



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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ZP series

Tiny pushbutton switches - metal bushing

Distinctive features - Specifications - Overview

UG1410A



☐ Ø 4,83 mm threaded bushing

☐ Solder lug and straight PC terminals

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
 - gold plated contacts : 0,4VA 20V max. AC or DC
 - silver plated contacts : 0,5A 48V max. AC or DC
- Minimum load : 10mA 50mV - 10µA 5VDC
- Contact resistance : 50 mΩ max.
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength: 1.000 Vrms 50 Hz min. between terminals and frame
500 Vrms 50 Hz min. between terminals
- Electrical life at full load :
 - gold plated contacts : 60.000 cycles
 - silver plated contacts: 20.000 cycles

MATERIALS

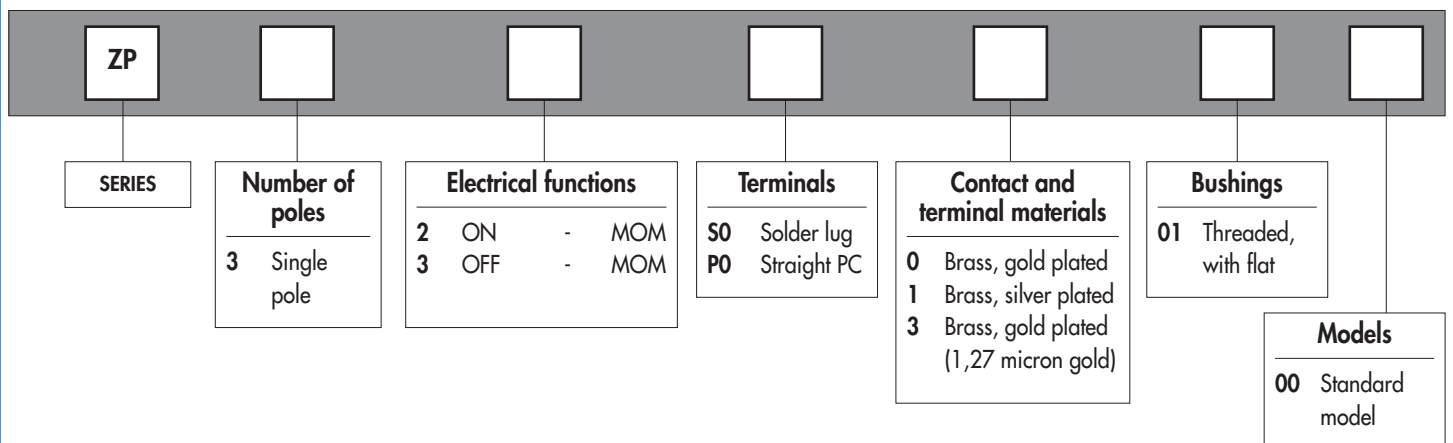
- Case : thermoplastic UL94-V0
- Actuator : thermoplastic UL94-V0
- Bushing : zamac, tin plated
- Contacts and terminals :
 - 0** : brass, gold plated (standard)
 - 1** : brass, silver plated
 - 3** : brass, gold plated (1,27 micron gold)
- Terminal seal : epoxy

GENERAL SPECIFICATIONS

- Travel :
 - function 2 (ON-MOM) : 1,2 mm (.047) ± 0,3 (.11)
 - function 3 (OFF-MOM) : 1 mm (.039) ± 0,3 (.11)
- Strength of terminals : pull-out force 10N max.
- Torque : 1Nm max. applied between the 2 nuts
- Max. panel thickness : 1,5 mm (.059) with 2 nuts
- Operating temperature : -30°C to +85°C
- Moisture : 21 days 95 % (NFC 20-603 - IEC 68-2-3)

SOLDERING

- Hand soldering : 280°C max. for 5 seconds max.
- Wave soldering : 260°C max. for 5 seconds max.



Dimensions : First dimensions are in mm while inches are shown as bracketed numbers.



Packaging unit : 100 pieces

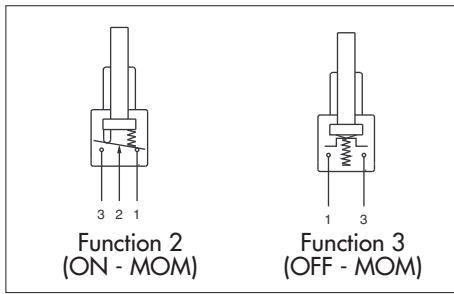


Mounting accessories : Standard hardware supplied with all models : 2 hex nuts 7 mm (.275) across flats P/N U5731, 1 locking ring P/N U5831 and 1 lockwasher P/N U5841.

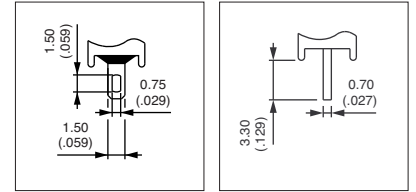
The company reserves the right to change specifications without notice.

ZP series

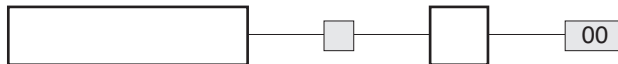
Tiny pushbutton switches - metal bushing



- Single pole
- Gold plated or silver plated contacts
- Epoxy sealed terminals



MODEL STRUCTURE



Shown in function 2 (ON-MOM)

B2

Solder lug terminals : ZP..S0

→ Flat



ZP32S0



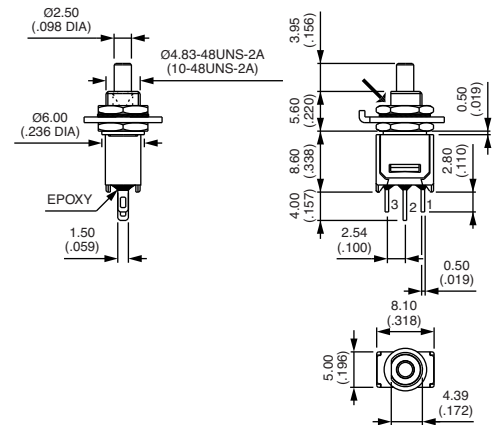
ON

MOM

ZP33S0

OFF

MOM



Straight PC terminals : ZP..P0

→ Flat



ZP32P0



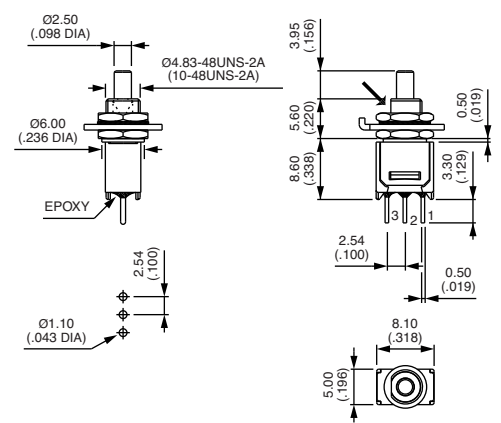
ON

MOM

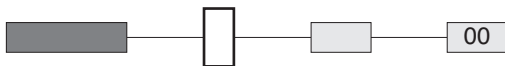
ZP33P0

OFF

MOM

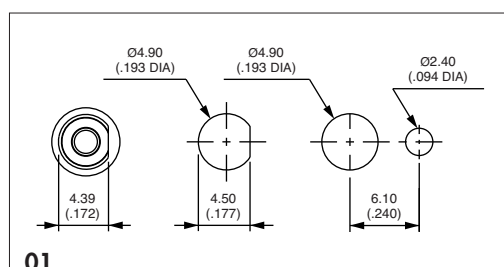
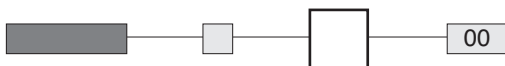


CONTACT & TERMINAL MATERIALS



0 : Brass, gold plated (standard) - 1 : Brass, silver plated
3 : Brass, gold plated (1,27µ gold)

BUSHING



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