

## METAL PUSHBUTTON SWITCHES • DIA. 16MM

### DISTINCTIVE FEATURES

modern & compact design

**IP67**

Illuminated versions

momentary or latched action

highly versatile



### ELECTRICAL SPECIFICATIONS

Max current with resistive load : 2A / 36Vdc

Electrical lifecycle :

Momentary action : 500.000 cycles at full load

Alternate : 100.000 cycles at full load

Insulation resistance : 1 GΩ mini, DC500V

Dielectrical strength : 2000V RMS

Initial contact resistance : 50mΩ max

Contact type : NO

Led typical lifespan : 40.000 hours

Led max current : 20mA

### ENVIRONMENTAL SPECIFICATIONS

Operating temperature range : -20°C à +70°C

Protection degree : IP67

IEC60947-5-1 compliant

### MECHANICAL SPECIFICATIONS

Actuation force : 4,5 Newtons ±1,5N

Travel : 2 mm ±0,2mm

Contact bounce : 10ms

Mechanical lifecycle : 1.000.000 cycles

Materials :

Contact base : PBT - UL94V0

Contact : silver alloy

Body : aluminum alloy

Key : aluminum alloy

Terminals : gold plated copper

Fils : stranded AWG20, 0,6mm<sup>2</sup> UL approved

### GENERAL SPECIFICATIONS

Typical installation size : 16 mm

Max. panel thickness : 8,00 mm

Max. torque applied to the nut : 11,54 Kg.f/cm

Soldering profile : 300°C max. for 5 seconds



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## BUILD YOUR PART NUMBER

Diagram illustrating the part number structure for Eagle Series Metal Pushbutton Switches, showing the breakdown of the part number EA16EZJ A2B12 into its constituent options.

**Series:** EA

**Diameter:** 16

**Button tube:** E

**Action:** Z

**Connection:** J

**Material:** A2

**Led Color:** B

**Led Power:** 12

**INSTALLATION DIAMETER**

16 Dia. 16 mm, IP67

**Button Version**

E Domed, illuminated ring  
P Domed, *Power-On* illuminated logo  
H High-round, no illumination

**ACTIONNEMENT**

- Momentané  
Z Maintenu

**CONNECTION**

J Solder terminals  
F1 Soldered wires 500mm<sup>1</sup>

**MATERIAL**

A Black anodized aluminum  
A2 Neutral anodized aluminum

**LED POWER SUPPLY**

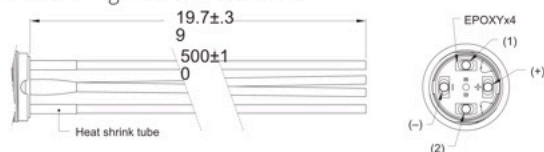
- No illumination  
3 3 Vdc (without resistor)  
6 6 Vdc (180 Ω)  
12 12 Vdc (470 Ω)  
24 24 Vdc (1000 Ω)

**LED COLOR**

- No illumination  
R Red  
G Green  
Y Yellow  
B Blue  
W White  
RG Red & Green  
RB Red & Blue  
BW Blue & White  
RGB Red/Green/Blue

## ABOUT THIS RANGE

<sup>1</sup> Fully customizable wiring with connectors etc...



### Non-LED

DESCRIPTION	WIRE COLOR
TERMINAL 1	BLACK
TERMINAL 2	BLACK

### With LED

DESCRIPTION	WIRE COLOR
TERMINAL 1	BLACK
TERMINAL 2	BLACK
LED+	RED
LED-	GREEN

Our pushbutton switches are delivered with their nickel plated brass hex nuts as well as their gasket.

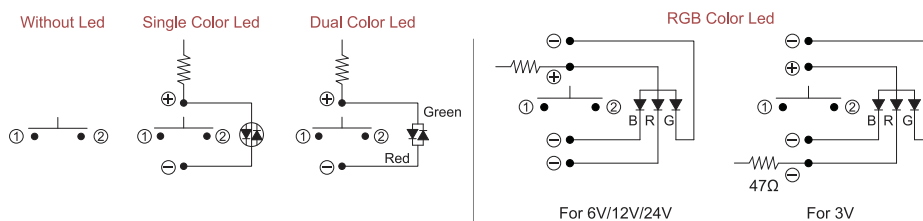
⚠ SOME CONFIGURATIONS MIGHT NOT BE AVAILABLE OR SUBMITTED TO M.O.Q.

FOR ALL YOUR CUSTOM REQUESTS, CONTACT US !  
sales@hynoppe.com

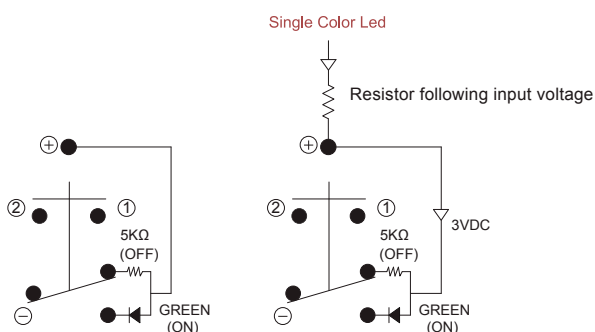


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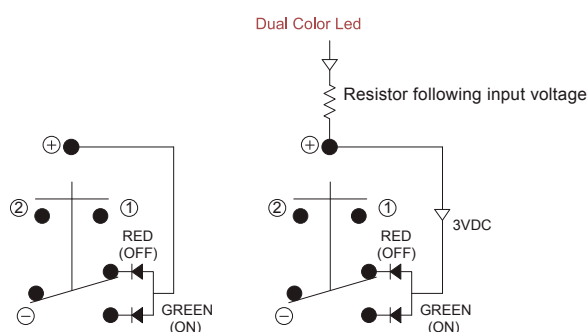
## ELECTRICAL SCHEMES MOMENTARY VERSION



## ALTERNATE VERSION



Note: Push-OFF, LED OFF  
Push-ON, LED ON (Latching)



Note: Push-OFF, Red LED ON  
Push-ON, Green LED ON (Latching)

## CONFIGURATION EXAMPLES

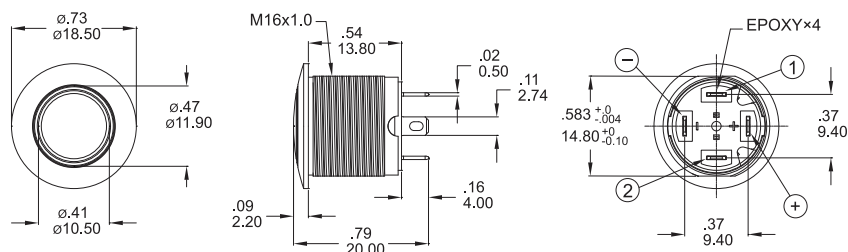
### DOMED BUTTON - ILLUMINATED - NO - MOMENTARY



#### EA16EJA2••

Neutral anodized aluminum,  
momentary, solder terminals

\* please choose LED color and voltage in Build your part number section,



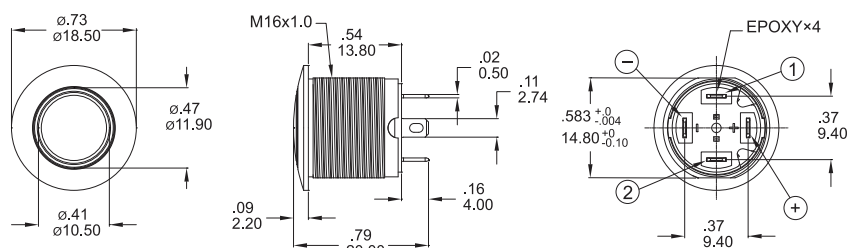
### DOMED BUTTON - ILLUMINATED - NO - MOMENTARY



#### EA16EJA••

Black anodized aluminum,  
momentary, solder terminals

\* please choose LED color and voltage in Build your part number section,





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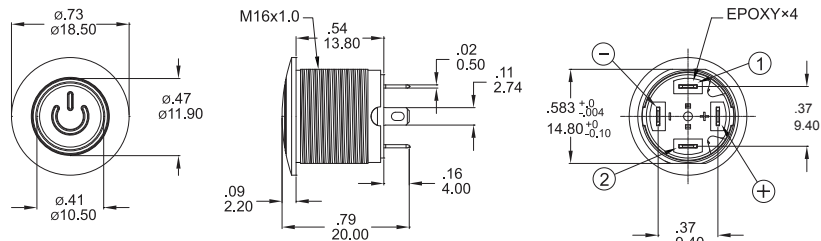
## DOMED BUTTON - ILLUMINATED LOGO - NO - MOMENTARY



### EA16PJA22

Black anodized aluminum,  
momentary, solder terminals

\* please choose LED color and voltage in Build your part number section,

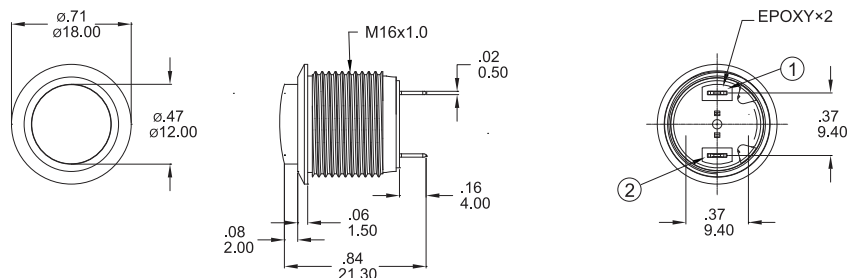


## HIGH ROUND BUTTON - NON ILLUMINATED - NO - MOMENTARY



### EA16HJA2

Black anodized aluminum,  
momentary, solder terminals



## DOMED BUTTON - ILLUMINATED RING - NO - ALTERNATE



### EA16EZJA22

Natural anodized aluminum,  
alternate, solder terminals

\* please choose LED color and voltage in Build your part number section,

