Subminiature toggle switches • metal bushing



SW ZL 2222

DISTINCTIVE FEATURES

Ø 4.83 mm threaded bushing Solder lug and straight PC terminals





ENVIRONMENTAL SPECIFICATIONS

- Operating temperature : -30 °C to +85 °C (-22 °F to +185 °F)
- Moisture: 21 days 95 % (NFC 20-603 IEC 8-2-3)



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
- gold plated contacts: 0.4 VA 20 V max. AC or DC
- silver plated contacts: 0.5 A 48 V max. AC or DC
- \bullet Minimum load : 10 mA 50 mV 10 μA 5 VDC
- Contact resistance : 20 $m\Omega$ max.
- Insulation resistance : 1,000 M Ω min. at 500 VDC
- Dielectric strength: 1,000 Vrms 50 Hz min. between terminals and frame, 500 Vrms 50 Hz min. between terminals
- Electrical life at full load :

Contacts	Number of cycles		
	2 positions	3 positions	
Gold plated	60,000	30,000	
Silver plated	20,000	10,000	



GENERAL SPECIFICATIONS

- Strength of terminals : pull-out force 10 N max.
- Torque : 1 Nm max. applied between the 2 nuts
- Max. panel thickness: 1.5 mm (.059) with 2 nuts

The company reserves the right to change specifications without notice.



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MATERIALS

- Case: thermoplastic UL94-V0
- Actuator : brass, nickel plated
- Bushing: zamac, tin plated
- Contacts and terminals:
 - 0: brass, gold plated (standard)
 - 1: brass, silver plated
 - 3: brass, gold plated (1.27 micron gold)
- Terminal seal : epoxy



SOLDERING

- Hand soldering: 280 °C (536 °F) max. for 5 seconds max.
- \bullet Wave soldering : 260 °C (500 °F) max. for 5 seconds max.



TERMINALS



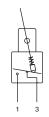


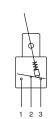
Solder lug S0

Straight P0



ELECTRICAL FUNCTIONS





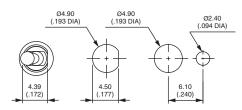
Function 1

Other function

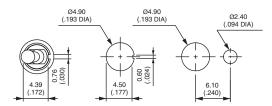


PANEL CUT-OUT

WITH FLAT



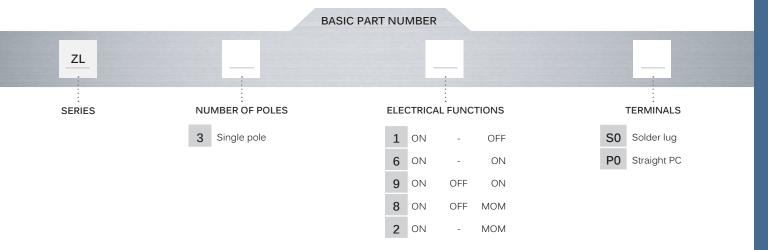
WITH KEYWAY

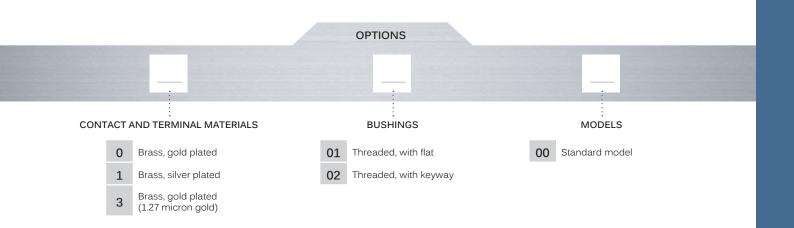


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BUILD YOUR PART NUMBER







ABOUT THIS SERIES

On the following pages, you will find successively basic part numbers of switches and options in the same order as in above chart.

Mounting accessories: Standard hardware supplied with all models: 2 hex nuts 7 mm (.275) across flats P/N U5731, 1 locking ring P/N U5821 (with keyway) or U5831 (with flat) and 1 lockwasher P/N U5841.

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SOLDER LUG TERMINALS



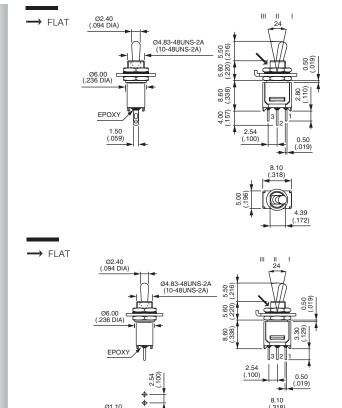
	III	II	1
ZL31S0	ON	-	OFF
ZL36S0	ON	-	ON
ZL39S0	ON	OFF	ON
ZL38S0	MOM	OFF	ON
ZL32S0	MOM	-	ON

STRAIGHT PC TERMINALS



	III	II	I
ZL31P0	ON	-	OFF
ZL36P0	ON	-	ON
ZL39P0	ON	OFF	ON
ZL38P0	MOM	OFF	ON
ZL32P0	MOM	-	ON

Shown with threaded bushing code **01**



CONTACT & TERMINAL MATERIALS

BASIC P/N

00

- 0 Brass, gold plated (standard)
- 1 Brass, silver plated
- Brass, gold plated (1.27 micron gold)

BUSHINGS

BASIC P/N



- 01 Threaded, with flat
- 02 Threaded, with keyway