RoHS Compliant

CIT RELAY & SWITCH™
Division of Circuit Interruption Technology, Inc.

AS

Illuminated Indexing Switch

Specifications

Electrical Ratings	1A @ 24VDC 1A @ 125VAC 0.5A @ 250VAC
Sealing Degree	IP65 standard
Electrical Life	50,000 cycles typical
Contact Resistance	≤ 50mΩ initial

Dielectric Strength	2000Vrms min contact to contact
Insulation Resistance	≥ 100MΩ min
Operating Temperature	-25ºC to 55ºC
Storage Temperature	-25ºC to 55ºC

Materials

Actuator	Stainless Steel
LED Lens	Polycarbonate (PC)
Threaded Body	Stainless Steel
Polymer Housing	Polybutylene Terephthalate (PBT)
Contacts	Silver Alloy rivet
Terminals	Cooper Alloy, Silver plated
“O” Ring	Buna-N
Hex Nut	Brass, Nickel plated

Ordering Information

1. Series	AS	C	S	RB	12	S

1. Series
AS

2. Switch Function
A = SPDT - 90° Indexing (On - On)
B = DPDT - 90° Indexing (On - On)
C = DPDT - 45° Indexing (On - On - On)

3. Switch Finish
S = Stainless Steel

4. LED Color

X = No LED	RO = Red / Orange dual LED	YG = Yellow / Green dual LED
R = Red	RY = Red / Yellow dual LED	YB = Yellow / Blue dual LED
Y = Yellow	RG = Red / Green dual LED	BG = Blue / Green dual LED
G = Green	RB = Red / Blue dual LED	
B = Blue	OY = Orange / Yellow dual LED	
W = White	OG = Orange / Green dual LED	
O = Orange	OB = Orange / Blue dual LED	

5. LED Voltage

X = No LED	24 = 24V	N = No internal resistor in series with the LED
6 = 6V	110 = 110V	
12 = 12V	220 = 220V	

6. Sealing
S = IP65 (standard)

Dimensions shown in mm. Dimensions are shown for reference purposes only.

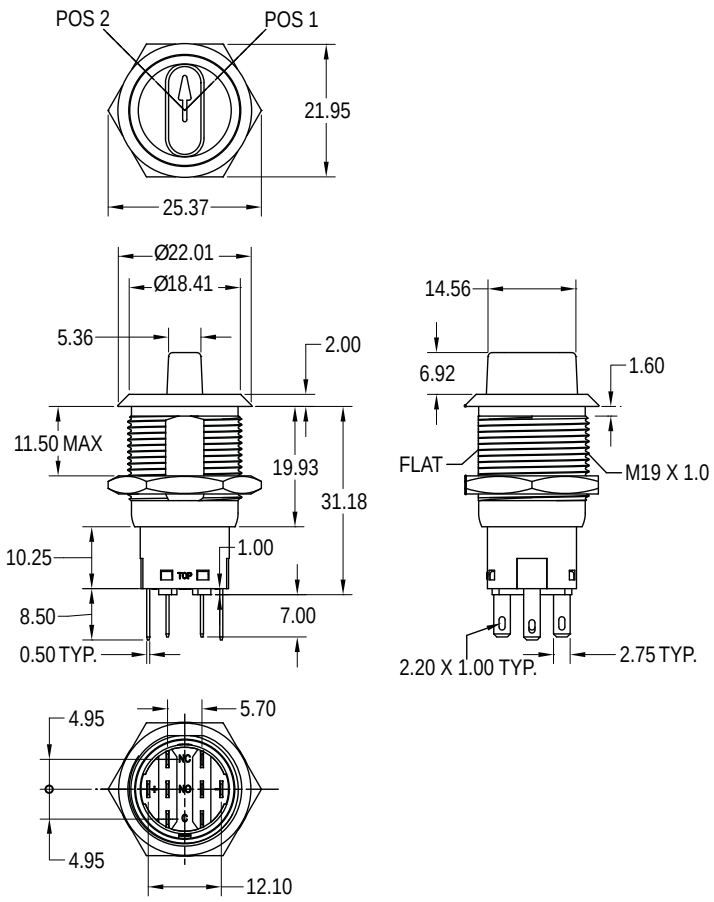
Specifications and availability subject to change without notice.

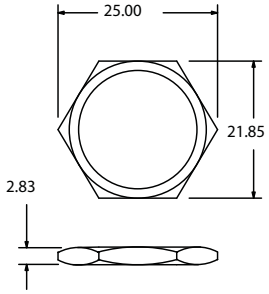
CIT RELAY & SWITCH™
Division of Circuit Interruption Technology, Inc.

AS

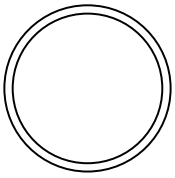
Indexing Switch

Dimensions

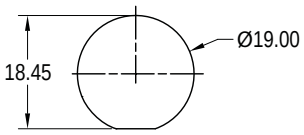




1 Each Hex Nut supplied

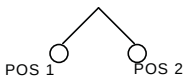
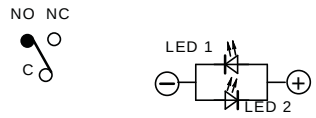
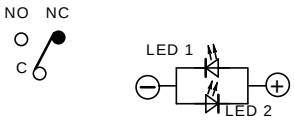
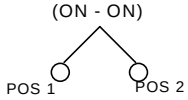
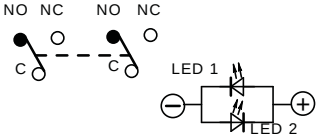
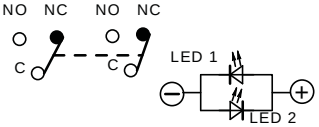
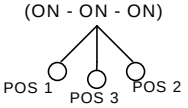
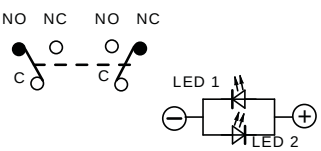
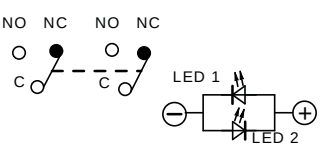
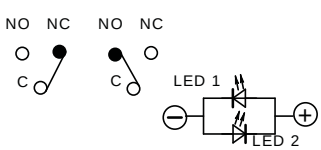


1 Each "O" Ring supplied



Panel Cut-Out

Schematics

SWITCH FUNCTION -TOP VIEW	POS. 1 - BOTTOM VIEW	POS. 3 - BOTTOM VIEW	POS. 2 - BOTTOM VIEW
A SPDT 90° Indexing (ON - ON) 		NONE	
B DPDT 90° Indexing (ON - ON) 		NONE	
C DPDT 45° Indexing (ON - ON - ON) 			

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.

LED Characteristics

LED Ratings		Color						
		R	Y	G	B	O	W	Units
Reverse Voltage	V_R	5	5	5	5	5	5	V
Forward Curent (avg)	I_F	25	25	30	30	25	30	mA
Forward Current (peak)	I_{FS}	120	120	160	160	120	160	mA
Reverse Current V_R = 5V	I_R	10	10	10	10	10	10	µA
Forward Voltage (typ) I_F = 20mA	V_F	2.1	2.1	3.3	3.3	2.0	3.0	V
Forward Voltage (max) I_F = 20mA	V_F	2.4	2.5	3.6	3.6	2.3	3.6	V
Luminous Intensity, I_F = 20mA	LI	120	120	170	100	120	700	mcd