Touch

Supplement | Accessories

neral Specification

特力材料886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

Electrical Capacity (Resistive Load)

Logic Level: 0.4VA maximum @ 28V AC/DC maximum

(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)

Note: Find additional explanation of operating range in Supplement section.

Other Ratings

80 milliohms maximum **Contact Resistance:**

Insulation Resistance: 500 megohms minimum @ 500V DC **Dielectric Strength:** 500V AC minimum for 1 minute minimum

Mechanical Life: 100,000 operations minimum for On-None-On & On-Off-On

50,000 operations minimum for other circuits

Electrical Life: 100,000 operations minimum for On-None-On & On-Off-On

> 50,000 operations minimum for other circuits 0.93N for momentary & 1.20N for maintained

Nominal Operating Force: Angle of Throw: 28°

Materials & Finishes

Actuator: Glass fiber reinforced polyamide

Case: Glass fiber reinforced polyamide

Sealing Rings: Nitrile butadiene rubber

Movable Contacts: Phosphor bronze with gold plating Stationary Contacts: Phosphor bronze with gold plating Base: Glass fiber reinforced polyamide **Terminals:** Phosphor bronze with gold plating **Support Bracket:** Phosphor bronze with tin plating

Environmental Data

-25°C through +85°C (-13°F through +185°F) Operating Temperature Range:

Humidity: 90 ~ 95% humidity for 96 hours @ 40°C (104°F)

Vibration: 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning

in 1 minute; 3 right angled directions for 2 hours

50G (490m/s²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction) Shock:

PCB Processing

Wave Soldering recommended: See Profile A in Supplement section. Soldering:

Manual Soldering: See Profile A in Supplement section.

Cleaning: Automated cleaning. See Cleaning specifications in Supplement section.

Standards & Certifications

The G Series toggles have not been tested for UL recognition or CSA certification. These switches are designed for use in a low-voltage, low-current, logic-level circuit. When used as intended in a logic-level circuit, the results do not produce hazardous energy.



Distinctive Characteristics

Ultra-miniature size allows high density mounting, and extremely light weight of 0.25 gram makes these switches ideal for handheld equipment.

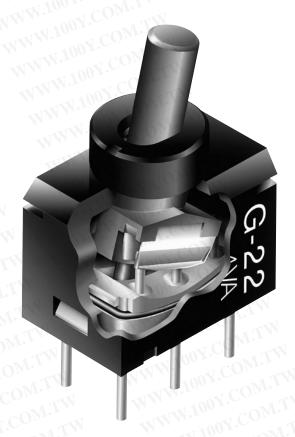
Totally sealed body construction prevents contact contamination and allows time- and money-saving automated soldering and cleaning.

Molded-in, epoxy sealed terminals lock out flux, solvents, and other contaminants.

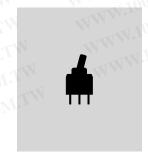
Award-winning STC contact mechanism with benefits unavailable in conventional mechanisms: smooth, positive detent actuation, increased contact stability, and unparalleled logic-level reliability. (Additional STC details in Terms & Acronyms; see Supplement section.)

.100" x .100" (2.54mm x 2.54mm) terminal spacing conforms to standard PC board grid spacing. Round terminals facilitate easier through-hole mounting on PC boards.

Matching indicators available.



Actual Size





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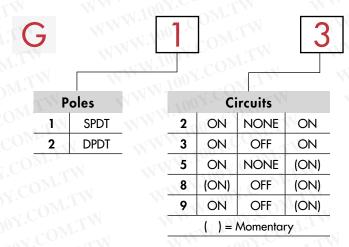
A35

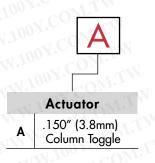
Rotaries

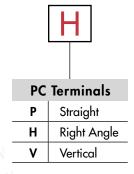
Touch

Toggles

TYPICAL SWITCH ORDERING EXAMPLE







DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

G13AH

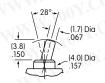


					POLES & CIRCUITS				
MMA		Toggle Position () = Momentary			Connected Terminals			Throw & Schematics	
Pole	Model	Up Slot	Center	Down	Up Slot	Center	Down	Note:	Terminal numbers are not actually on the switch.
SP	G12 G13 G15 G18 G19	ON ON (ON) ON	NONE OFF NONE OFF	ON ON (ON) (ON)	5-6	OPEN	5-4	SPDT	• 5 (COM) 4• 6
DP	G22 G23 G25 G28 G29	0X 0X 0X (0X)	NONE OFF NONE OFF	OX OX (OX) (OX)	5-6 2-3	OPEN	5-4 2-1	DPDT	4

ACTUATOR



.150" (3.8mm) Column Toggle





PC TERMINALS

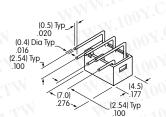


Straight

(2.54) Typ_, .100 (0.4) Dia Typ_, .016

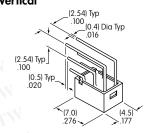


Right Angle



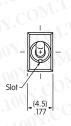


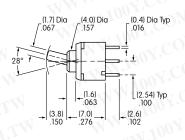
Vertical

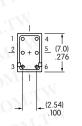




Single & Double Pole







(0.6) Dia Typ_ .024 (0.6) Dia Typ

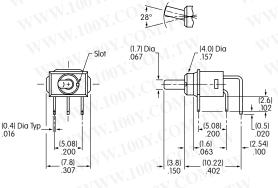
Straight PC

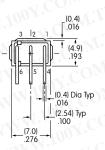


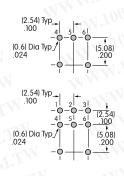
On single pole models, locations 1 & 3 are for support pins

G19AP

Single & Double Pole









Right Angle PC

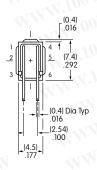


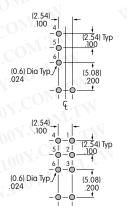
G19AH

Vertical PC

Single & Double Pole

(1.7) Dia .067 (4.0) Dia .157 (1.0) .039 (5.08) .200 _(12.76) .502 (0.5) Typ .020 _(2.54) Typ .100 (0.4) Dia Typ .016







G22AV

A37

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