —	S — —	S — —	S — —	S — —	S — —	S — —	S — —	S — —

*Octal code achieved by dial stops.



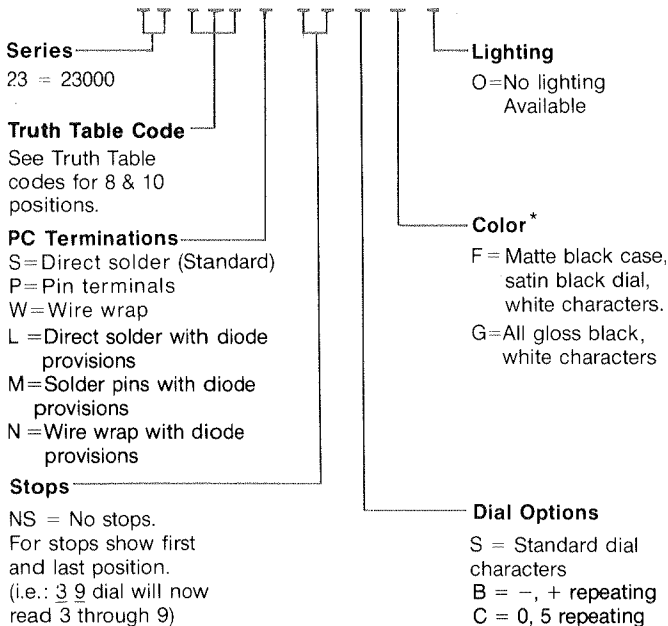
TYPICAL TERMINAL AND ELECTRICAL OUTPUT DETAILS SERIES 23000 SNAP-IN SLIMSWITCH®



RECOMMENDED ASSEMBLY PANEL CUTOUT DIMENSIONS

How to order standard switch modules

See page 79 for Assembly Ordering Instructions
 All spaces must be filled for a complete part (switch) number
Example: 23 / 0 11 / S / N S / S / G / 0



NUMBER OF MODULES	A	B	C
1	19.0 (.748)	16.0 (.630)	16.6 (.654)
2	27.0 (1.063)	24.0 (.945)	24.6 (.969)
3	35.0 (1.378)	32.0 (1.260)	32.6 (1.283)
4	43.0 (1.693)	40.0 (1.575)	40.6 (1.598)
5	51.0 (2.008)	48.0 (1.890)	48.6 (1.913)
6	59.0 (2.323)	56.0 (2.205)	56.6 (2.228)
7	67.0 (2.638)	64.0 (2.520)	64.6 (2.543)
8	75.0 (2.953)	72.0 (2.835)	72.6 (2.858)
9	83.0 (3.268)	80.0 (3.150)	80.6 (3.173)
10	91.0 (3.583)	88.0 (3.465)	88.6 (3.488)

NOTES:

⚠ For details of printed circuit board, terminals and electrical output, see drawing of specific module.
 Prime dimensions are metric.

WINDOW AND CHARACTER DIMENSIONS

Positions	Window Dimensions		Max. character Height	Visual Comparison
	H	W		
8	5.33 (.210)	3.45 (.136)	4.32 (.170)	3
10	5.33 (.210)	3.45 (.136)	4.32 (.170)	3

Not all options are available in all series or codes. Some tooling charges may be required.

*For nonstandard colors and combinations consult factory.

Notes 1 — For nonstandard switch options and features not covered in the how to order chart, see modified ordering instruction section, page 78, or consult factory.

Character heights cannot be increased from those shown. For maximum usable window width, consult factory.