MP / A / E / G, Green Series

Features

- **Wire lug or pC terminals**
- **Customer selected actuator cap size and color on MPA series**
- **MPE series sealed to IP65**
- **Entire series with epoxy sealed terminals**
- **Actuator guards, decorative hardware, and silicone boot seals available**

Typical performance characteristics

Contact configuration . . . . . SPDT, DPDT, 3PDT, 4PDT
Contact timing . . . . . Break-Before-Make
Contact rating max. . . . . 6 A @ 125 VAC, 3 A @ 250 VAC
Electrical life . . . . . push on/push off: 30,000 cycles
. . . . . momentary: . 20,000 cycles
Contact resistance, initial. . . . . 10 mOhms max.
Insulation resistance . . . . . 1,000 MOhms min.
Dielectric strength. . . . . 1,500 Volts rms @ sea level
Actuation force . . . . . 4 to 20 N (400 to 2000 gf)
Actuator travel . . . . . 3.55 mm

Environmental specification

Operating temperature . . . . . -20°C to +80°C
Storage temperature . . . . . -40°C to +80°C
Solder heat resistance . . . . . wave solder capable to 265°C
Seal . . . . . mpe switches IP65

Material specifications

Contacts . . . . . copper alloy silver clad
Actuator . . . . . brass nickel plated
Terminals . . . . . copper alloy gold plated
Case . . . . . alkyd polyester (green)UL94 V-O
Frame. . . . . stainless steel
RoHS Directive 2002/95/EC . . . . . compliant

Product key

Typical product key: **MP A 1 06 D 04**

Type
- **MP** Green Series Pushbutton Switches, panel mount

Bushing style
- **A** 1/4-40 3.4mm actuator
- **E** 1/4-40 3.4mm actuator with 'O' rings
- **G** 15/32-32 large actuator

Number of poles
- **1** single pole
- **2** double pole
- **3** 3 poles
- **4** 4 poles

Rating
- **06** 6 Amp

Function
- 1 & 3 pole
  - **D** push-on/push-off
  - **F** momentary
- 2 & 4 pole
  - **N** push-on/push-off
  - **R** momentary

Terminals
- **blank** wire lug
- **PC** printed circuit board

Material
- **04** RoHS compliant

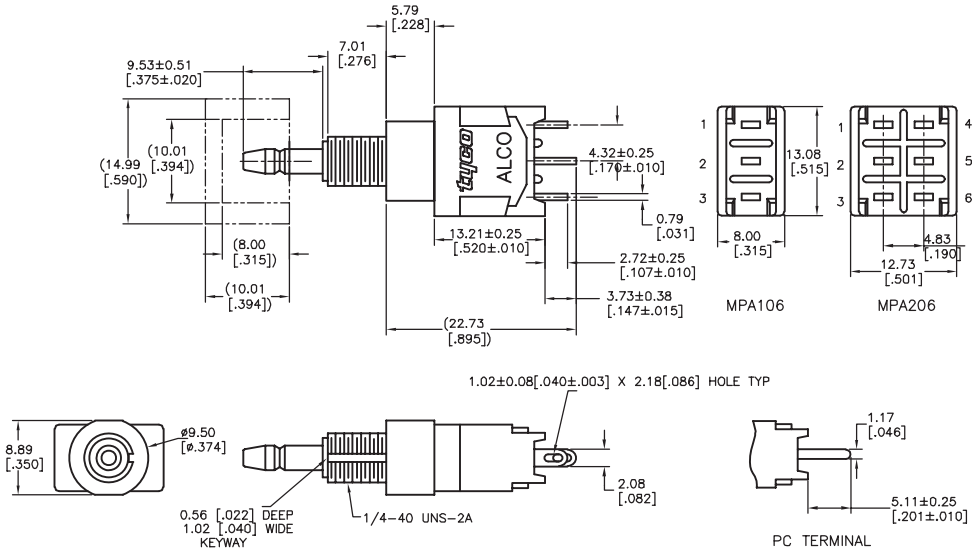
MP / A / E / G, Green Series (Continued)

Bushing style A

single & double pole

MPA106D

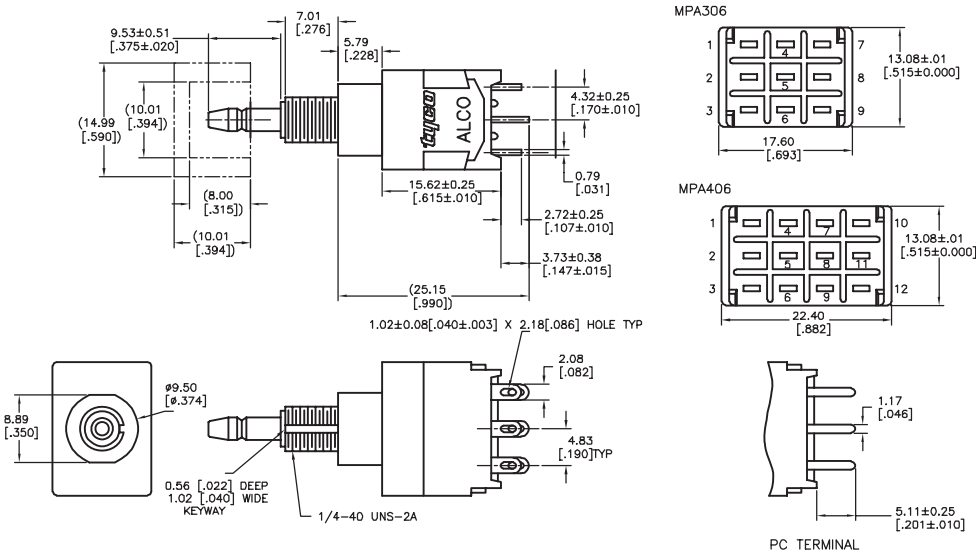
MPA206N



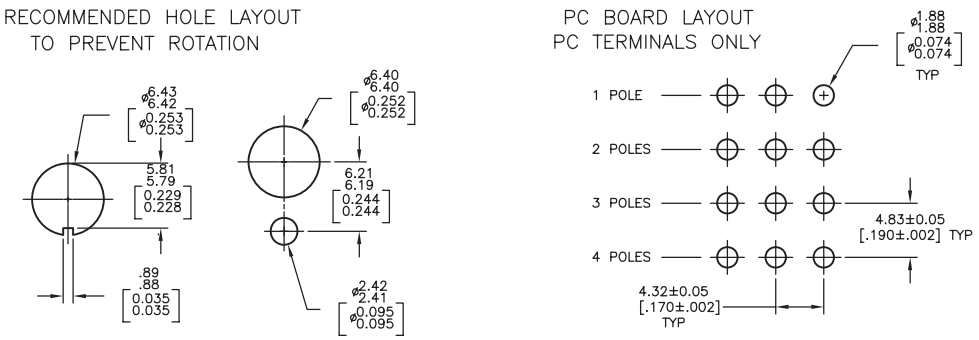
3 & 4 pole

MPA306D

MPA406N



mounting



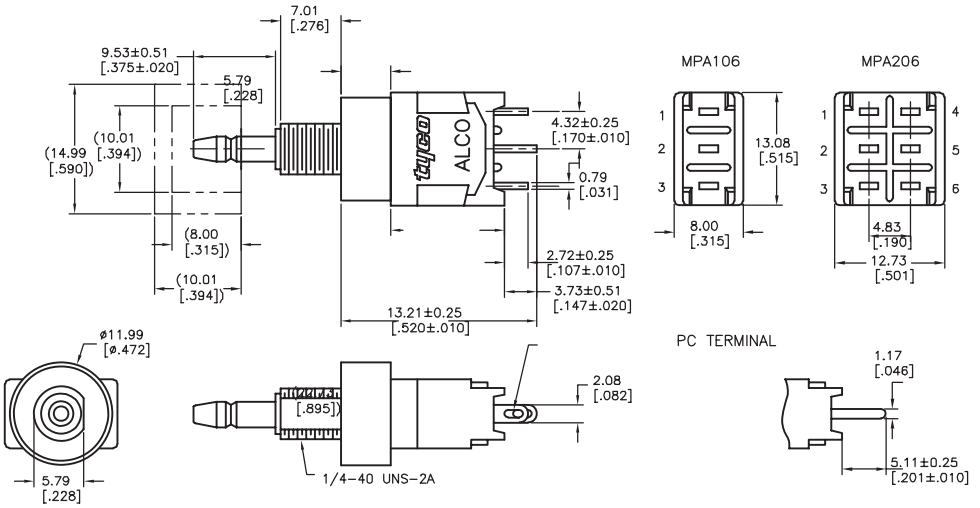
MP / A / E / G, Green Series (Continued)

Bushing style E

single & double pole

MPE106D

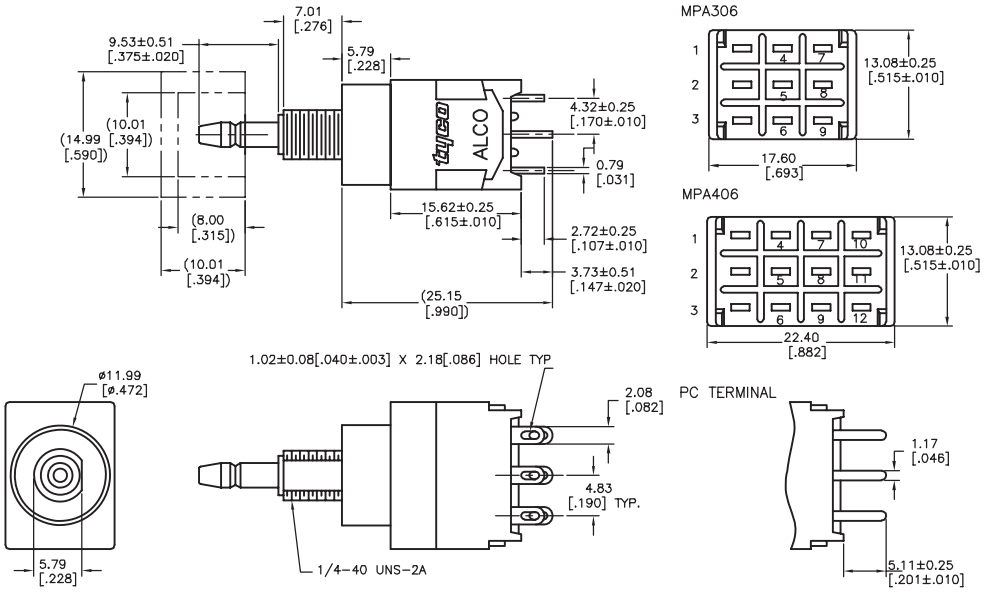
MPE206N



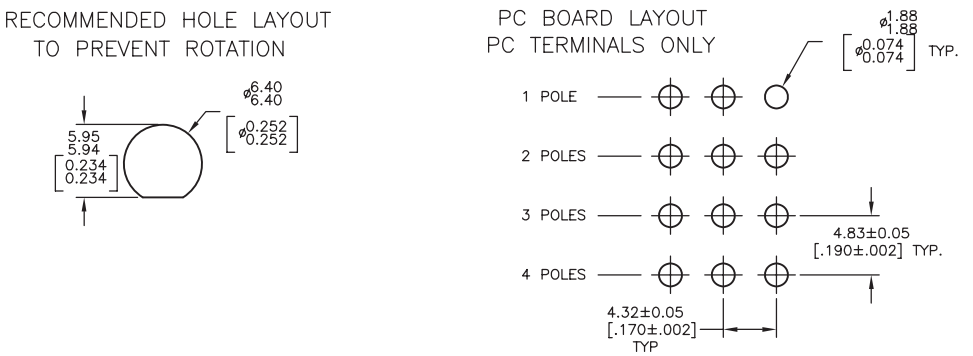
3 & 4 pole

MPE306F

MPE406N



mounting



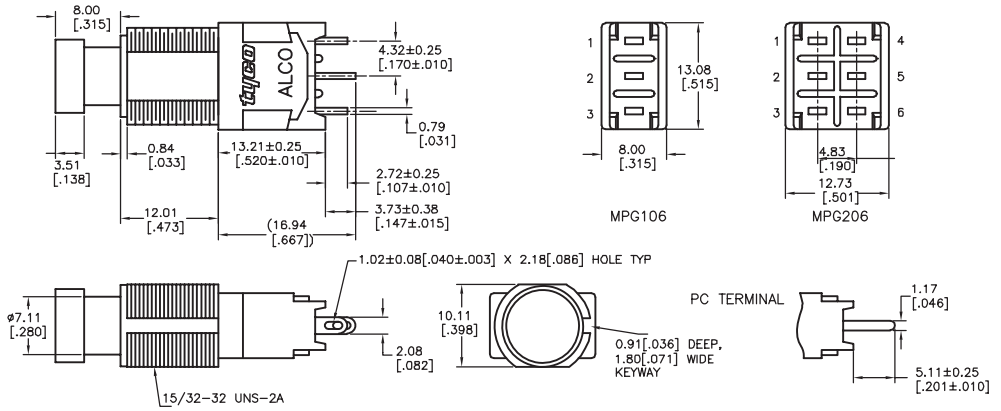
MP / A / E / G, Green Series (Continued)

Bushing style G

single & double pole

MPG106D

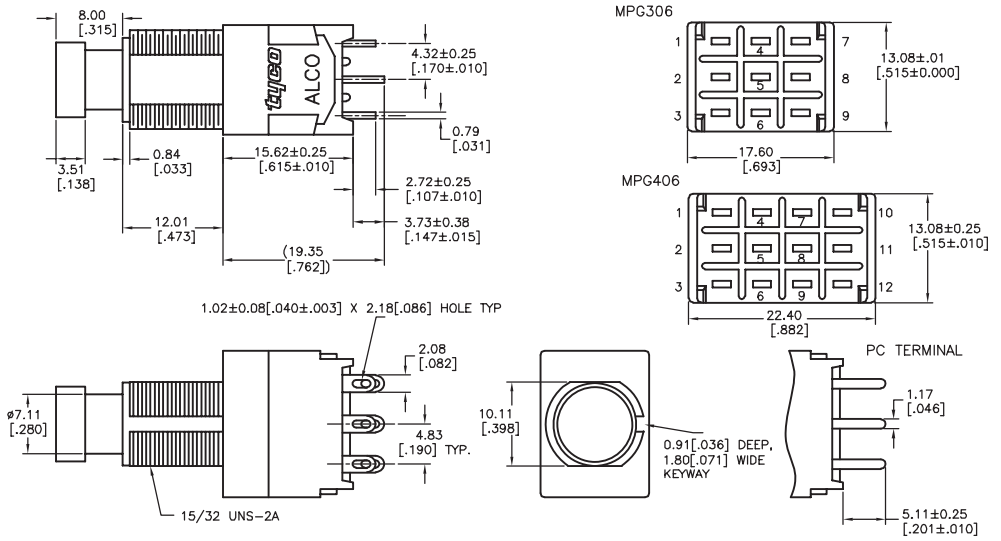
MPG206NPC



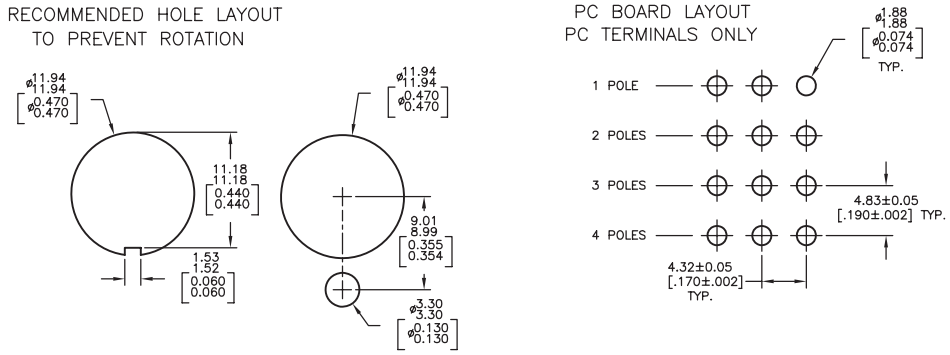
3 & 4 pole

MPG306D

MPG406N



mounting



MP / A / E / G, Green Series (Continued)

Function

Fct.	Poles				
D	1	On	On	2-1	2-3
F	1	On	(On)	2-1	2-3
N	2	On	On	2-1, 5-4	2-3, 5-6
R	2	On	(On)	2-1, 5-4	2-3, 5-6
D	3	On	On	2-1, 5-4, 8-7	2-3, 5-6, 8-9
F	3	On	(On)	2-1, 5-4, 8-7	2-3, 5-6, 8-9
N	4	On	On	2-1,5-4,8-7,11-10	2-3,5-6,8-9,11-12
R	4	On	(On)	2-1,5-4,8-7,11-10	2-3,5-6,8-9,11-12

Off indicates a mechanical position with no electrical connection
(On) indicates momentary connection

Product key	Bushing	No. of poles	Rating	Function	Terminals	Material	Part Number
MPA106D04	1/4-40	single pole	6 Amps	push-on/push-off	wire lug	RoHS	**1825040-1**
MPA106F04	3.4mm			momentary		compliant	**1825040-2**
MPA106DPC04	actuator			push-on/push-off	pcb		**1825040-3**
MPA106FPC04				momentary			**1825040-4**
MPA206N04		double pole		push-on/push-off	wire lug		**1825040-5**
MPA206NPC04					pcb		**1825040-6**
MPA206R04				momentary	wire lug		**1825040-7**
MPA206RPC04					pcb		**1825040-8**
MPA306D04		3 poles		push-on/push-off	wire lug		**1825040-9**
MPA306F04				momentary			**1-1825040-0**
MPA406N04		4 poles		push-on/push-off			**1-1825040-1**
MPA406R04				momentary			**1-1825040-2**
MPE106D04	1/4-40	single pole		push-on/push-off			**1825041-1**
MPE106F04	3.4mm			momentary			**1825041-2**
MPE206N04	actuator	double pole		push-on/push-off			**1825041-3**
MPE206R04	with 'O' ring			momentary			**1825041-4**
MPE306D04		3 poles		push-on/push-off			**1825041-5**
MPE306F04				momentary			**1825041-6**
MPE406N04		4 poles		push-on/push-off			**1825041-7**
MPE406R04				momentary			**1825041-8**
MPG106D04	15/32-32	single pole		push-on/push-off			**1825042-1**
MPG106DPC04	large			push-on/push-off	pcb		1825042-2
MPG106F04	actuator			momentary	wire lug		**1825042-3**
MPG106FPC04					pcb		1825042-4
MPG206N04		double pole		push-on/push-off	wire lug		**1825042-5**
MPG206NPC04					pcb		**1825042-6**
MPG206R04				momentary	wire lug		**1825042-7**
MPG206RPC04					pcb		**1825042-8**
MPG306D04		3 poles		push-on/push-off	wire lug		**1825042-9**
MPG306F04				momentary			**1-1825042-0**
MPG406N04		4 poles		push-on/push-off			**1-1825042-1**
MPG406R04				momentary			**1-1825042-2**

Preferred parts in bold print