5N.TP.1803

TP series

Subminiature washable momentary pushbutton switches





DISTINCTIVE FEATURES

Process sealed
Single piece case
Front and rear sealing
Wide variety of contact materials
Same PCB layout as TL, TR and TG subminiature switches



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 : 50 m Ω 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 :
- gold plated contacts: 60,000 cycles
- silver plated contacts: 20,000 cycles



ENVIRONMENTAL SPECIFICATIONS

- \bullet Operating temperature : -30 °C to +85 °C (-22 °F to +185 °F)
- Moisture: 21 days 95 % (NFC 20-603 IEC 68-2-3)



GENERAL SPECIFICATIONS

- Total travel :
- function 2:1 mm (.039)
- function 3: 0.8 mm (.031)
- Strength of terminals : pull-out force 10 N max.
- Cleaning: solvents or water + detergent
- Wave soldering: 260 °C (500 °F) 5 sec.

The company reserves the right to change specifications without notice.



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MATERIALS

- Case : PBT
- Actuator : polyamide, glass filled
- Contacts and terminals:
- 0: brass, gold plated
- 1: brass, silver plated
- 3: brass, gold plated (1.27 micron gold)
- 8 : contact brass, gold plated + tin plated terminals
- 9: contact brass, gold plated (1.27 micron gold)
- + tin plated terminals
- Terminal seal : epoxy

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

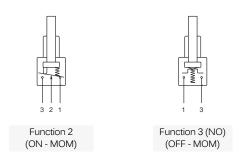


TERMINALS



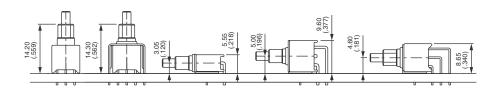


ELECTRICAL FUNCTIONS





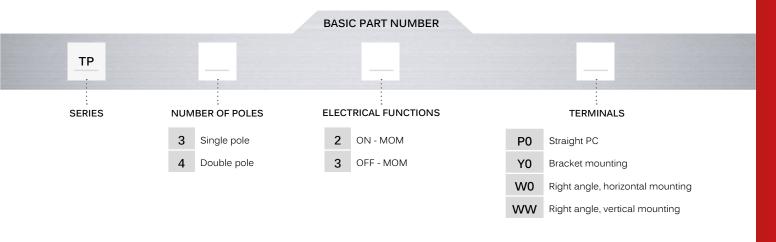
PCB MOUNTING

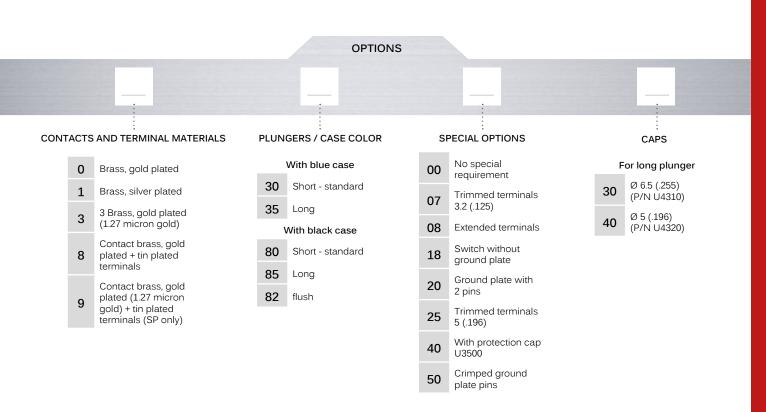


Subminiature washable momentary pushbutton switches

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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.

Notice: please note that not all combinations of above numbers are available. Refer to the following pages for further information.

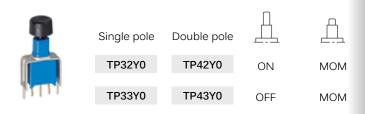
Subminiature washable momentary pushbutton switches

STRAIGHT PC TERMINALS: TP..P0



Function 3 has two terminals only (3 and 1) per pole

STRAIGHT TERMINALS BRACKET MOUNTING: TP..Y0



Function 3 has two terminals only (3 and 1) per pole

RIGHT ANGLE TERMINALS HORIZONTAL MOUNTING: TP..W0



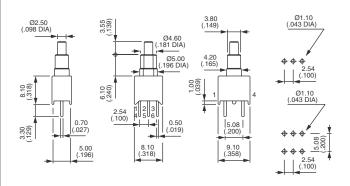
Function 3 has two terminals only (3 and 1) per pole

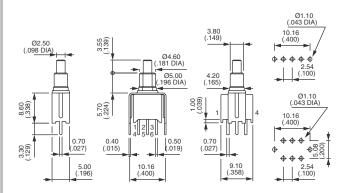
RIGHT ANGLE TERMINALS VERTICAL MOUNTING : TP..WW

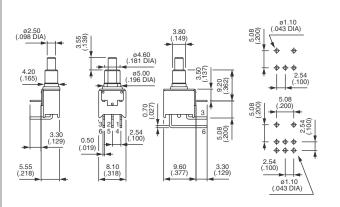


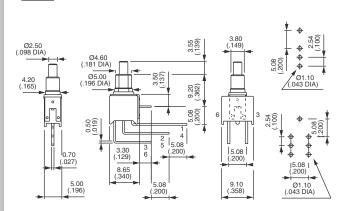
Function 3 has two terminals only (3 and 1) per pole

Shown in function 2, with standard plunger

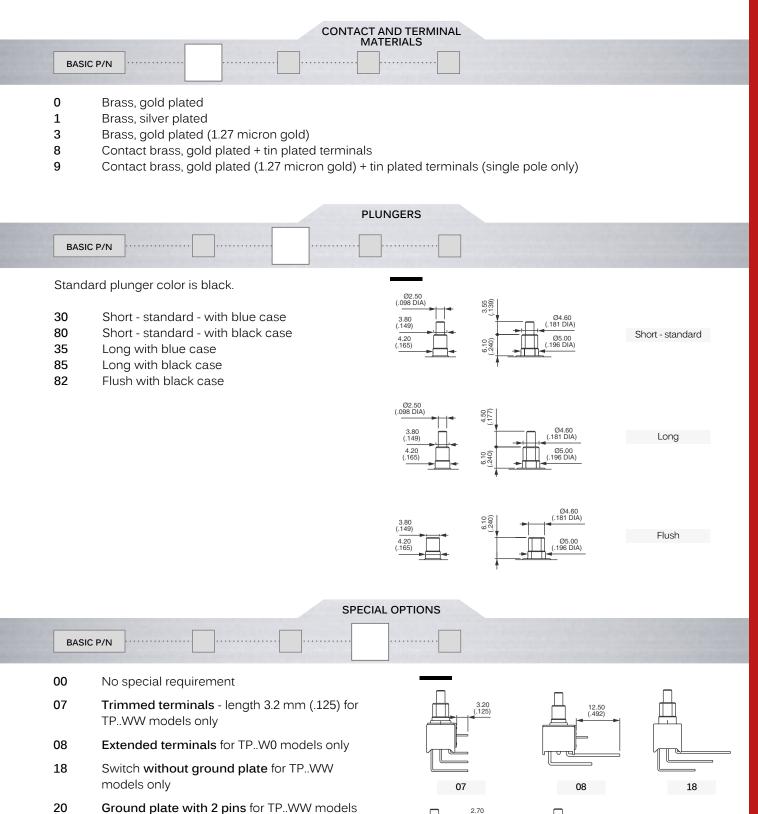








Subminiature washable momentary pushbutton switches



20

25

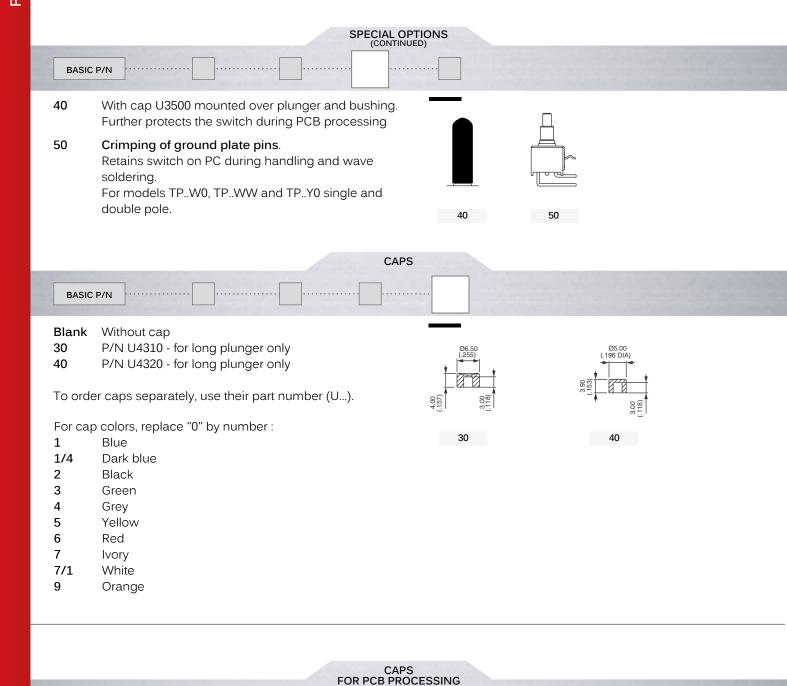
only

models, except TP..WW

Trimmed terminals - length 5 mm (.196) for all

25

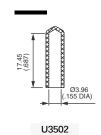
Subminiature washable momentary pushbutton switches



Order separately

Provide additional protection during PCB processing. Supplied separately. For cap mounted on the switch, see special option 40.

Material: vinyl



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Click to view similar products for Pushbutton Switches category:

Click to view products by Apem manufacturer:

Other Similar products are found below:

LW1L-M1C10V-A LW2L-A1C20M-GD LW2L-M1C20M-A 60324L M7E-HRN2 67021K512 67081K512X 701PB580 719-5504-000

MDPSSGLFS 810KSV30B FLT 2U EE 01A MML21KA3ABK MML23KA3AC05K-001 MML23KW3AA01W 8418K2 8646AB6X718UL

8646ABUL FSDWH 9001KXRK 9001T8BK 9533CD4+U574+U4922 1203MRA A22EM01S A595 1202A6 12037A2ULCSA 1203A2UL

ABD122N-B 1211390004 ABN111-Y ABN400-R 1211500044 1211580012 1212MRA 1232A6NF RA3CSH6A 1241.1183.7047

1241.2511 1241.3428 1223A2ULCSA 1223MRA 1232AX2119 1241.1183.8000 1241.1183.8029 1241.2506 1241.2606 12MA6

1301940184 RELBARF6X10(PLASTIC)