

G5E Series

Subminiature Micro Switch



■ Features

- ◆ Small compact size
- ◆ Long life and high reliability
- ◆ Variety of terminals
- ◆ PTI rated 400V
- ◆ Widely applied for home appliances, electronic equipments, automatic equipments, communication equipments, auto electronics, apparatus and instruments, power tools, etc. Especially used for the electric heating tap industry.

■ Application

- ◆ Home Appliances: Electric heating tap
- ◆ Electronic equipment
- ◆ Automatic equipment
- ◆ Communication equipment
- ◆ Auto electronics
- ◆ Apparatus and instruments
- ◆ Power tools

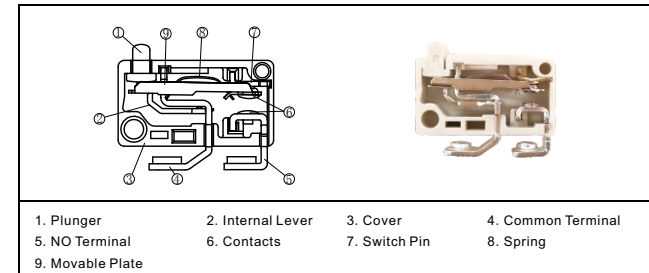
■ Parameters

Operating Speed		0.1mm -1m/s (Related with actuator forms)
Operating Frequency		Mechanical 60 cycles/min; Electrical 15 cycles/min
Insulation Resistance		≥100MΩ (500VDC)
Contact Resistance		≤100mΩ (Initial Value)
Voltage Resistance	Between each terminal of the same polarity	AC1000V, 50/60Hz, 1min.
	Between current-carrying metal part and cover, and between each terminal and non-current carrying metal parts	AC1500V, 50/60Hz, 1min.
Vibration Resistance		10-55Hz, Double amplitude 1.5mm
Operating Temperature		-40~85°C
Operating Humidity		85%RH Max
Service Life	Electrical	50000 cycles
	Mechanical	1000,000 cycles

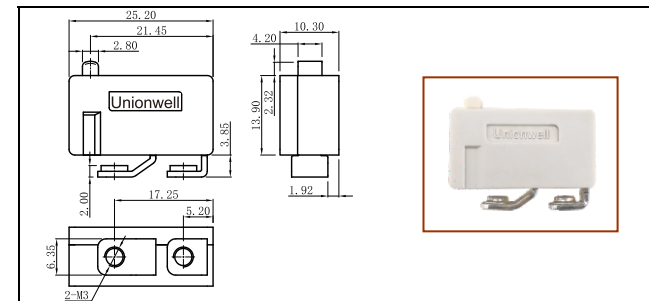
G5E Series Micro Switch Ordering Instruction

G5E	16	100	A	P	T001	U
Switch Type	Electrical Rating	Max Operating Force at Pin Plunger	Terminal Type	Circuit Code	Custom Code	LOGO
Switch Type	16 16A 250VAC 40T85 μ 5E4	100 100gf Max	A M3 Screw Terminals	P SPST-NO	General	U Unionwell
	... Other	150 150gf Max	... Special Terminals		T001 Customized according to requirements, the code format is T+ serial number XXX, for example: T001	... Other
		... Other				... Other

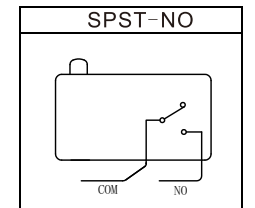
■ Inner Construction



■ Shape Characteristics

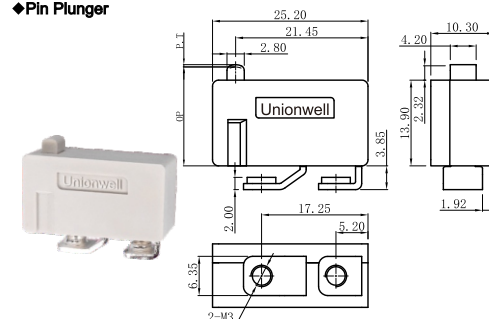


■ Circuit Configuration



■ Dimensions and Operating Characteristics

◆ Pin Plunger



Operating Parameters

Type	OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
G5E□□-100APU	100	20	1.6	0.8	0.8	17	15.5 ± 0.5
G5E□□-150APU	150	30	1.6	0.8	0.8	17	15.5 ± 0.5
G5E□□-200APU	200	50	1.6	0.8	0.8	17	15.5 ± 0.5
G5E□□-300APU	300	75	1.6	0.8	0.8	17	15.5 ± 0.5
G5E□□-400APU	400	100	1.6	0.8	0.8	17	15.5 ± 0.5