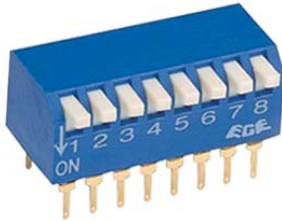




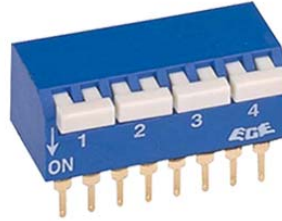
## EPH/EPG/EPS SERIES EDGE ACTUATED TYPE



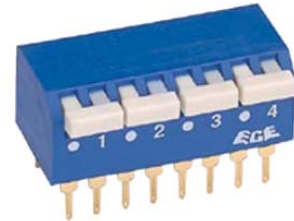
**EPH**  
**Housing Height 5mm Only!!**



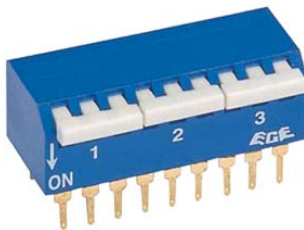
**EPG/EPS SPST**



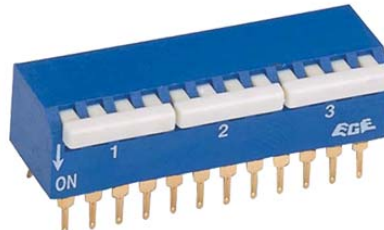
**EPG/EPS DPST**



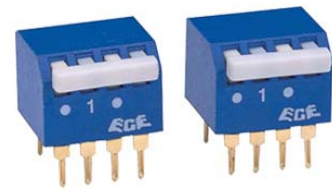
**EPG/EPS SPDT**



**EPG/EPS 3PST**



**EPG/EPS 4PST**



**EPG/EPS DPDT**

## ■ FEATURES

- Edge actuated type (Piano Type) easy setting on closely racked PCB.
- Tactile response is performed directly by larger contact pressure to ensure stable contact.
- All plastics are UL 94V-0 grade fire retardant.
- Bottom epoxy sealed to ensure free of flux immersion during wave soldering.
- Contact wiping on make and break.
- Gold or Tin plated contacts to ensure low contact resistance and long operation life.
- Ideal for data processing, communications, remote controls and burglar alarm system use, where manual programming required.
- RoHS Compliant

## ■ APPLICATIONS

- Numerical setting for computer terminal equipment
- Price setting for vending machines
- Programming for game machines
- Programming for industrial equipment and measuring instruments



## ■ SPECIFICATIONS

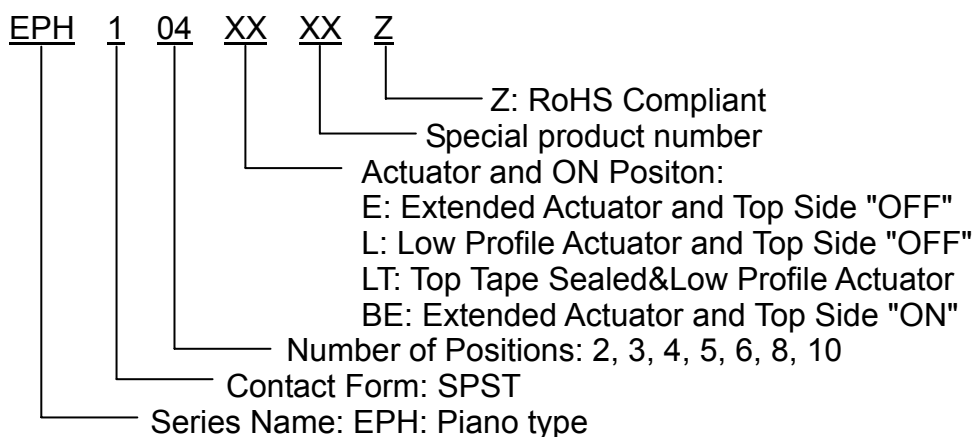
### 1.ELECTRICAL

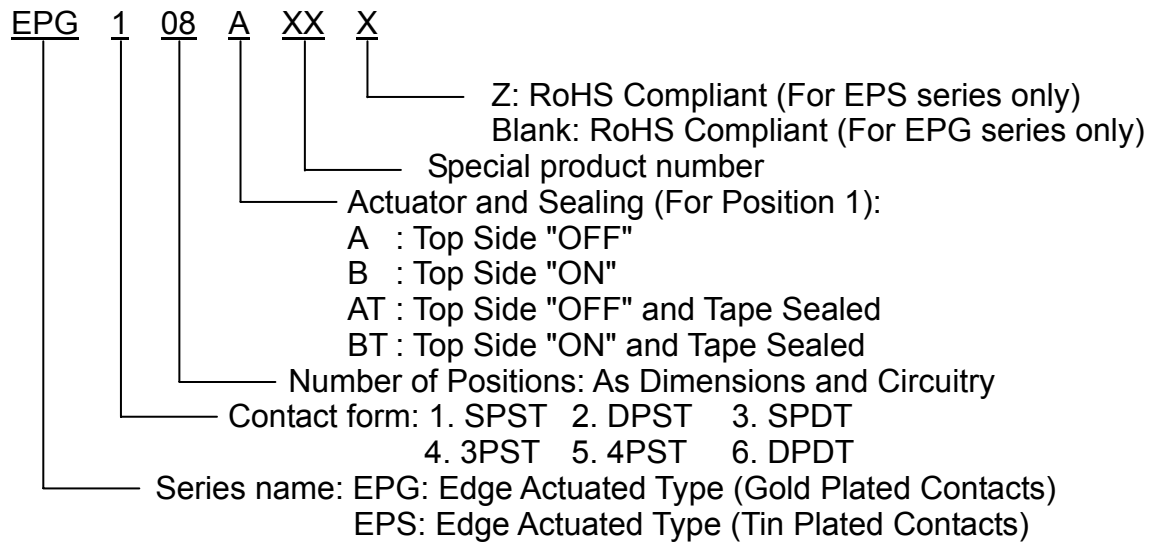
|                                                  |                                             |
|--------------------------------------------------|---------------------------------------------|
| ● Contact rating                                 |                                             |
| switching                                        | 25mA, 24VDC                                 |
| non-switching                                    | 100mA                                       |
| ● Contact resistance<br>(After life test)        | 100mΩ Max. (300mΩ Max. for Tin plated type) |
| ● Insulation resistance                          | 1000MΩ Min. at 100VDC                       |
| ● Dielectric strength                            | 500VDC Min. for 60 seconds                  |
| ● Leakage Current                                | 2mA Max.                                    |
| ● Capacitance between adjacent switches 5pF Max. |                                             |

### 2.MECHANICAL AND ENVIRONMENTAL

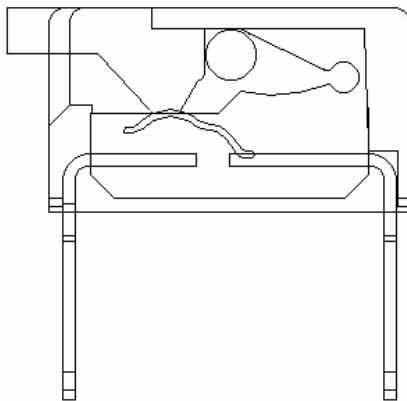
|                                |                                                    |
|--------------------------------|----------------------------------------------------|
| ● Temperature rating           |                                                    |
| operating                      | -40℃ to +85℃                                       |
| storage                        | -40℃ to +85℃                                       |
| ● Operation force              | 800g Max. (SPST only)                              |
| ● Mechanical life              | 1000 operations (EPH)<br>2000 operations (EPG/EPS) |
| ● Humidity                     | 95% RH, 40℃ for 96 Hrs.                            |
| ● Vibration                    | 10Hz-55Hz-10Hz for 6 Hrs.                          |
| ● Solderability                | After flux 245±5℃ for 5±1 seconds                  |
| ● Resistance to soldering heat | Solder bath:260±5℃ for 5±1 seconds                 |

## ■ PART NUMBERING SYSTEM

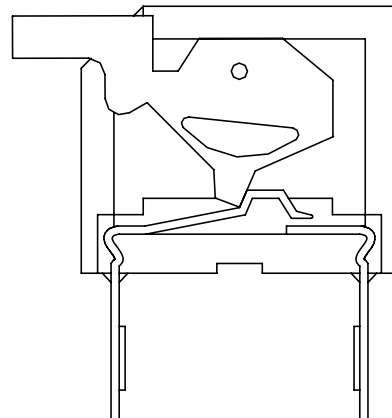




## ■ CONSTRUCTION



EPH

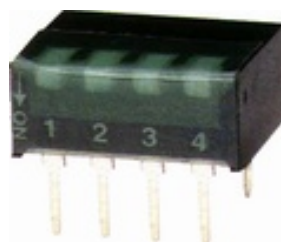


EPG/EPS

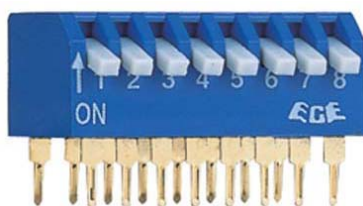
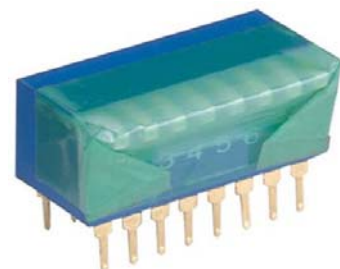
## ■ OPTIONS

- 1.Special top or side marking available
- 2.Blue or black body color
- 3.Normal "ON" (top side "ON") available
- 4.Tape sealed

EPHxxxLT

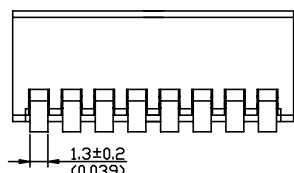


EPGxxxxT

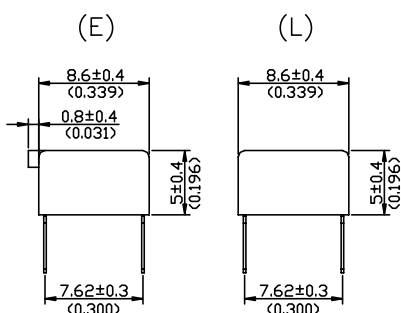
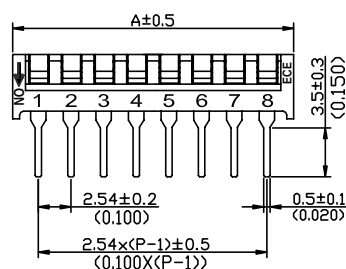


## DIMENSIONS AND CIRCUITRY

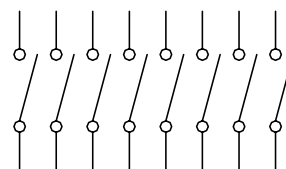
### EPH SERIES



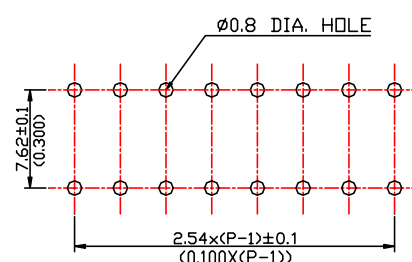
Actuator top side "OFF"



### CIRCUIT DIAGRAM



### P.C.B. LAYOUT (TOP VIEW)

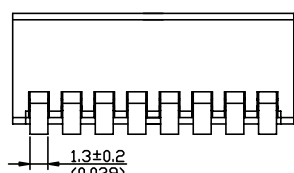


### DIMENSION A

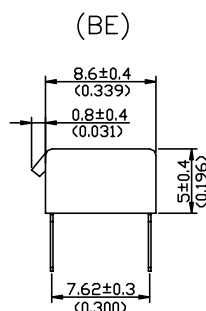
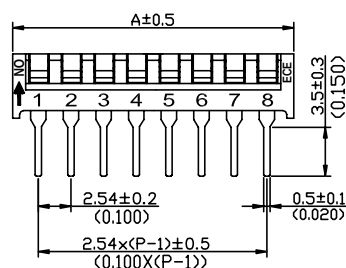
UNIT: mm(inch)

| POLE | 2              | 3              | 4               | 5               | 6               | 8               | 10              |
|------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| A    | 6.5<br>(0.256) | 9.0<br>(0.354) | 11.6<br>(0.457) | 14.1<br>(0.555) | 16.7<br>(0.657) | 21.7<br>(0.854) | 26.7<br>(1.050) |

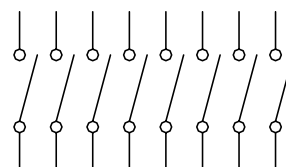
### EPH SERIES B TYPE



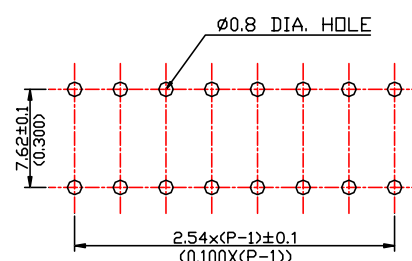
Actuator top side "ON"



### CIRCUIT DIAGRAM



### P.C.B. LAYOUT (TOP VIEW)

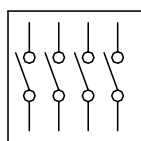
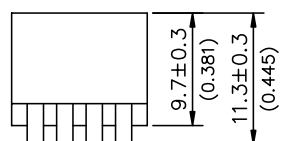


### DIMENSION A

UNIT: mm(inch)

| POLE | 2              | 3              | 4               | 5               | 6               | 8               | 10              |
|------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| A    | 6.5<br>(0.256) | 9.0<br>(0.354) | 11.6<br>(0.457) | 14.1<br>(0.555) | 16.7<br>(0.657) | 21.7<br>(0.854) | 26.7<br>(1.050) |

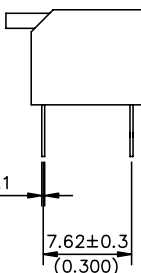
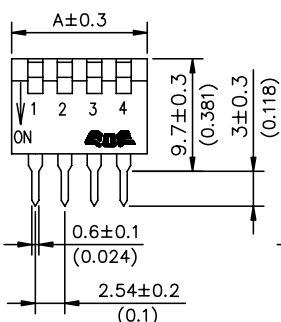
## EPG/EPS SPST SERIES



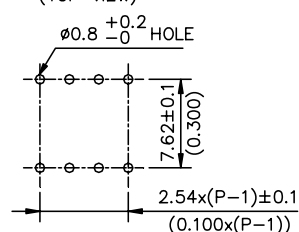
Dimension A

UNIT: mm(inch)

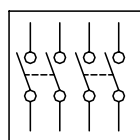
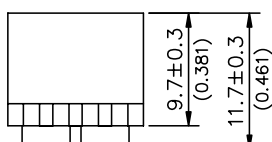
| Positions | 2               | 3               | 4               | 5               | 6               |
|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|
| A         | 6.7<br>(0.264)  | 9.2<br>(0.362)  | 11.7<br>(0.461) | 14.2<br>(0.559) | 16.7<br>(0.657) |
| Positions | 7               | 8               | 9               | 10              | 12              |
| A         | 19.2<br>(0.756) | 21.7<br>(0.854) | 24.4<br>(0.953) | 26.7<br>(1.05)  | 31.8<br>(1.25)  |



P.C.B. LAYOUT  
(TOP VIEW)



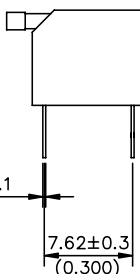
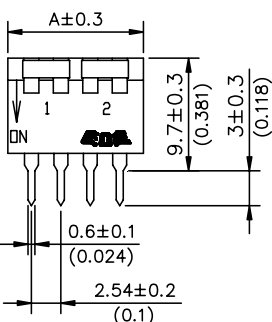
## EPG/EPS DPST SERIES



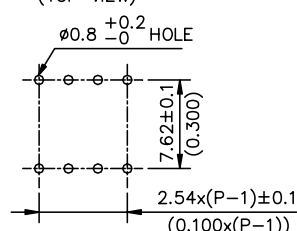
Dimension A

UNIT: mm(inch)

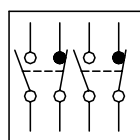
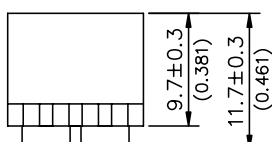
| Positions | 1               | 2               | 3               |
|-----------|-----------------|-----------------|-----------------|
| A         | 6.7<br>(0.264)  | 11.7<br>(0.461) | 16.7<br>(0.657) |
| Positions | 4               | 5               | 6               |
| A         | 21.7<br>(0.854) | 26.7<br>(1.05)  | 31.8<br>(1.25)  |



P.C.B. LAYOUT  
(TOP VIEW)



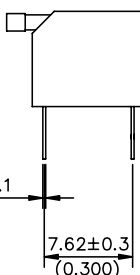
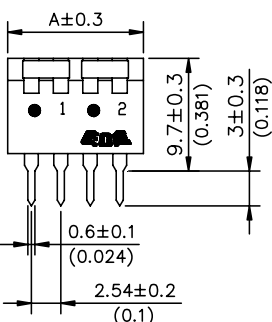
## EPG/EPS SPDT SERIES



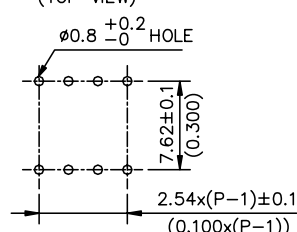
Dimension A

UNIT: mm(inch)

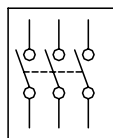
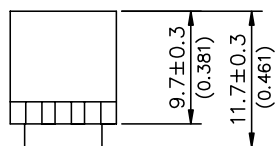
| Positions | 1               | 2               | 3               |
|-----------|-----------------|-----------------|-----------------|
| A         | 6.7<br>(0.264)  | 11.7<br>(0.461) | 16.7<br>(0.657) |
| Positions | 4               | 5               | 6               |
| A         | 21.7<br>(0.854) | 26.7<br>(1.05)  | 31.8<br>(1.25)  |



P.C.B. LAYOUT  
(TOP VIEW)

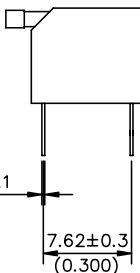
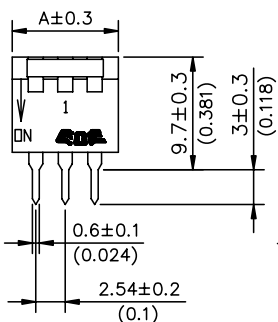


## EPG/EPS 3PST SERIES

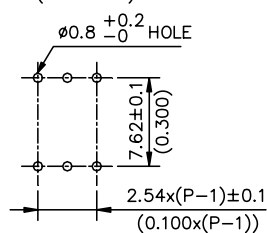


Dimension A UNIT: mm(inch)

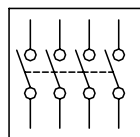
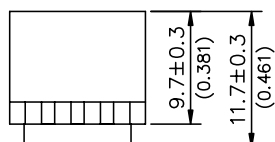
| Positions | 1              | 2               | 3               | 4              |
|-----------|----------------|-----------------|-----------------|----------------|
| A         | 9.2<br>(0.362) | 16.7<br>(0.657) | 24.2<br>(0.953) | 31.8<br>(1.25) |



P.C.B. LAYOUT  
(TOP VIEW)

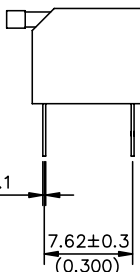
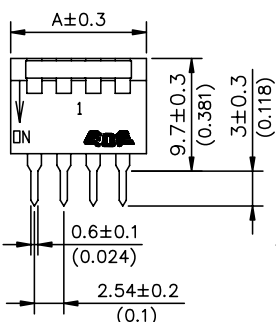


## EPG/EPS 4PST SERIES

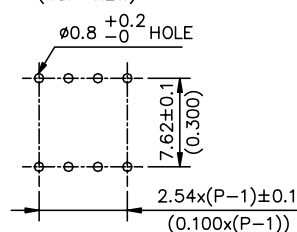


Dimension A UNIT: mm(inch)

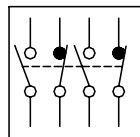
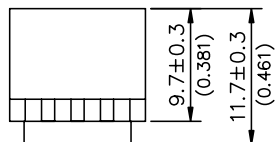
| Positions | 1               | 2               | 3              |
|-----------|-----------------|-----------------|----------------|
| A         | 11.7<br>(0.461) | 21.7<br>(0.854) | 31.8<br>(1.25) |



P.C.B. LAYOUT  
(TOP VIEW)

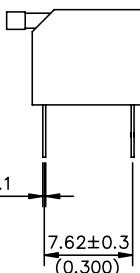
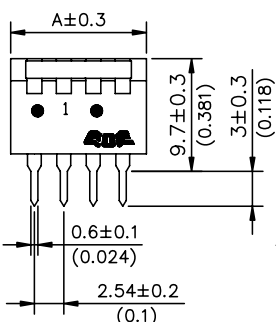


## EPG/EPS DPDT SERIES

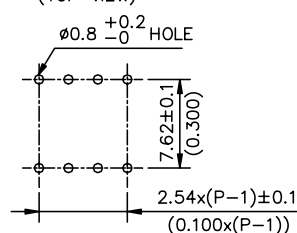


Dimension A UNIT: mm(inch)

| Positions | 1               | 2               | 3              |
|-----------|-----------------|-----------------|----------------|
| A         | 11.7<br>(0.461) | 21.7<br>(0.854) | 31.8<br>(1.25) |



P.C.B. LAYOUT  
(TOP VIEW)



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

***Click to view similar products for*** [DIP Switches/SIP Switches](#) ***category:***

***Click to view products by*** [Excel Cell Electronic\(ECE\)](#) ***manufacturer:***

Other Similar products are found below :

[79B10T](#) [8136-475G4T](#) [193005MS](#) [195010MS](#) [200183](#) [206002](#) [208004](#) [208007ST](#) [208008](#) [208012ST](#) [25.350.0653.0](#) [SDA10H1BDA](#)  
[97R06ST](#) [A2C-2A5](#) [1825444-7](#) [ADE12S04](#) [192960010](#) [206005RAS](#) [206007](#) [209005LPST](#) [2-1825058-8](#) [219002LPST](#) [219002MSTJRF](#)  
[219012MST](#) [25.352.0353.0](#) [CXDRIVEV2X](#) [LA2-002-DC24](#) [DSR02T](#) [193004MS](#) [E2FMX2D1M1TGJ03M](#) [NDI10H](#) [219008LPSTR](#)  
[206010RAST](#) [76SB05](#) [TD06H0SK1](#) [Z7.255.9027.0](#) [1-1825058-3](#) [1825428-4](#) [E3ZG6111D03M](#) [G4D212PUSTV2DC5](#) [HARW0002](#) [NDI10S](#)  
[EPG301BT06](#) [1-1825058-6](#) [E3TSL23M5J03M](#) [HARW0001](#) [ADE07S04](#) [206005](#) [206006](#) [206010](#)