cᴿᵁus RoHS COMPLIANT

Specifications

Electrical Ratings	3A @ 125VAC, 65˚C, 50K cycles 3A @ 250VAC, 65˚C, 50K cycles	Actuation Force	200 ±50gF SPDT 250 ±50gF DPDT
Sealing Degree	IP67	Actuation Travel	3.2 ± .25mm
Electrical Life	50,000 cycles typical	Dielectric Strength	2,000Vrms min between contacts
Mechanical Life	1,000,000 cycles typical momentary 500,000 cycles typical latching	Insulation Resistance	≥ 1,000MΩ min @ 500VDC
		Operating Temperature	-20ºC to 65ºC
Contact Resistance	≤ 50mΩ initial	Storage Temperature	-20ºC to 65ºC

Materials

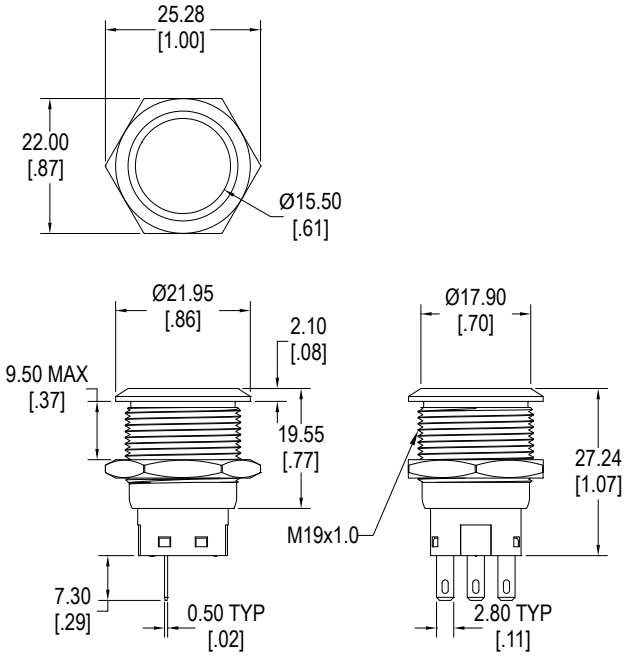|	
Actuator	Stainless Steel, Anodized Aluminum
LED Lens	Polycarbonate (PC)
Threaded Body	Stainless Steel, Anodized Aluminum
Terminal Support	Polybutylene Terephthalate (PBT)
Inner Switch Body	Polybutylene Terephthalate (PBT)
Contacts	Silver plated Copper Alloy
Terminals	Silver plated Copper Alloy
Hardware	One Hex Nut & One "O" Ring Supplied

Ordering Information

1. Series	AHU	1	N	B	S	R	12
AHU							

2. Number of Poles
1 = SPDT
2 = DPDT

3. Latching Option
N = Momentary
L = Latching

4. Actuator Style:
A = Flush actuator, non-illuminated
B = Flush actuator, ring illuminated
C = Flush actuator, dot illuminated
K = Flush actuator, international standby symbol illuminated

5. Switch Finish
S = Stainless Steel
B = Black Anodized Aluminum

6. LED Color
Z = No LED   G = Green
R = Red   B = Blue
Y = Yellow   W = White

7. LED Voltage
Z = No LED   110 = 110V
6 = 6V   220 = 220V
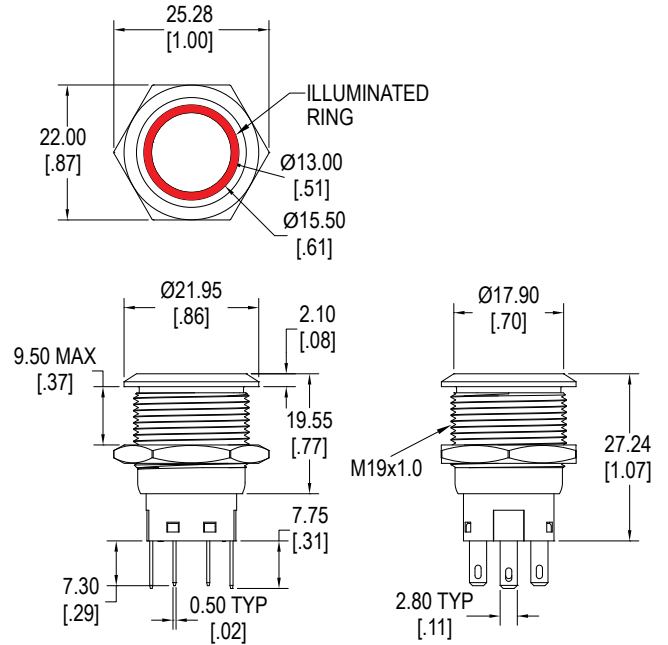12 = 12V   N = No internal resistor in series with the LED
24 = 24V

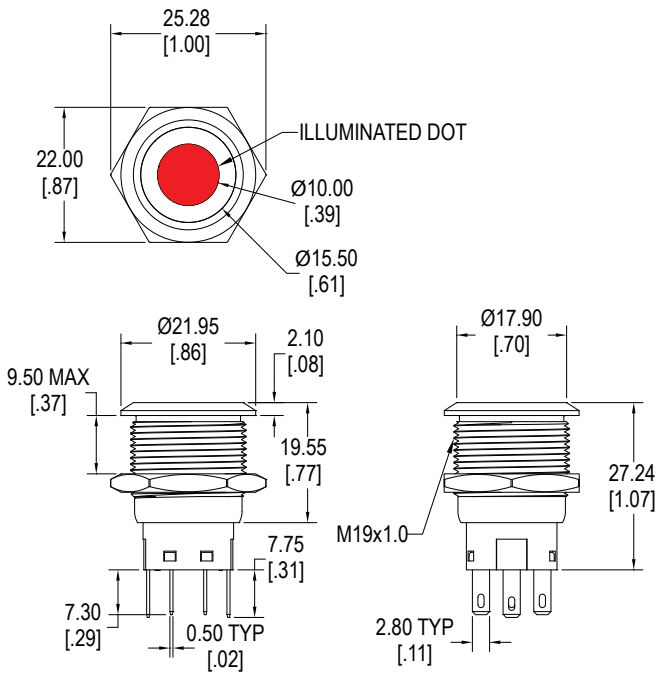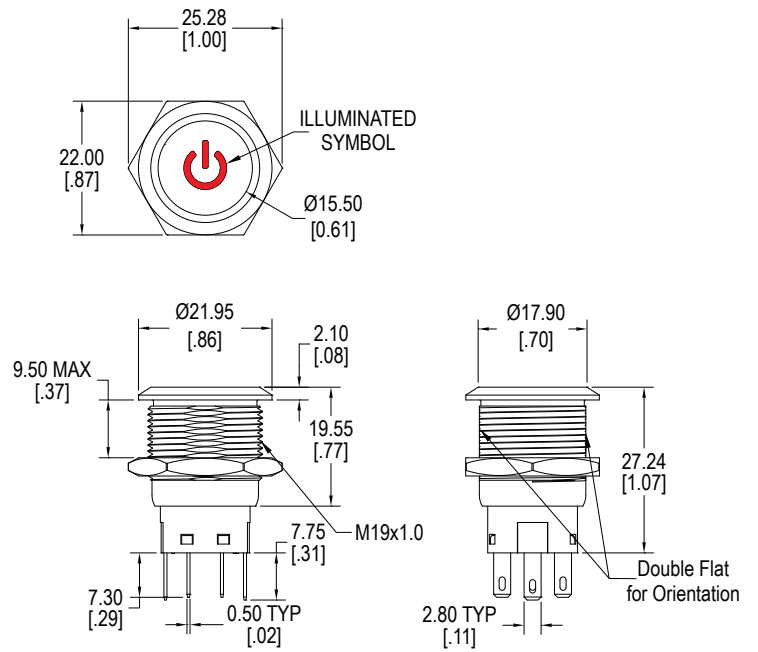OPTIONAL Socket Housing available

Dimensions are shown for reference purposes only.
Specifications and availability subject to change without notice.
AHU Rev C 10/2022

1 of 4

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sales@CITRelay.com

Dimensions

A Actuator

25.28
[1.00]

22.00
[.87]

Ø15.50
[.61]

Ø21.95
[.86]

2.10
[.08]

9.50 MAX
[.37]

19.55
[.77]

M19x1.0

7.30
[.29]

0.50 TYP
[.02]

Ø17.90
[.70]

27.24
[1.07]

2.80 TYP
[.11]

B Actuator

25.28
[1.00]

22.00
[.87]

ILLUMINATED RING

Ø13.00
[.51]

Ø15.50
[.61]

Ø21.95
[.86]

2.10
[.08]

9.50 MAX
[.37]

19.55
[.77]

7.75
[.31]

7.30
[.29]

0.50 TYP
[.02]

Ø17.90
[.70]

M19x1.0

27.24
[1.07]

2.80 TYP
[.11]

C Actuator

25.28
[1.00]

22.00
[.87]

ILLUMINATED DOT

Ø10.00
[.39]

Ø15.50
[.61]

Ø21.95
[.86]

2.10
[.08]

9.50 MAX
[.37]

19.55
[.77]

7.75
[.31]

7.30
[.29]

0.50 TYP
[.02]

Ø17.90
[.70]

M19x1.0

27.24
[1.07]

2.80 TYP
[.11]

K Actuator

25.28
[1.00]

22.00
[.87]

ILLUMINATED SYMBOL

Ø15.50
[0.61]

Ø21.95
[.86]

2.10
[.08]

9.50 MAX
[.37]

19.55
[.77]

7.75
[.31]

7.30
[.29]

0.50 TYP
[.02]

M19x1.0

Ø17.90
[.70]

27.24
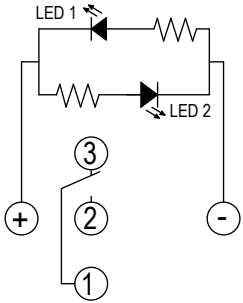[1.07]

Double Flat for Orientation
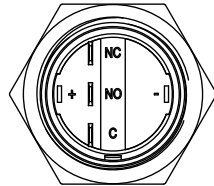
2.80 TYP
[.11]

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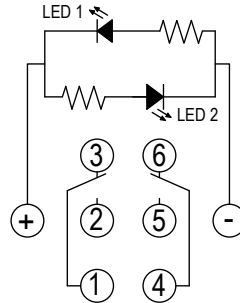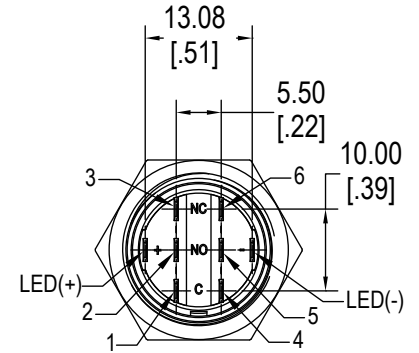sales@CITRelay.com
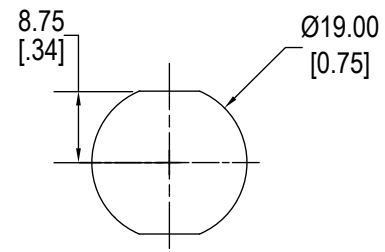
Schematics

Single Pole

Bottom View
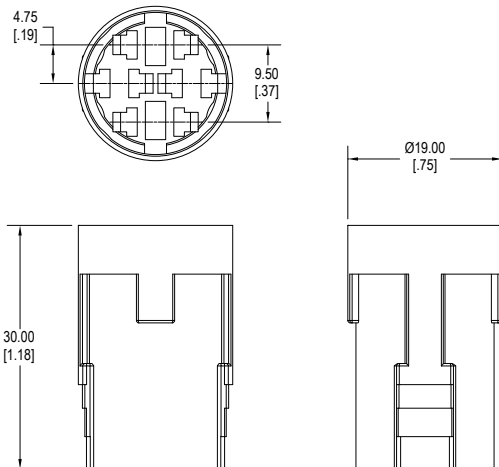
Double Pole

Bottom View

Panel Cut-Out

A, B, C Actuators

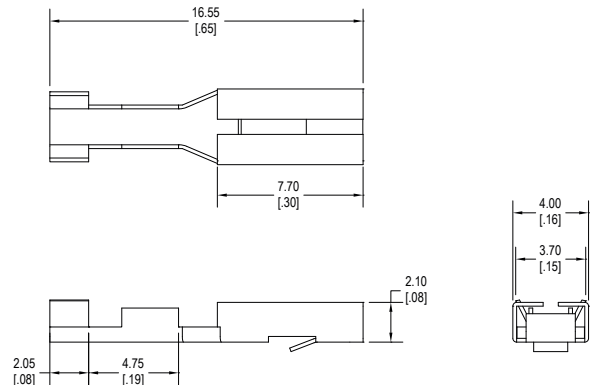Ø19.00
[.75]

K Actuator

8.75
[.34]

Ø19.00
[0.75]
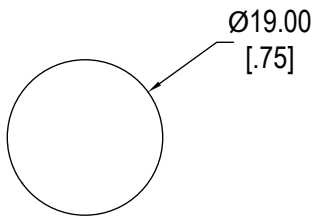
Optional Socket Housing

SS2002

4.75
[.19]

9.50
[.37]

Ø19.00
[.75]

30.00
[1.18]

SS Terminal
for use with wire size 18AWG to 24AWG

16.55
[.65]

7.70
[.30]

4.00
[.16]

3.70
[.15]

2.10
[.08]

2.05
[.08]

4.75
[.19]

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LED Characteristics

LED Ratings		Color					
		R	Y	G	B	W	Units
Reverse Voltage	V_R	5	5	5	5	5	V
Forward Current (peak)	I_{FS}	120	120	160	160	160	mA
Reverse Current V_R = 5V	I_R	10	10	10	10	10	µA
Power Dissipation	P_T	80	80	120	120	120	mW
Forward Voltage (typ) I_F = 20mA	V_F	2.1	2.1	3.3	3.3	3.0	V
Luminous Intensity, I_F = 20mA	LI	120	120	170	100	700	mcd

Custom Capabilities Contact Factory

Cable Assemblies

Shine Through Symbols

Custom Laser Etching

Custom Plastic Convex Actuators