OptoSupply
Light It Up

12mm Metal Push-button Switch White LED

OSW12F12-T

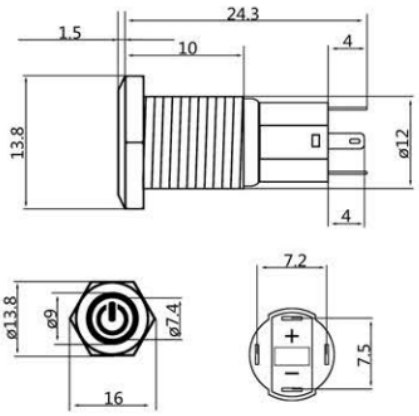
▪Description

- Mounting hole size: 12mm
- LED light color: White
- LED type: Bi-directional LED lamp beads (AC/DC)
- Protection level: IP65/IK09
- Switch combination: 1NO
- Operation type: Self-locking
- Shell material: Nickel plated brass
- Base material: Engineering plastics

▪Product Picture



▪Outline Dimension



Unit:mm

Tolerance:±0.30mm

▪Applications

- Industrial Automation Equipment
- Vehicle and Transportation Equipment
- Home Appliance and Commercial Equipment

▪Switching Structure Description

Type	Symbol	Schematic Diagram
1NO		

*Description: Double-break slow-moving contact switch with two terminals

▪Absolute Maximum Rating

Item	Value
Rated insulation voltage	AC 250V
Heating current	3A
Rated voltage	DC 12-24V
Resistive load	2-3A
Inductive load	0.8-1.2A
Contact resistance	≤50mΩ
Insulation resistance	≥1000MΩ
Insulation strength	1000V AC
Operation stroke connected about	0.9mm
Total travel about	2.5mm
Operating temperature	-30 ~ +55℃
Storage temperature	-30 ~ +55℃

▪LED Electrical -Optical Characteristics (Ta=25℃)

V_F (V)			I_F (mA)			Iv(mcd)			CCT(K)			2θ1/2(deg)
						V_F =18V						
Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
12	18	24	9	15	20	1000	1800	3000	10000	14000	20000	120