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TOOWEI

About TOOWEI

Founded in 2005, TOOWEI has over 20 years of experience in the design and manufacturing of control switches and panel components. Our core product range includes toggle switches, push button switches, indicator lights and key switches, serving a wide variety of equipment and control applications.

With established manufacturing capabilities and a strong focus on product consistency, we support both standard products and customized solutions for different project requirements. Custom options include switch functions, terminals, wiring, colors and other product configurations.

Through continuous product development, quality control and responsive project support, TOOWEI works closely with OEM customers across global markets, providing practical and reliable switching solutions for equipment manufacturers and system integrators.

2005

Founded

20+ Years

Manufacturing Experience

Customization

Functions · Terminals · Wiring

Global OEM Support

Across Global Markets

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T100 Series

Toggle Switch

CE

RoHS

- Rating value: 5A 250VAC / 8A 125VAC
- Mechanical life: 50,000 cycles min.
- Electrical life: 20,000 cycles min.
- Contact resistance: ≤50mΩ
- Temperature: -25°C to +85°C
- Humidity: 85% RH below
- Dielectric strength: 500V RMS (Min)
- Mechanical strength: (0.5 ± 0.04) N·m impact energy



Build Your Part Number

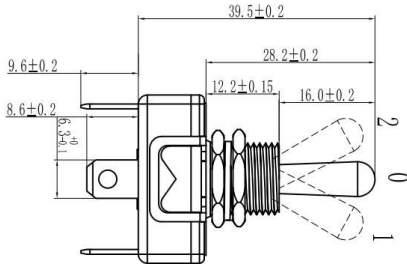
T10	—	1	—	C	—	T
Series		Number of Poles		Function		Terminal
T10		1: Single Pole		C: ON-OFF-ON		T: Quick-Connect 6.3 × 0.8 mm

Accessories: Hex nut ×2 pc; spring washer ×1 pc



T100 Series Panel Mount Toggle Switch is a low-current SPDT toggle switch designed for control panels, instruments, electronic equipment, and auxiliary control circuits. With a standard 12mm panel mounting design, it provides easy installation and reliable manual operation in compact control assemblies. The switch supports ON-OFF-ON function and is rated 5A 250VAC / 8A 125VAC, making it suitable for signal control, function selection, and light-duty electrical switching applications. It features 6.3mm quick-connect terminals for convenient wiring, silver-plated contacts for stable conductivity, and a brass nut for secure panel fixing. CE and RoHS compliance make it a practical choice for OEM equipment and industrial control products requiring a compact, standard panel-mount toggle switch.

Dimensional Drawing



T500 Series

Sealed Toggle Switch



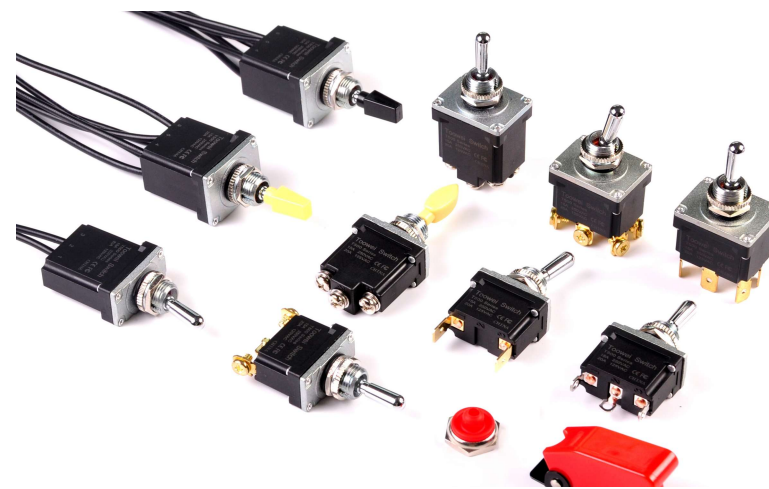
IP68

CE

FCC

RoHS

- Rating value: 15A 250VAC / 20A 125VAC
- Customizable: 20A 250VAC / 25A 125VAC
- Mechanical life: 50,000 cycles min.
- Electrical life: 20,000 cycles min.
- Operating force: 6–12 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$ (Min)
- Ambient temperature: -25°C to $+85^{\circ}\text{C}$
- Humidity: 85% RH below
- Dielectric strength: 500V RMS (Min)
- Mechanical strength: $(0.5 \pm 0.04) \text{ N}\cdot\text{m}$ impact energy
- Contact resistance: $\leq 50\text{m}\Omega$



APPLICATIONS

- Aerial platform lifts
- Platform lifts for trucks
- Industrial equipment
- Railway
- Construction equipment
- Agricultural machinery
- Construction Machinery
- Vehicle

DESCRIPTION

The T500 Series sealed toggle switch is engineered for demanding environments. Its robust construction incorporates seals between the lever and bushing, as well as between the cover and housing. With an IP68 protection rating, a corrosion-resistant brass lever, and a durable flame-retardant nylon housing, this professional-grade toggle switch is ideal for dusty, wet, and other harsh operating conditions. The toggle switches are offered in both standard toggle lever and lever lock versions.

FEATURES

- Environmentally sealed, Suitable for a wide range of demanding applications and capable of withstanding equipment vibration, extreme temperatures, dust, and water splashes.
- 5 types of termination offered as standard
- Provides clear tactile and audible feedback.
- Available in two-position and three-position configurations, with maintained and momentary switching options.
- Custom low-temperature versions rated down to -40°C are available.
- An optional locking lever helps prevent accidental operation.

Build Your Part Number

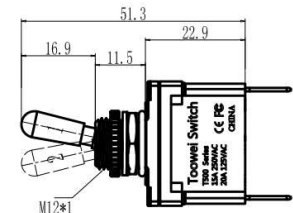
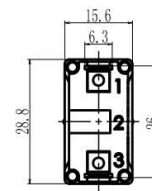
T50	1	A	T
Series	Number of Poles	Switch Function	Terminal
T50	1: Single Pole 2: Double Pole	A: ON-OFF B: ON-ON C: ON-OFF-ON D: (ON)-ON E: (OFF)-ON F: (ON)-OFF M: (ON)-OFF-(ON) N: (ON)-ON-(ON) R: (ON)-OFF-ON *Z: ON-OFF / OFF-ON *"Z" only supports double pole	T: Quick-Connect W: Screw U: Solder L: Built-in Screw X: Fully Sealed Wire AWG 18# Wire

Optional Lever Y: Yellow Plastic Handle B: Black Plastic Handle

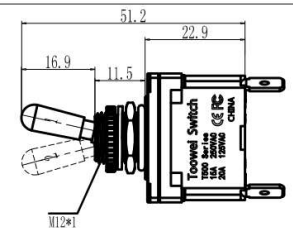
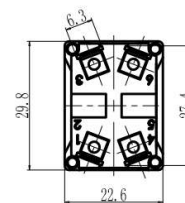
Accessories: Hex nut $\times 1$; round nut $\times 1$; spring washer $\times 1$; sealing ring $\times 1$

Dimensional Drawing

Single Pole



Double Pole



IP68

CE

FCC

RoHS

- Rating value: 15A 250VAC / 20A 125VAC
- Customizable: 20A 250VAC / 25A 125VAC
- Mechanical life: 50,000 cycles min.
- Electrical life: 20,000 cycles min.
- Operating force: 6–12 N
- Insulation resistance: $\geq 100\text{ M}\Omega$ (Min)
- Ambient temperature: -25°C to $+85^{\circ}\text{C}$
- Humidity: 85% RH below
- Dielectric strength: 500V RMS (Min)
- Mechanical strength: $(0.5 \pm 0.04)\text{ N}\cdot\text{m}$ impact energy
- Contact resistance: $\leq 50\text{ m}\Omega$



- FEATURES**
- Locking lever prevents unintended switching
 - IP68-rated sealed construction
 - Maintained and momentary switching functions
 - SP, DP, and 5-type terminal configurations

Build Your Part Number

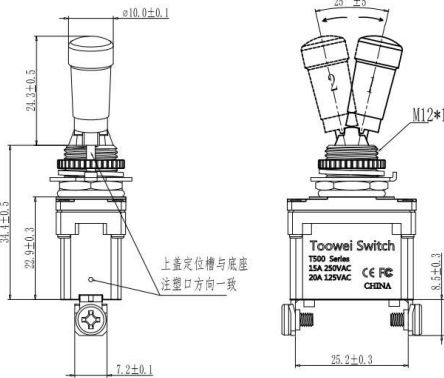
T50	1	A	T	L	M
Series	Number of Poles	Switch Function	Terminal	Lever	Lever Color
T50	1: Single Pole 2: Double Pole	A: ON-OFF B: ON-ON C: ON-OFF-ON D: (ON)-ON E: (OFF)-ON F: (ON)-OFF M: (ON)-OFF-(ON) N: (ON)-ON-(ON) R: (ON)-OFF-ON *Z: ON-OFF / *Z" only supports double pole OFF-ON	T: Quick-Connect W: Screw U: Solder L: Built-in Screw X: Fully Sealed Wire AWG 18# Wire	L: Locking Lever	M: Silver B: Black Metal R: Red Metal O: Other Color

Accessories: Hex nut x1; round nut x1; spring washer x2; sealing ring x1

- APPLICATIONS**
- Function-enable and mode-selection controls on aerial work platforms
 - PTO engagement commands on agricultural and utility vehicles
 - Pump and winch command switches on marine consoles
 - Auxiliary-system controls on off-highway and specialty vehicles
 - Control-enable switches on aviation ground-support equipment
 - Operating-mode selection on hydraulic power packs
 - Power-enable and test-mode controls on equipment test benches
 - Function-selection switches on industrial remote-control boxes
 - Locking-toggle controls on cockpit panels

DESCRIPTION

The T500LM Series is a sealed toggle switch featuring a pull-to-unlock locking lever. The lever must be pulled upward to release the locking mechanism before it can be moved to another position. This design helps prevent unintended switching caused by accidental contact, vibration, or impact, making it ideal for construction equipment, off-highway vehicles, and other demanding control applications.



T600 Series

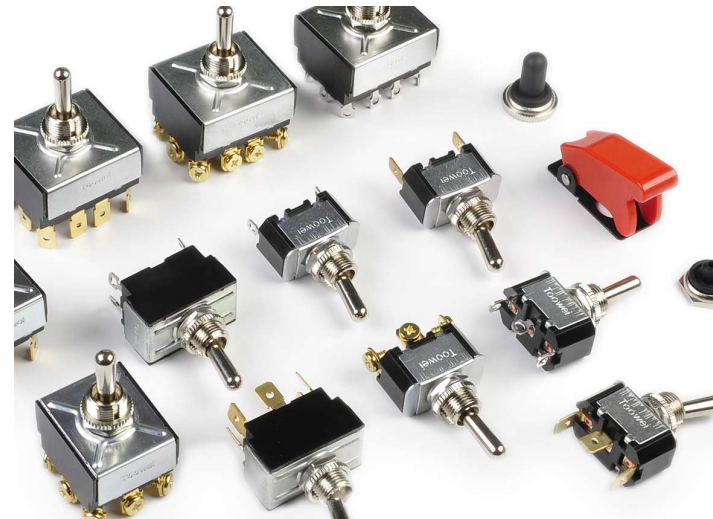
Toggle Switch



CE

RoHS

- Rating value: 10A 250VAC / 15A 125VAC
- Customizable: 25A 250VAC / 30A 125VAC
- Mechanical life: 50,000 cycles min.
- Electrical life: 20,000 cycles min.
- Operating force: 6–12 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$ (Min)
- Ambient temperature: -25°C to $+85^{\circ}\text{C}$
- Humidity: 85% RH below
- Dielectric strength: 500V RMS (Min)
- Mechanical strength: $(0.5 \pm 0.04) \text{ N}\cdot\text{m}$ impact energy



APPLICATIONS

- Food Service
- Generator
- Industrial Control
- Office Automation

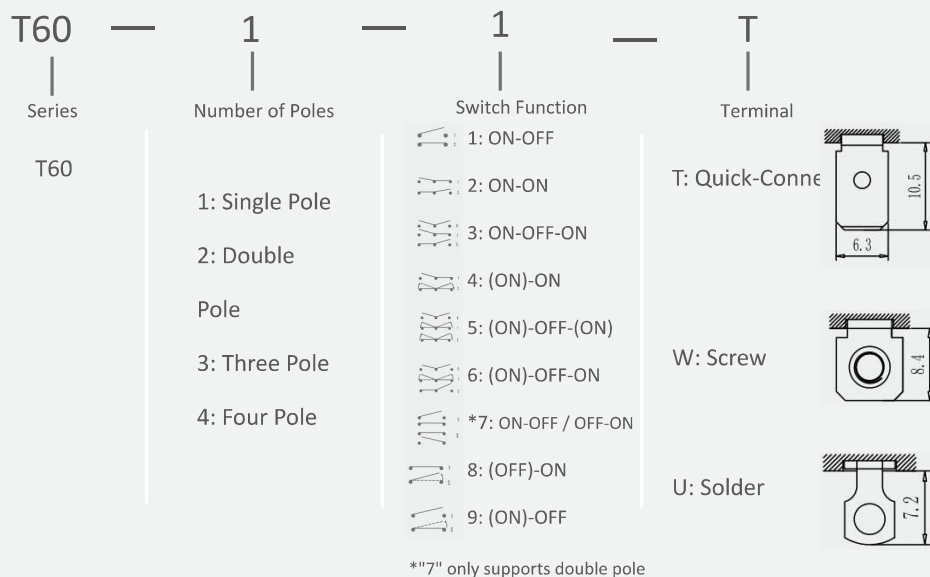
DESCRIPTION

The T600 Series toggle switch is designed for reliable switching in industrial equipment and control panels. It supports 1–4 pole configurations, multiple switching functions, and various terminal options, providing flexible integration for different electrical control applications.

FEATURES

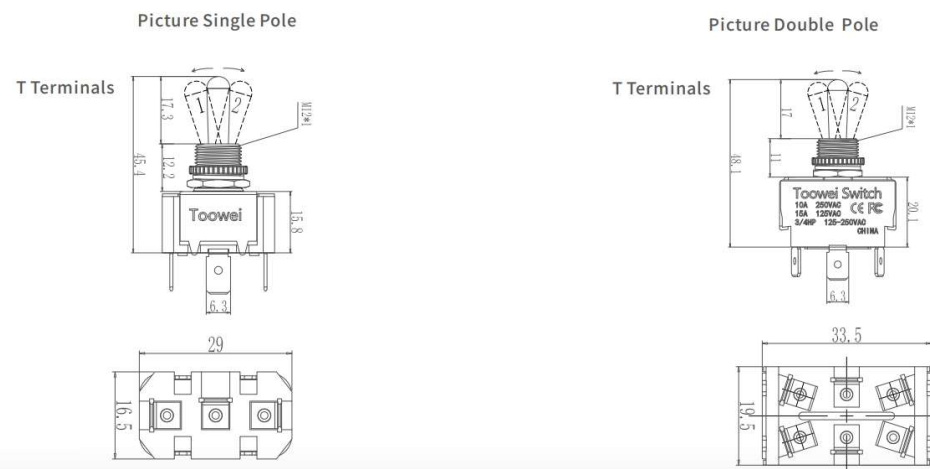
- Rated up to 15A at 125VAC or 10A at 250VAC
- Available in 1–4 pole configurations
- Multiple maintained and momentary functions
- Solder, screw, and 6.3mm quick-connect terminals
- Cost-effective solution for indoor equipment and control systems

Build Your Part Number



Accessories: Hex nut ×1; round nut ×1; spring washer ×1

Dimensional Drawing



CE

RoHS

- Rating value: 10A 250VAC / 15A 125VAC
- Customizable: 25A 250VAC / 30A 125VAC
- Mechanical life: 50,000 cycles min.
- Electrical life: 20,000 cycles min.
- Operating force: 6–12 N
- Insulation resistance: $\geq 100\text{ M}\Omega$ (Min)
- Ambient temperature: -25°C to $+85^{\circ}\text{C}$
- Humidity: 85% RH below
- Dielectric strength: 500V RMS (Min)
- Mechanical strength: $(0.5 \pm 0.04)\text{ N}\cdot\text{m}$ impact energy
- Contact resistance: $\leq 50\text{ m}\Omega$



Build Your Part Number

T60	1	A	T	L	M
Series	Number of Poles	Switch Function	Terminal	Lever	Lever Color
T60	1: Single Pole 2: Double Pole 3: Three Pole 4: Four Pole	1: ON-OFF 2: ON-ON 3: ON-OFF-ON 4: (ON)-ON 5: (ON)-OFF-(ON) 6: (ON)-OFF-ON *7: ON-OFF / OFF-ON 8: (OFF)-ON 9: (ON)-OFF	T: Quick-Connect W: Screw U: Solder	L: Locking Lever	M: Silver B: Black Metal R: Red Metal O: Other Color

*"7" only supports double pole

Accessories: Hex nut ×1; round nut ×1; spring washer ×2

APPLICATIONS

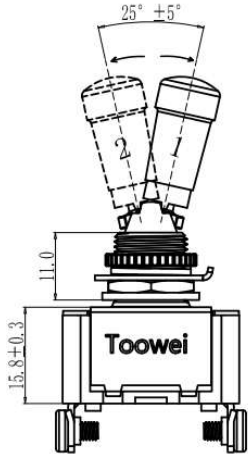
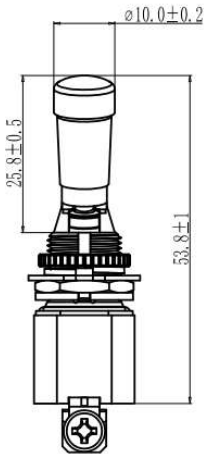
- Power-enable controls on laboratory test benches
- Local/remote selection on indoor equipment control panels
- Manual/automatic mode selection in control cabinets
- Setup/run selection on assembly and production equipment
- Test-mode selection on electrical inspection fixtures
- Function-enable switches on flight-simulation cockpit panels
- Normal/test selection on telecommunications rack panels
- Auxiliary-system controls inside enclosed vehicle cabins
- Control-circuit selection on indoor machinery consoles
- Mode-selection switches on technical training equipment

FEATURES

- Pull-to-unlock lever prevents accidental operation
- Securely holds the selected switch position
- Rated up to 15A at 125VAC or 10A at 250VAC
- Available in 1–4 pole configurations
- Maintained and momentary functions available
- Multiple terminal options for flexible installation
- Durable aluminium-alloy locking lever

DESCRIPTION

The T600LM Series is a robust industrial toggle switch featuring a pull-to-unlock locking lever for enhanced operational safety. Before changing the switch position, the operator must pull the lever upward to disengage the locking mechanism. This design helps prevent unintended switching caused by accidental contact, equipment vibration, or impact.



IP68

CE

RoHS

- Rating value: 10A 250VAC / 15A 125VAC
- Customizable: 25A 250VAC / 30A 125VAC
- Mechanical life: 50,000 cycles min.
- Electrical life: 20,000 cycles min.
- Operating force: 6–12 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$ (Min)
- Ambient temperature: -25°C to $+85^{\circ}\text{C}$
- Humidity: 85% RH below
- Dielectric strength: 500V RMS (Min)
- Mechanical strength: $(0.5 \pm 0.04) \text{ N}\cdot\text{m}$ impact energy



APPLICATIONS

- Outdoor generator and power-equipment control panels
- Pump, bilge and deck-equipment controls on marine panels
- Direction and function controls on material-handling equipment
- Washdown-exposed controls on food-processing equipment
- Function selectors on car-wash and vehicle-cleaning systems
- Auxiliary controls on off-highway and specialty vehicles
- Outdoor charging cabinets and electrical enclosures
- Weather-exposed OEM machinery and control boxes

DESCRIPTION

The T600S Series is a sealed toggle switch developed for equipment with control panels exposed to water, dust, mud and changing outdoor conditions. Its sealing structure provides IP68 protection above the mounting panel while retaining the familiar operating feel and practical wiring options of a conventional toggle switch. Single-pole and double-pole configurations are available with two-position, three-position, maintained and momentary switching functions, including ON-OFF, ON-ON and ON-OFF-ON. Rated at 10 A 250 VAC or 15 A 125 VAC, the series is suitable for power switching and control-circuit applications. Connection options include 6.3 mm quick-connect, screw and solder terminals, allowing the switch to suit different production, installation and maintenance requirements.

FEATURES

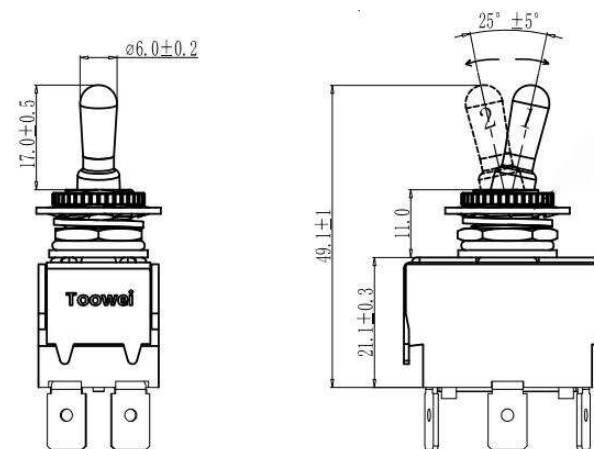
- IP68 protection above the mounting panel
- Maintained and momentary operating functions
- 6.3 mm quick-connect, screw and solder terminal options
- Clear tactile and audible switching feedback
- Durable construction for frequently operated equipment controls
- Multiple circuit and terminal combinations for OEM designs
- Suitable for indoor, outdoor and washdown-exposed control panels

Build Your Part Number

T60	1	1	S	T
Series	Number of Poles	Switch Function		Terminal
T60	1: Single Pole	1: ON-OFF	S: sealed	T: Quick-Connect
	2: Double Pole	2: ON-ON		
	3: Three Pole	3: ON-OFF-ON		
	4: Four Pole	4: (ON)-ON		
		5: (ON)-OFF-(ON)		
		6: (ON)-OFF-ON		
		*7: ON-OFF / OFF-ON		
		8: (OFF)-ON		
		9: (ON)-OFF		

*"7" only supports double pole

Accessories: Hex nut $\times 1$; round nut $\times 1$; spring washer $\times 2$



T600 Series

Low-Current Toggle Switch

CE

- Rating value: 2A 250VAC / 4A 125VAC
- Mechanical life: 50,000 cycles min.
- Electrical life: 20,000 cycles min.
- Operating force: 6–12 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$ (Min)
- Ambient temperature: -25°C to $+85^{\circ}\text{C}$
- Humidity: 85% RH below
- Dielectric strength: 500V RMS (Min)
- Mechanical strength: $(0.5 \pm 0.04) \text{ N}\cdot\text{m}$ impact energy

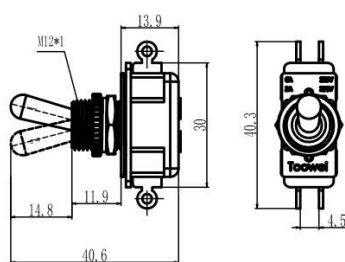
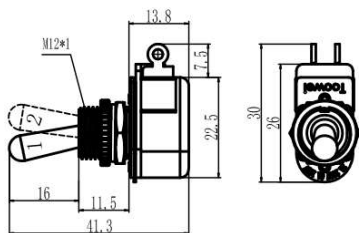


RoHS

Build Your Part Number

T600	1	A	U
Series	Number of Poles	Switch Function	Terminal
T600	1: Single Pole 2: Double Pole	A: ON-OFF B: ON-ON C: (OFF)-ON D: (ON)-OFF	U: Solder Terminal X: Pre-wire Terminal AWG18# wire Length 160mm

Accessories: Hex nut $\times 1$; round nut $\times 1$; spring washer $\times 1$



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T600 Series

Low-Current Push Switch

CE

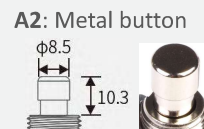
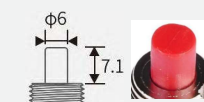
- Rating value: 2A 250VAC / 4A 125VAC
- Mechanical life: 50,000 cycles min.
- Electrical life: 20,000 cycles min.
- Operating force: 6–12 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$ (Min)
- Ambient temperature: -25°C to $+85^{\circ}\text{C}$
- Humidity: 85% RH below
- Dielectric strength: 500V RMS (Min)
- Mechanical strength: $(0.5 \pm 0.04) \text{ N}\cdot\text{m}$ impact energy



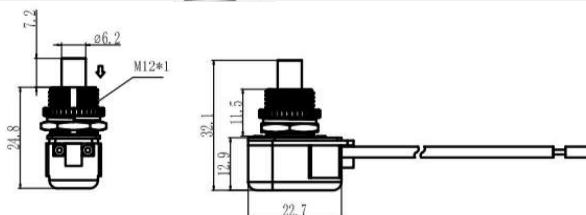
RoHS

Build Your Part Number

T601	A1	A	U	R
Series	Button Type	Switch Function	Terminal	Button Color
T601	A1: Plastic button A2: Metal button A3: Plastic button	1: OFF-(ON) 2: (OFF)-ON	U: Solder Terminal X: Pre-wire Terminal AWG18# wire Length 160mm	R: Red B: Black O: Other Color



Accessories: Hex nut $\times 1$; round nut $\times 1$; spring washer $\times 1$



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PAGE

T700 Series

Toggle Switch



CE

RoHS

- Rating value: 10A 250VAC / 15A 125VAC
- Customizable: 25A 250VAC / 30A 125VAC
- Mechanical life: 50,000 cycles min.
- Electrical life: 20,000 cycles min.
- Operating force: 6–12 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$ (Min)
- Ambient temperature: -25°C to $+85^{\circ}\text{C}$
- Humidity: 85% RH below
- Dielectric strength: 500V RMS (Min)
- Mechanical strength: $(0.5 \pm 0.04) \text{ N}\cdot\text{m}$ impact energy
- Contact resistance: $\leq 50\text{m}\Omega$



APPLICATIONS

- Environmental Controls
- Marine
- Food Service
- Vacuum Cleaners
- Marine
- Commercial Food
- Generators
- Industrial Automation
- Office Automation
- Medical Equipment

DESCRIPTION

The T700 Series is a heavy-duty toggle switch designed for industrial equipment and high-current control applications. This toggle switch series is AC-rated and also suitable for low-voltage DC-rated applications. Its robust construction provides reliable switching performance in demanding operating environments.

FEATURES

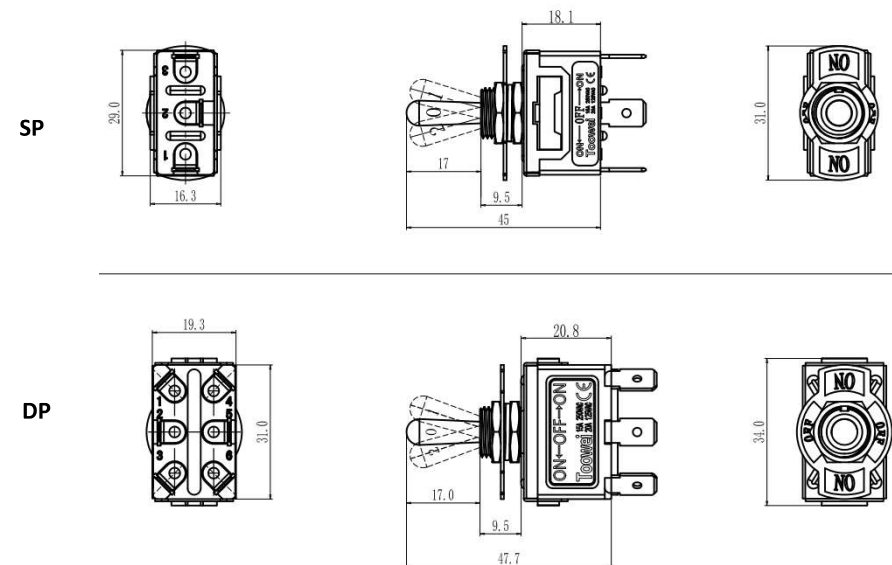
- Rated up to 15A at 125VAC or 10A at 250VAC
- Higher current ratings of 25A or 30A available
- SP and DP configurations with multiple switching functions
- Screw, solder and 6.3mm quick-connect terminals
- Durable bakelite housing and corrosion-resistant brass lever
- Silver contacts ensure stable electrical performance

Build Your Part Number

T70	1	A	T
Series	Number of Poles	Switch Function	Terminal
T70	1: Single Pole 2: Double Pole	A: ON-OFF B: ON-ON C: ON-OFF-ON D: (ON)-ON E: (OFF)-ON F: (ON)-OFF M: (ON)-OFF-(ON) N: (ON)-ON-(ON) R: (ON)-OFF-ON *Z: ON-OFF / OFF-ON	T: Quick-Connect W: Screw U: Solder
		*"Z" only supports double pole	

Accessories: Hex nut $\times 2$; spring washer $\times 1$
Customizable black housing

Dimensional Drawing



T700

Toggle Sealing Boots

- The base material is available in plastic or brass.
- The sealing boot is available in partially sealed or fully sealed versions.
- Available colors include black, red, yellow, blue, green, gray, white, and more.



T700-1
Round plastic base



T700-2
Round metal base



T700-3
Hex metal base



T700-4
Round plastic base

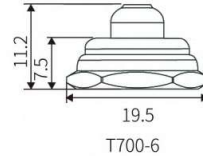
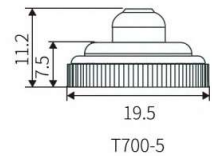
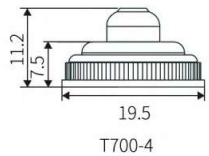
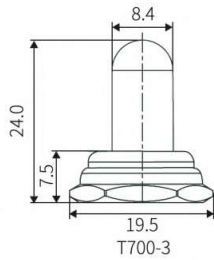
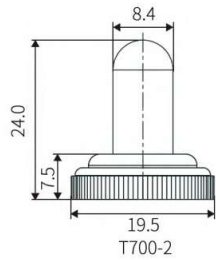
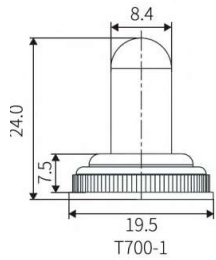


T700-5
Round metal base



T700-6
Hex metal base

Dimensional Drawing



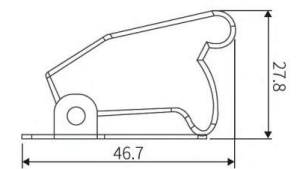
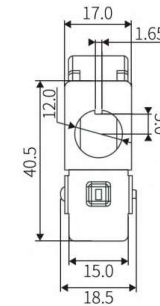
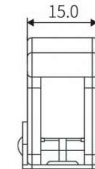
T700

Toggle Switch Safety Cover

- Available in black or red



Dimensional Drawing



T800 Series

Sealed Toggle Switch



IP68

CE

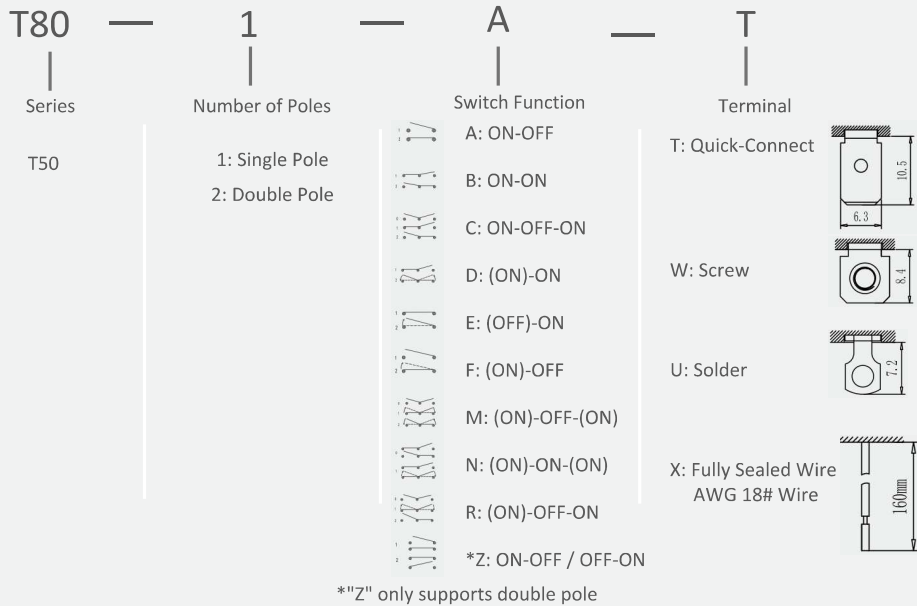
FCC

RoHS

- Rating value: 15A 250VAC / 20A 125VAC
- Customizable: 25A 250VAC / 30A 125VAC
- Mechanical life: 50,000 cycles min.
- Electrical life: 20,000 cycles min.
- Operating force: 6–12 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$ (Min)
- Ambient temperature: -25°C to $+85^{\circ}\text{C}$
- Humidity: 85% RH below
- Dielectric strength: 500V RMS (Min)
- Mechanical strength: $(0.5 \pm 0.04) \text{ N}\cdot\text{m}$ impact energy
- Contact resistance: $\leq 50\text{m}\Omega$



Build Your Part Number



Optional Lever Y: Yellow Plastic Handle B: Black Plastic Handle

Accessories: Hex nut ×1; round nut ×1; spring washer ×1; sealing ring ×1



APPLICATIONS

- Aerial platform lifts
- Off-Highway Vehicles
- Commercial Food & Refrigeration Equipment
- Marine
- Applications requiring stringent sealing

DESCRIPTION

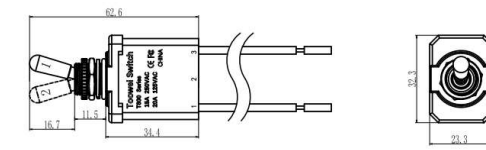
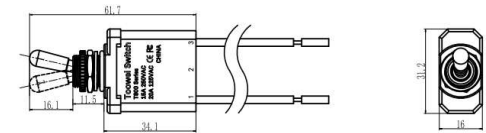
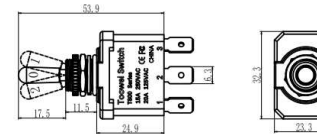
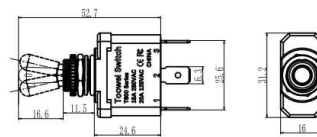
The T800 Series is a fully sealed toggle switch engineered for reliable operation in wet, dusty and demanding environments. Its IP68-rated construction makes it ideal for outdoor equipment, vehicles and industrial control systems. Sealed Toggle Switches have a silicone rubber lever seal assembled between the lever and the bushing to resist the entrance of contaminants such as dust, sand, or water into the contact structure.

The switch mechanisms are completely enclosed to resist the entrance of contaminants into the switch.

FEATURES

- IP68 protection with fully potted construction
- SPST, SPDT, DPST and DPDT configurations
- Maintained and momentary switching functions
- Solder, screw and 6.3mm quick-connect terminals
- Durable nylon housing with corrosion-resistant components
- Suitable for construction equipment, marine systems and off-highway vehicles

Dimensional Drawing



IP67

CE

RoHS

REACH

- Contact rating: 2A 250VAC / 4A 125VAC
- Custom rating available: 4A 250VAC / 6A 125VAC
- Mechanical life: 200,000 cycles min.
- Electrical life: 50,000 cycles min.
- Operating force: 3-6 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$
- Operating temperature: -25°C to $+85^{\circ}\text{C}$
- Contact resistance: $\leq 50 \text{ m}\Omega$
- Dielectric strength: 1,000 VAC, 50/60 Hz for 1 minute
- Vibration resistance: 10-55 Hz, 1.5 mm peak-to-peak amplitude



APPLICATIONS

- Panel
- Computer
- Instrument

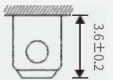
DESCRIPTION

The A100 push-button switch is a normally open, reset switch. It provides excellent mechanical and electrical performance even in harsh applications. The push-button switch features an IP67 waterproof seal. Rated load: 2A 250VAV / 4A 125VAC. The A100 series push-button switches are cost-effective switches designed for use in panels, levers, computers, instruments, heavy equipment, etc.

FEATURES

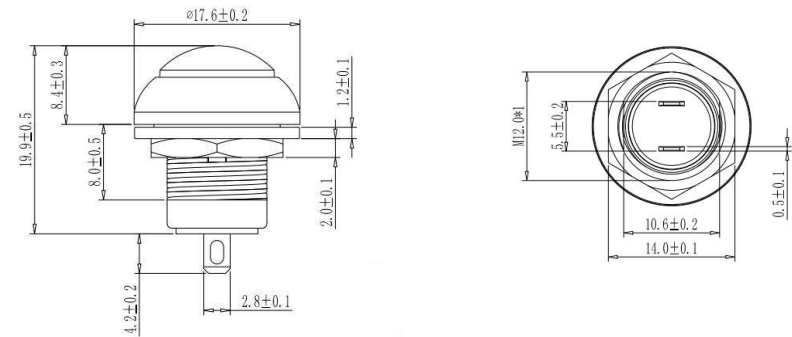
- Attractive dome style button
- 3 contoured button styles
- Positive tactile feedback
- Protection rating IP67
- RoHS compliant

Build Your Part Number

A1	12	6	1	2
Series Code	Panel Cutout	Terminal	Button Color	Button Style
A1	12: $\phi 12$	6: Solder 	1: (R) 2: (B) 3: (GR) 4: (BL) 5: (O) 6: (Y) 7: (G) 8: (W)	1:  1# Button 2:  2# Button 3:  3# Button

Accessories: Hex nut ×1; Rubber ring ×1

Dimensional Drawing



IP67

CE

RoHS

REACH

- Contact rating: 2A 250VAC / 4A 125VAC
- Custom rating available: 4A 250VAC / 6A 125VAC
- Mechanical life: 200,000 cycles min.
- Electrical life: 50,000 cycles min.
- Operating force: 3-6 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$
- Operating temperature: -25°C to $+85^{\circ}\text{C}$
- Contact resistance: $\leq 50 \text{ m}\Omega$
- Dielectric strength: 1,000 VAC, 50/60 Hz for 1 minute
- Vibration resistance: 10-55 Hz, 1.5 mm peak-to-peak amplitude



APPLICATIONS

- Machinery and equipment controls
- Power supply equipment
- Testing and measuring instruments
- Automation systems
- Vehicle control panels
- Marine control equipment
- Access control systems
- Electrical enclosures
- OEM control interfaces

DESCRIPTION

The A200 Series is a compact 12 mm momentary push-button switch designed for reliable control in space-limited panels. It is available in illuminated and non-illuminated versions, with plastic, brushed metal, or glossy black metal housing options. The panel-front IP67 sealing helps protect against dust and water when properly installed. Rated at 2A 250VAC or 4A 125VAC. Multiple LED colors are available to support clear status indication and customized panel designs.

FEATURES

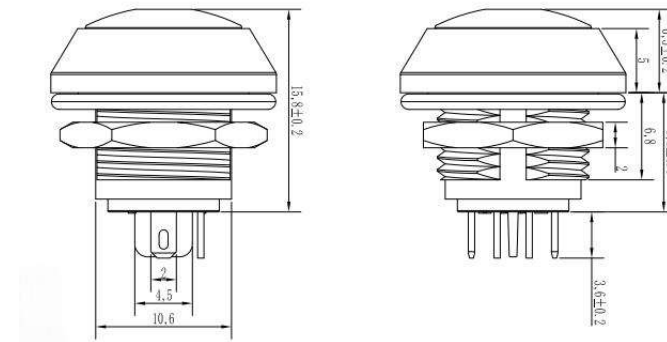
- Illuminated and non-illuminated options
- Clear tactile feedback for confident operation
- Suitable for compact control panels and equipment interfaces

Build Your Part Number

A2	12	6	5	0	1
Series Code	Panel Cutout	Terminal	Housing Options	LED Options	Button Color
A2	12: $\phi 12$	6: Solder 	5  Bright metal surface 6  Matte metal finish 7  Glossy Black Metal 8  Black Nylon	0: NO LED 1: ● (R) 2: ● (G) 3: ● (Y) 4: ● (BL) 5: ○ (W)	1: ● (R) 2: ● (B) 3: ● (GR) 4: ● (BL) 5: ● (O) 6: ● (Y) 7: ● (G) 8: ○ (W)

Accessories: Hex nut ×1; Rubber ring ×1

Dimensional Drawing



A300 Series

Push Button Switch



IP67

CE

RoHS

REACH

- Contact rating: 2A 250VAC / 4A 125VAC
- Custom rating available: 4A 250VAC / 6A 125VAC
- Mechanical life: 200,000 cycles min.
- Electrical life: 50,000 cycles min.
- Operating force: 3-6 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$
- Operating temperature: -25°C to $+85^{\circ}\text{C}$
- Contact resistance: $\leq 50 \text{ m}\Omega$
- Dielectric strength: 1,000 VAC, 50/60 Hz for 1 minute
- Vibration resistance: 10-55 Hz, 1.5 mm peak-to-peak amplitude



APPLICATIONS

- Industrial control panels
- Machinery and equipment controls
- Automation systems
- Power supply equipment
- Testing and measuring instruments
- Vehicle control panels
- Marine control equipment
- Access control and security systems
- OEM equipment interfaces

DESCRIPTION

The A300 Series is a compact 16 mm push-button switch designed for reliable control in industrial equipment and space-limited panels. It is available in illuminated and non-illuminated versions, with momentary or latching operation and a choice of plastic or metal housings. The solder-terminal version provides IP67 protection above the mounting panel, while the potted wire-lead version offers a fully sealed waterproof construction. Rated at 2A 250VAC or 4A 125VAC, the A300 Series combines dependable switching with flexible configuration options for a wide range of OEM applications.

FEATURES

- Illuminated and non-illuminated options
- Momentary and latching operation
- Plastic and Stainless steel housing options
- Clear dot-style LED status indication
- IP67 front-panel protection
- Fully sealed potted wire-lead option
- Compact 16 mm panel mounting

Build Your Part Number

Series Code	Panel Cutout	Terminal	Actuator Shapes	Function	LED Color	Actuator Color	Actuator Type	Housing material
A3	16: $\phi 16$	6: Solder 7: Wire lead AWG#18	8: Round	1: Maintained 2: Momentary	0: NO LED 1: Red (R) 2: Green (G) 3: Yellow (Y) 4: Blue (BL) 5: White (W)	1: Red (R) 2: Black (B) 3: Grey (GR) 4: Blue (BL) 5: Orange (O) 6: Yellow (Y) 7: Green (G) 8: White (W)	1# Actuator 3# Actuator	5: Stainless steel 8: Plastic nylon housing

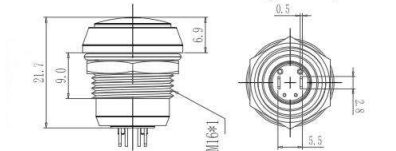
Available Illumination Options



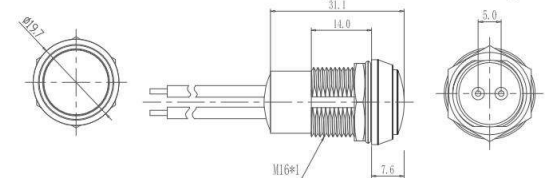
Accessories: Hex nut x1; Rubber ring x1

Dimensional Drawing

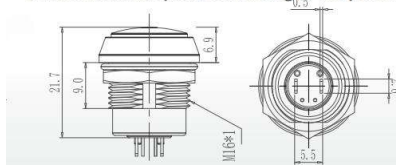
Solder terminal metal housing in the picture



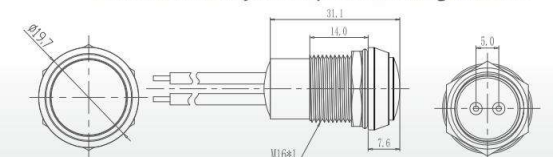
Picture shows fully sealed metal housing with wire



Solder terminal plastic housing in the picture



Picture shows fully sealed plastic housing with wire



A400 Series

Push Button Switch



IP67

CE

RoHS

REACH

- Contact rating: 2A 250VAC / 4A 125VAC
- Custom rating available: 4A 250VAC / 6A 125VAC
- Mechanical life: 200,000 cycles min.
- Electrical life: 50,000 cycles min.
- Operating force: 3-6 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$
- Operating temperature: -25°C to $+85^{\circ}\text{C}$
- Contact resistance: $\leq 50 \text{ m}\Omega$
- Dielectric strength: 1,000 VAC, 50/60 Hz for 1 minute
- Vibration resistance: 10-55 Hz, 1.5 mm peak-to-peak amplitude



APPLICATIONS

- Industrial control panels and automation systems
- Construction and agricultural machinery
- Material-handling equipment
- Vehicle and marine control systems
- Joysticks and remote-control units
- Power supply and distribution equipment
- Testing and measuring instruments
- Access control and security systems
- OEM human-machine interfaces

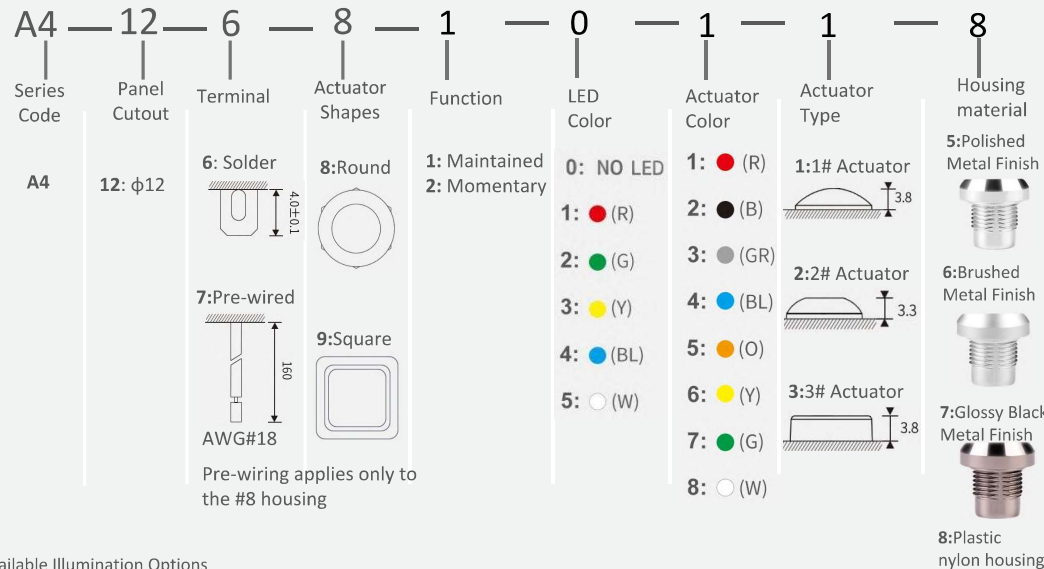
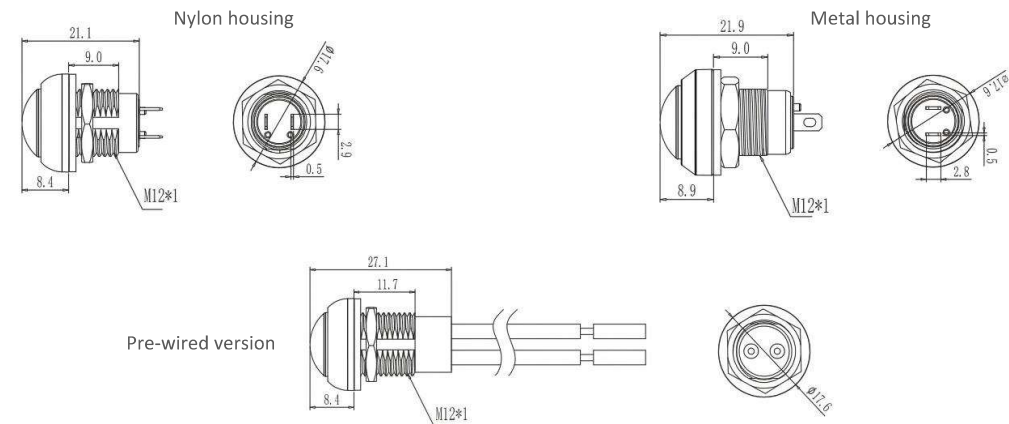
DESCRIPTION

The A400 Series is a compact 12 mm push-button switch designed for control interfaces that require clear status indication, flexible configuration, and reliable sealing in limited panel space. Available with momentary or latching action, illuminated or non-illuminated actuators, and round or square shapes, it adapts easily to a wide range of equipment designs. Five LED colors, multiple actuator colors, nine standard illuminated symbols, and custom legends enable intuitive, application-specific operation. The solder-terminal version provides IP67 protection above the mounting panel, while the potted AWG18 wire-lead version features a fully sealed construction. Standard ratings are 2A 250VAC and 4A 125VAC, with higher ratings available on request.

FEATURES

- Compact 12 mm panel mounting
- Momentary and latching operation
- Illuminated and non-illuminated options
- Five LED colors and multiple actuator colors
- Custom symbols available on request
- Round or square actuator options
- IP67 front-panel sealing for solder-terminal versions
- Fully sealed potted wire-lead option

Dimensional Drawing



Available Illumination Options



Accessories: Hex nut x1; Rubber ring x1

IP67

CE

RoHS

REACH

- Contact rating: 2A 250VAC / 4A 125VAC
- Custom rating available: 4A 250VAC / 6A 125VAC
- Mechanical life: 200,000 cycles min.
- Electrical life: 50,000 cycles min.
- Operating force: 3-6 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$
- Operating temperature: -25°C to $+85^{\circ}\text{C}$
- Contact resistance: $\leq 50 \text{ m}\Omega$
- Dielectric strength: 1,000 VAC, 50/60 Hz for 1 minute
- Vibration resistance: 10-55 Hz, 1.5 mm peak-to-peak amplitude



APPLICATIONS

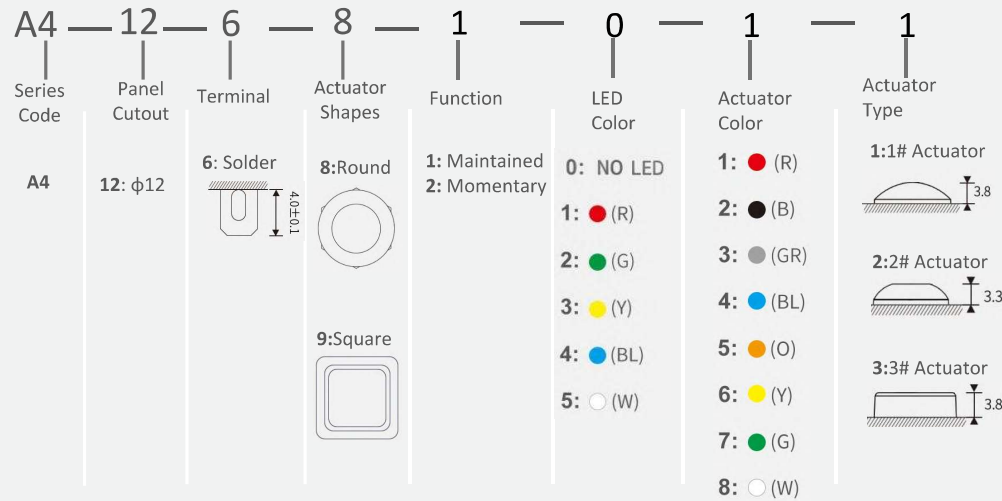
- Industrial control panels
- Machinery and equipment controls
- Construction and agricultural machinery
- Material-handling equipment
- Vehicle control panels
- Marine control equipment
- Power supply equipment
- Testing and measuring instruments
- Access control and security systems
- OEM operator interfaces

DESCRIPTION

The A400 Series is a compact 12 mm panel-mount push-button switch designed for equipment interfaces where reliable operation, clear status indication, and space-saving installation are required. Its distinctive white housing is available with eight actuator colors, allowing easy function identification and flexible panel design. Illuminated and non-illuminated versions are offered with both momentary and latching operation. The illuminated models feature centre-spot or power-symbol indication, with five LED colors and customizable LED voltages to suit different control circuits. Equipped with an SPST 1NO contact configuration and solder terminals, the A400 Series provides IP67 protection above the mounting panel.

FEATURES

- Compact 12 mm panel mounting
- Distinctive white housing
- Momentary and latching operation
- Illuminated and non-illuminated options
- Five LED colors and eight actuator colors
- IP67 protection above the mounting panel

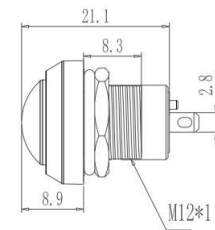
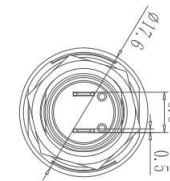


Available Illumination Options



Accessories: Hex nut $\times 1$; Rubber ring $\times 1$

Dimensional Drawing



A400 Series

Push Button Switch

IP67

CE

RoHS

REACH

- Contact rating: 2A 250VAC / 4A 125VAC
- Custom rating available: 4A 250VAC / 6A 125VAC
- Mechanical life: 200,000 cycles min.
- Electrical life: 50,000 cycles min.
- Operating force: 3-6 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$
- Operating temperature: -25°C to $+85^{\circ}\text{C}$
- Contact resistance: $\leq 50 \text{ m}\Omega$
- Dielectric strength: 1,000 VAC, 50/60 Hz for 1 minute
- Vibration resistance: 10-55 Hz, 1.5 mm peak-to-peak amplitude



APPLICATIONS

- Start, reset and auxiliary-command buttons on machinery panels
- Lift, lower and function controls on aerial work platforms
- Horn, work-light and mode-selection controls in vehicle cabins
- Direction and attachment controls on material-handling equipment
- Pump, winch and deck-equipment controls on marine panels
- Power, standby and function keys on testing instruments
- Door-release buttons and access-control stations
- Command buttons on joysticks, pendant stations and OEM control panels

DESCRIPTION

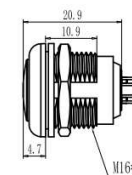
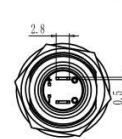
The A400 16mm Series is designed as a versatile operator command switch for control boxes, armrests, dashboards and equipment panels. Its 16 mm mounting format provides a comfortable fingertip operating area while preserving valuable panel space. Momentary models are suitable for short commands such as start, reset, horn, jog or call, while latching models support maintained ON/OFF functions. Illuminated and non-illuminated versions, five center-dot LED colors, eight actuator colors and customizable power symbols make each function easier to locate and identify. Three actuator styles and a choice of plastic or metal housing allow the switch to match different operating priorities and panel designs. Solder-terminal versions provide IP67 protection above the panel, while potted wire-lead versions offer fully sealed protection.

FEATURES

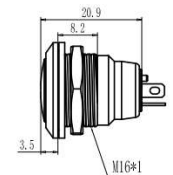
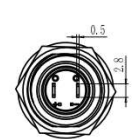
- Momentary and latching models for different command functions
- Clear visual identification through LED and actuator color coding
- Three actuator styles for different operating preferences
- Custom power symbols for application-specific interfaces
- Plastic housing for economical designs or metal housing for a premium appearance
- Fully sealed potted wire-lead option

Dimensional Drawing

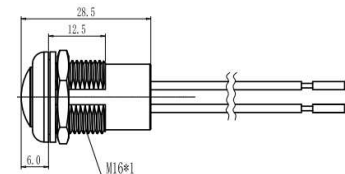
8# Housing



Metal Housing



Fully sealed 8# housing with leads



A4	16	6	8	1	0	1	1	8
Series Code	Panel Cutout	Terminal	Actuator Shapes	Function	LED Color	Actuator Color	Actuator Type	Housing material
A4	16: $\phi 16$	6: Solder 7: Pre-wired AWG#18 Pre-wiring applies only to the #8 housing.	8: Round	1: Maintained 2: Momentary	0: NO LED 1: (R) 2: (G) 3: (Y) 4: (BL) 5: (W)	1: (R) 2: (B) 3: (GR) 4: (BL) 5: (O) 6: (Y) 7: (G) 8: (W)	1:1# Actuator 2:2# Actuator 3:3# Actuator	5: Polished Metal Finish 6: Brushed Metal Finish 7: Glossy Black Metal Finish 8: Plastic nylon housing

Available Illumination Options



Accessories: Hex nut x1; Rubber ring x1

A4196 Series

Push Button Switch

IP67	• Contact rating:	2A 250VAC / 4A 125VAC
	• Custom rating available:	4A 250VAC / 6A 125VAC
	• Mechanical life:	200,000 cycles min.
CE	• Electrical life:	50,000 cycles min.
	• Operating force:	3-6 N
	• Insulation resistance:	≥100 MΩ
RoHS	• Operating temperature:	-25°C to +85°C
	• Contact resistance:	≤50 mΩ
	• Dielectric strength:	1,000 VAC, 50/60 Hz for 1 minute
REACH	• Vibration resistance:	10-55 Hz, 1.5 mm peak-to-peak amplitude



- TOOWEI®
- APPLICATIONS
- Start, reset and alarm-acknowledge controls on machinery panels
 - Power, standby and mode controls on EV charging equipment
 - Call and floor-selection buttons in elevators and people movers
 - Stop-request and service buttons in buses and rail vehicles
 - Door-release and entry buttons on access-control stations
 - Pump, winch and deck-equipment controls on marine panels
 - Power and function controls on laboratory and testing equipment
 - Auxiliary command buttons in construction and agricultural vehicles

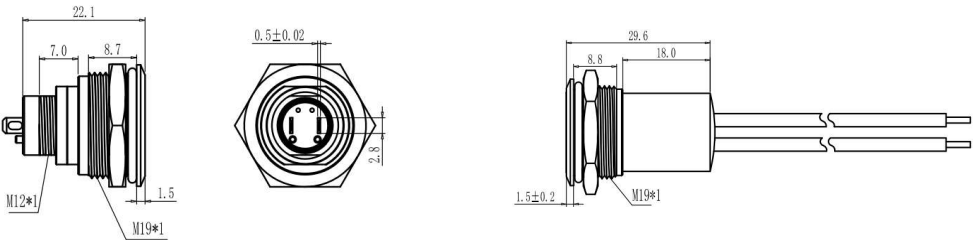
DESCRIPTION

The A4195 Series is a 19 mm panel-mount push-button switch developed for control points that must be easy to locate, understand and operate. Its larger operating surface provides clear visual presence and comfortable fingertip control, making it well suited to equipment panels, public interfaces and vehicle consoles. High and flat actuator styles allow designers to choose between a more prominent operating target and a clean, low-profile panel appearance. Momentary models are suitable for commands such as start, reset, call or acknowledgement, while latching models maintain ON/OFF functions. Dot, ring and power-symbol illumination provide immediate status feedback, with five LED colors and custom illuminated symbols available. Multiple actuator colors and metal housing finishes allow the switch to match functional priorities and equipment styling.

FEATURES

- High or flat actuator styles for different interface requirements
- Momentary and latching models for command or maintained functions
- Dot, ring and power-symbol illumination options
- Customized illuminated symbols available on request
- Five LED colors and multiple actuator colors
- Stainless steel, aluminum alloy, black, gold-colored and grey housing options
- Combines switching and visual status indication in one panel component
- Fully sealed AWG18 pre-wired version

Dimensional Drawing



Build Your Part Number

A4	19	6	8	1	0	1	1	8
Series Code	Panel Cutout	Housing material	Actuator Color	LED Color	Illumination Type	Actuator Type	Function	Terminal
A4	19: φ19	5:Stainless steel 6:Aluminum alloy 7:Black 8:Gold colored 9:grey	1: ● (R) 2: ● (B) 3: ● (GR) 4: ● (BL) 5: ● (Y) 6: ● (G) 7: ● (Metallic) 8: ● (Stainless steel)	0: NO LED 1: ● (R) 2: ● (G) 3: ● (Y) 4: ● (BL) 5: ● (W)	0: NO LED 1: Dot 2: Ring 3: Power Symbol	1: High 1# Actuator 3: Flat 3# Actuator	1: Maintained 2: Momentary	6: Solder 8: Pre-wired AWG#18

Accessories: Hex nut ×1; Rubber ring ×1

A500 Series

Push Button Switch

IP67

CE

RoHS

REACH

Contact rating:

3A 250VAC / 5A 125VAC

Custom rating available:

5A 250VAC / 8A 125VAC

Mechanical life:

200,000 cycles min.

Electrical life:

50,000 cycles min.

Operating force:

3-6 N

Insulation resistance:

≥100 MΩ

Operating temperature:

−25°C to +85°C

Contact resistance:

≤50 mΩ

Dielectric strength:

1,000 VAC, 50/60 Hz for 1 minute

Vibration resistance:

10–55 Hz, 1.5 mm peak-to-peak amplitude



Build Your Part Number

A5

16

6

8

1

0

1

1

Series Code

Panel Cutout

Terminal

Actuator Shapes

Function

LED Color

Actuator Color

Actuator Type

A5

16: φ16
19: φ19
22: φ22

6:2.8terminal
7:Sheathed wire

8:Round

1: Maintained
2: Momentary

0: NO LED
1: (R)
2: (G)
3: (Y)
4: (BL)
5: (W)

1: (R)
2: (B)
3: (GR)
4: (BL)
5: (O)
6: (Y)
7: (G)
8: (W)
9: Stainless steel

1:1# Actuator
3:3# Actuator
4:4# Actuator Flat
*16mm, select actuator #1 or #3
*19mm,22mm select actuator #4

*2NC2NO Switch

*16mm nylon plastic housing
19mm, 22mm stainless steel housing

Available Illumination Options

1

2

3

4

5

6

7

8

9

Accessories: Hex nut x1; Rubber ring x1



APPLICATIONS

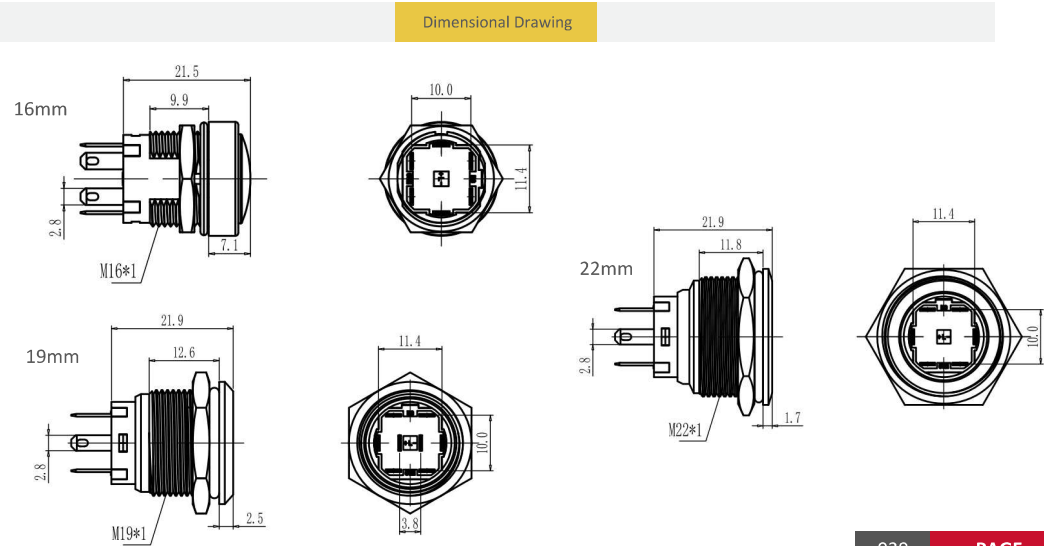
- Main and auxiliary circuit control on machinery panels
- Forward/reverse command circuits for motor controllers and actuators
- Run, jog and mode controls on conveyors and lifting equipment
- Pump and winch direction controls on marine panels
- Dual-output commands on joysticks and pendant control stations
- Power and control-path switching in electrical equipment
- Open/close command circuits for doors and gates
- Auxiliary-system controls in heavy-duty and specialty vehicles

DESCRIPTION

The A500 Series is a dual-circuit panel-mount push-button switch designed for control systems that require two electrical paths to change state from a single operator action. Its DPDT configuration provides two independent changeover contact sets—2NO and 2NC—allowing one button to switch a primary command and an auxiliary signal simultaneously, or transfer between two circuit paths. Momentary versions support short-duration commands such as run, jog, open or close, while latching versions maintain the selected operating state. Illuminated and non-illuminated models are available in 16, 19 and 22 mm mounting sizes. The 16 mm version uses a nylon housing, while the 19 and 22 mm versions feature stainless-steel housings. All versions provide IP67 protection above the mounting panel.

FEATURES

- DPDT configuration with two independent changeover contact sets
- Simultaneous switching of primary and auxiliary circuits
- Reduces the number of separate controls required on a panel
- Momentary and latching operating options
- Illuminated and non-illuminated versions
- 16, 19 and 22 mm panel-mounting options
- IP67 protection above the mounting panel



A600 Series

Push Button Switch



IP67

CE

RoHS

REACH

- Contact rating: 2A 250VAC / 4A 125VAC
- Custom rating available: 4A 250VAC / 6A 125VAC
- Mechanical life: 200,000 cycles min.
- Electrical life: 50,000 cycles min.
- Operating force: 3-6 N
- Insulation resistance: $\geq 100 \text{ M}\Omega$
- Operating temperature: -25°C to $+85^{\circ}\text{C}$
- Contact resistance: $\leq 50 \text{ m}\Omega$
- Dielectric strength: 1,000 VAC, 50/60 Hz for 1 minute
- Vibration resistance: 10-55 Hz, 1.5 mm peak-to-peak amplitude



APPLICATIONS

- Thumb-operated function buttons on joysticks and control grips
- Reset and acknowledgement keys on compact instruments
- Horn, lighting and mode buttons on off-road vehicle dashboards
- Command buttons on flight-simulation and gaming control panels
- Power, standby and selection keys on testing equipment
- User-input buttons on audio and video control consoles
- Start, stop and auxiliary controls on compact OEM machines

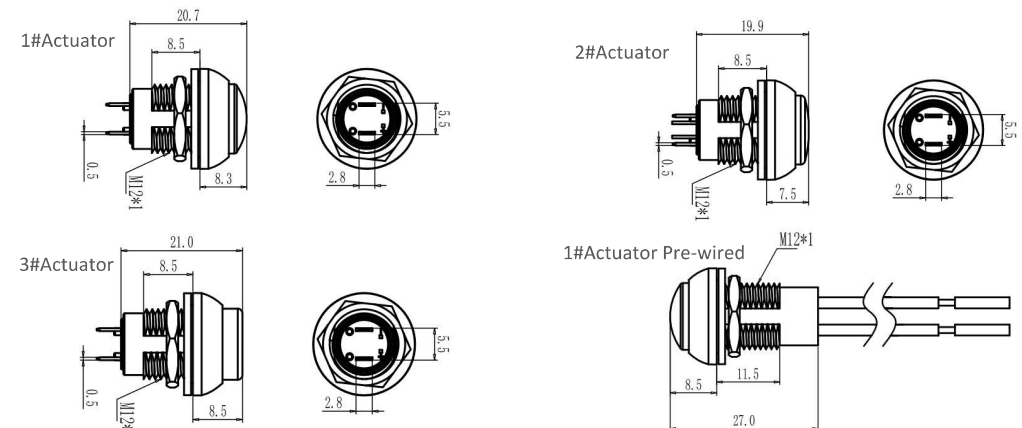
DESCRIPTION

The A600 Series is a compact 12 mm panel-mount push-button switch distinguished by its all-plastic construction and high-gloss actuator surface. Designed for control grips, instruments and compact operator interfaces, its bright actuator finish gives each color strong visual definition, helping operators quickly identify different functions on densely arranged panels. Eight actuator colors are available for functional color coding. Momentary models provide short command inputs such as reset, horn or push-to-talk, while latching models support maintained ON/OFF functions. Illuminated versions use a center-dot LED for clear local status indication, while non-illuminated versions provide a simple, color-coded control. The solder-terminal version provides IP67 protection above the mounting panel, and the potted wire-lead version offers a fully sealed construction.

FEATURES

- Distinctive high-gloss actuator appearance
- Lightweight all-plastic housing and button construction
- Compact 12 mm mounting for space-limited interfaces
- Eight actuator colors for clear functional identification
- Illuminated and non-illuminated versions
- Five center-dot LED colors
- Momentary and latching operating options
- IP67 front-panel or fully sealed protection

Dimensional Drawing



A6	12	6	8	1	0	1	1	8
Series Code	Panel Cutout	Terminal	Actuator Shapes	Function	LED Color	Actuator Color	Actuator Type	Housing material
A6	12: $\phi 12$	6: Solder 7: Pre-wired AWG#18	8: Round 9: Square	1: Maintained 2: Momentary	0: NO LED 1: (R) 2: (G) 3: (Y) 4: (BL) 5: (W)	1: (R) 2: (B) 3: (GR) 4: (BL) 5: (O) 6: (Y) 7: (G) 8: (W)	1: 1# Actuator 2: 2# Actuator 3: 3# Actuator	8: Plastic nylon housing

Accessories: Hex nut $\times 1$; Rubber ring $\times 1$

A700 Series

Push Button Switch

IP67	- Contact rating: 3A 250VAC / 8A 125VAC - Custom rating available: 5A 250VAC / 8A 125VAC - Mechanical life: 200,000 cycles min.	
CE	- Electrical life: 50,000 cycles min. - Operating force: 3-6 N	
RoHS	- Insulation resistance: ≥100 MΩ - Operating temperature: -25°C to +85°C	
REACH	- Contact resistance: ≤50 mΩ - Dielectric strength: 1,000 VAC, 50/60 Hz for 1 minute - Vibration resistance: 10-55 Hz, 1.5 mm peak-to-peak amplitude	

Build Your Part Number

A7

Series Code

A7

16

Panel Cutout

16: φ16

6

Terminal

6: Solder



8

Actuator Shapes

8: Round



1

Function

1: Maintained
2: Momentary

0

LED Color

0: NO LED
1: (R)
2: (G)
3: (Y)
4: (BL)
5: (W)

1

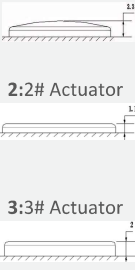
Actuator Color

1: (R)
2: (B)
3: (GR)
4: (BL)
5: (O)
6: (Y)
7: (G)
8: (W)

1

Actuator Type

1: 1# Actuator
2: 2# Actuator
3: 3# Actuator



6

Housing material

6: Plastic nylon housing



Accessories: Nut ×1; Rubber ring ×1



APPLICATIONS

- Self-service kiosks and ticketing machines
- EV charging stations and charging cabinets
- Commercial kitchen and beverage equipment
- Laboratory and analytical instruments
- Audio, broadcasting and multimedia control panels
- Fitness and rehabilitation equipment
- Parking barriers and access control equipment
- Portable generators and energy storage systems
- Packaging, labeling and dispensing equipment



DESCRIPTION

The A700 Series is a compact 16 mm plastic push-button switch featuring an SPDT changeover contact system with one normally open contact, one normally closed contact, and one common terminal. Both momentary and latching functions are available.

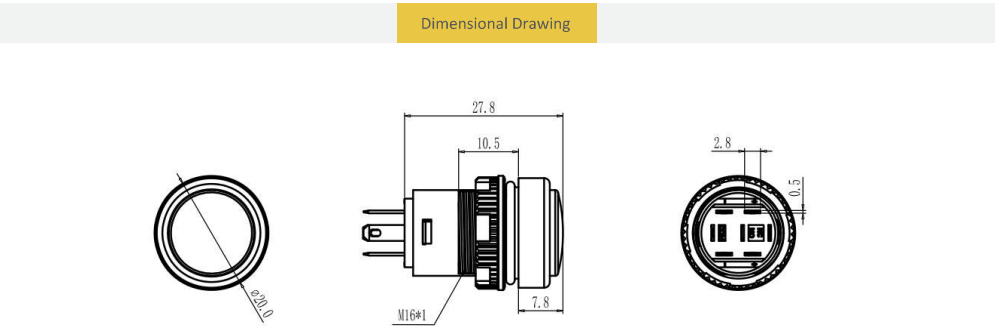
In the unactuated state, COM is connected to NC. Operating the button transfers the common contact from NC to NO. The momentary version returns to its original state when released, while the latching version retains the selected state until the next operation.

The non-illuminated version has three solder terminals: COM, NO and NC. The illuminated version has seven solder terminals: COM, NO and NC for contact switching, plus two LED positive (+) terminals and two LED negative (-) terminals. This arrangement allows the switching and illumination circuits to be wired separately.

Illuminated and non-illuminated models are available. Illumination options include dot, ring, and full-face lighting, together with customized illuminated symbols and patterns. With a 3 A 250 VAC contact rating, a 16 mm panel cutout and IP67 protection above the panel, the A700 Series provides flexible changeover control and clear visual indication in a compact operator interface.

FEATURES

- SPDT configuration with 1NO, 1NC and COM contacts
- Two circuit states controlled by a single actuator
- Three solder terminals on non-illuminated models
- Seven solder terminals on illuminated models
- Separate terminals for switching and LED circuits
- Customized illuminated symbols and patterns available

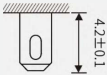
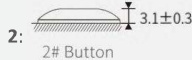
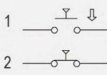
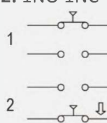


AX1126 Series

Push Button Switch

IP67	- Contact rating: 2A 250VAC / 4A 125VAC - Custom rating available: 4A 250VAC / 6A 125VAC - Mechanical life: 200,000 cycles min.	
CE	- Electrical life: 50,000 cycles min. - Operating force: 3-6 N	
RoHS	- Insulation resistance: ≥100 MΩ - Operating temperature: -25°C to +85°C	
REACH	- Contact resistance: ≤50 mΩ - Dielectric strength: 1,000 VAC, 50/60 Hz for 1 minute	
	Vibration resistance: 10–55 Hz, 1.5 mm peak-to-peak amplitude	

Build Your Part Number

AX1	12	6	1	2	1
Series Code	Panel Cutout	Terminal	Button Color	Button Style	Functions
AX1	12: φ12	6: Solder 	1: ● (R) 2: ● (B) 3: ● (GR) 4: ● (BL) 5: ● (O) 6: ● (Y) 7: ● (G) 8: ○ (W)	1:  2:  3: 	1: 1NC 2 Pins  2: 1NO 1NC 4 Pins 

Accessories: Hex nut ×1; Rubber ring ×1



DESCRIPTION

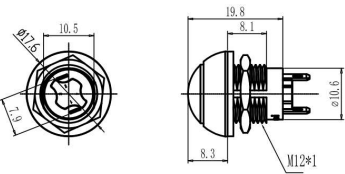
The AX100 Series is a compact 12 mm non-illuminated push-button switch designed for applications requiring normally open and normally closed signals from a single momentary actuator. Unlike a conventional three-terminal SPDT switch, the AX100 1NO + 1NC version has four independent solder terminals: two terminals for the normally open contact and two terminals for the normally closed contact, with no shared common terminal. When the button is pressed, the NO contact closes while the NC contact opens. Both contacts automatically return to their original states when the button is released. This independent contact arrangement allows two electrically separate circuits to be operated simultaneously, making the switch suitable for dual-signal commands, relay or PLC inputs, control-and-feedback functions and equipment status changes. The series features an M12 × 1 threaded mounting bushing, a 2 A 250 VAC / 4 A 125 VAC contact rating and IP67 protection above the panel. Flat and raised actuator styles and multiple button colors are available for different panel designs and operating requirements.

FEATURES

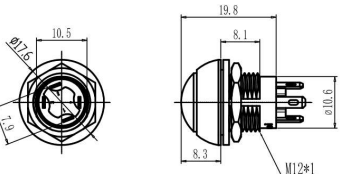
- Independent 1NO + 1NC momentary contact arrangement
- Four solder terminals with no shared COM terminal
- Simultaneous opening and closing of two separate circuits
- Suitable for dual-signal and control-and-feedback functions
- IP67 protection
- Multiple actuator colors available

Dimensional Drawing

2Pins 1NC



4Pins 1NO 1NC



APPLICATIONS

- Joystick grips and handheld controllers
- Pendant control stations and remote control boxes
- Door release, gate and turnstile controls
- Test fixtures and diagnostic instruments
- Mobility and rehabilitation equipment
- Audio, intercom and communication panels
- Relay and PLC input interfaces
- Compact OEM equipment controls

AX1166 Series

Push Button Switch

IP67	• Contact rating:	2A 250VAC / 4A 125VAC
	• Custom rating available:	4A 250VAC / 6A 125VAC
	• Mechanical life:	200,000 cycles min.
CE	• Electrical life:	50,000 cycles min.
	• Operating force:	3-6 N
	• Insulation resistance:	≥100 MΩ
RoHS	• Operating temperature:	-25°C to +85°C
	• Contact resistance:	≤50 mΩ
	• Dielectric strength:	1,000 VAC, 50/60 Hz for 1 minute
REACH	• Vibration resistance:	10-55 Hz, 1.5 mm peak-to-peak amplitude



-
- APPLICATIONS**
 - Enable and auxiliary-command buttons on joystick grips
 - Lift, lower and attachment controls on handheld controllers
 - Interlock and release inputs in door and gate control systems
 - Patient-call and function buttons on rehabilitation equipment
 - Signal changeover inputs for PLC and relay control circuits
 - Service and diagnostic controls on test equipment
 - Auxiliary controls on marine, vehicle and outdoor equipment

DESCRIPTION

The AX100 Series is a compact 16 mm momentary push-button switch available with either a single normally closed contact or an independent 1NO + 1NC contact arrangement. The 1NC version maintains a closed circuit in its normal position and opens the circuit while the button is pressed. The 1NO + 1NC version operates two electrically independent contact pairs from one actuator: pressing the button closes the normally open contact and opens the normally closed contact simultaneously. Both contacts automatically return to their original states when the button is released. This contact arrangement supports command-and-feedback functions, dual-signal inputs, circuit interlocking and equipment status changes without requiring two separate buttons. Illuminated and non-illuminated versions are available for applications requiring visual identification or operating-status indication. Nylon and metal housings provide options for different equipment designs and installation requirements. Solder-terminal models provide IP67 protection above the panel, while potted wire-lead models feature a fully sealed waterproof construction.

FEATURES

- Single 1NC or independent 1NO + 1NC contact configurations
- Simultaneous opening and closing of two independent circuits
- Suitable for command-and-feedback and dual-signal functions
- Illuminated and non-illuminated versions available
- IP67 protection
- Multiple actuator colors available

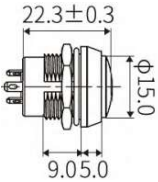
Build Your Part Number

AX1	16	6	1	2	3	1
Series Code	Panel Cutout	Terminal	Button Color	Button Style	Housing	Functions
AX1	16: φ16	6: Solder 7: Pre-wired AWG18# 4.2±0.1 160	1: ● (R) 2: ● (B) 3: ● (GR) 4: ● (BL) 5: ● (O) 6: ● (Y) 7: ● (G) 8: ○ (W)	1: 1# Button 2: 2# Button 3: 3# Button	3: Nylon housing 4: Metal housing 5: Nylon housing	1: 1NC 2 Pins 2: 1NO 1NC 4 Pins

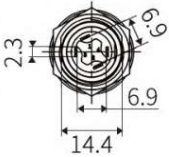
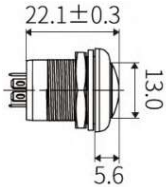
Accessories: Hex nut ×1; Rubber ring ×1

Dimensional Drawing

3# housing



5# housing



Z600 Series

Sealed LED Indicators



IP67

CE

RoHS

- Rated Current: 20 mA
- Voltage: 2VDC - 220VAC
- Dielectric strength: 1,000V RMS (Min)
- Insulation resistance: $\geq 100 \text{ M}\Omega$
- Temperature: $-25^{\circ}\text{C} + 80^{\circ}\text{C}$
- Withstand Voltage: 1000V 50/60Hz Last for 1 min
- Vibration: -10 to 55Hz 1.5mm Double amplitude



APPLICATIONS

- Power and heating-status indication on commercial beverage machines
- Ready and cycle-complete indication on sealing and packaging equipment
- Power and service-status indication on water-treatment equipment
- Heating, cooling and alarm indication on HVAC controllers
- Channel and output-status indication on laboratory power supplies
- Test-in-progress and result indication on inspection fixtures
- Equipment-status indication on communication racks
- Supply-status indication on electrical distribution panels
- Run and alarm indication on air-compressor control panels

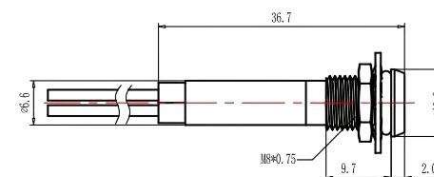
DESCRIPTION

The Z600 Series is a compact, flush-head LED indicator designed for clear status indication and a consistent panel appearance. Every model features the same flat-head design, making the series suitable for equipment with multiple indicators arranged alongside switches, displays and function labels. Available in 8 mm and 12 mm mounting sizes. Multiple LED colors allow designers to distinguish power, ready, running and fault conditions through a simple color-coded interface.

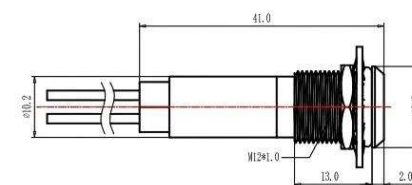
All Z600 indicators are supplied with 200 mm AWG22 wire leads, eliminating the need to solder directly to the indicator during equipment assembly. Voltage versions within the 2–220 VAC range are available to match the specified supply, with a rated current of 20 mA. IP67 protection above the panel helps protect the exposed front against water and dust; the rear connection area remains within the equipment enclosure.

Dimensional Drawing

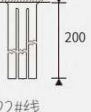
$\phi 8\text{mm}$



$\phi 12\text{mm}$



Build Your Part Number

Z6	12	6	8	1	0
Series Code	Panel Cutout	Head Style	Terminal	LED Color	LED voltage
Z6	08 	0 Flush 	9:9# Pre-wire 	1: (R) 2: (G) 3: (Y) 4: (BL) 5: (W)	0: Other 1: 2.4V 2: 6V 3: 12V 4: 24V 5: 110V 6: 220V

Accessories: Nut x1; Metal gasket; Rubber ring x1

Z800 Series

Sealed LED Indicators

IP67

CE

RoHS

- Rated Current: 20 mA
- Voltage: 2VDC - 220VAC
- Dielectric strength: 1,000V RMS (Min)
- Insulation resistance: $\geq 100 \text{ M}\Omega$
- Temperature: $-25^{\circ}\text{C} + 80^{\circ}\text{C}$
- Withstand Voltage: 1000V 50/60Hz Last for 1 min
- Vibration: -10 to 55Hz 1.5mm Double amplitude



APPLICATIONS



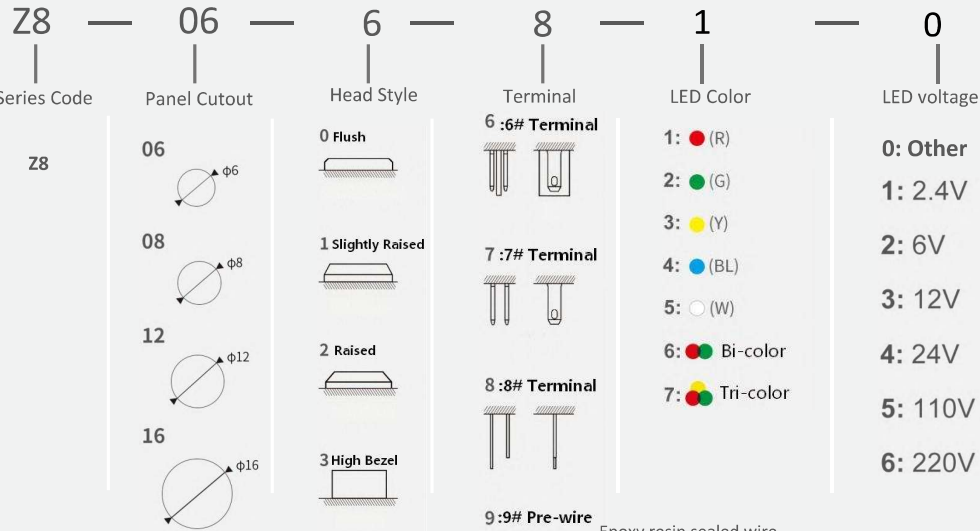
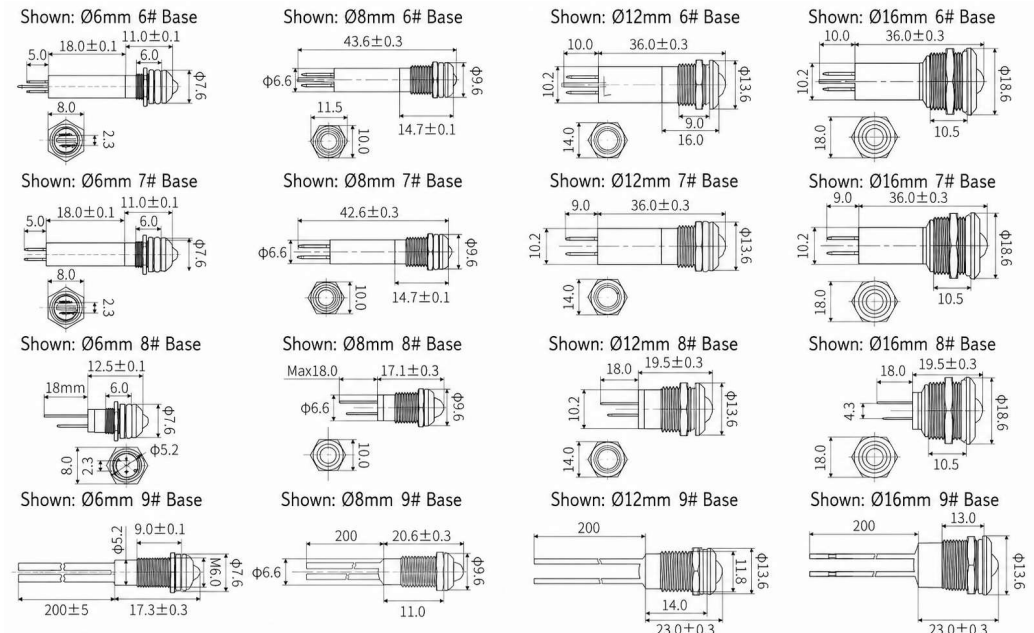
- Power-on, run and fault indication on electrical control cabinets
- Ready, cycle and alarm indication on machine-tool panels
- Battery, output and overload indication on generators and power equipment
- Pump, bilge, navigation-light and alarm indication on marine panels
- Operating-mode and warning indication on agricultural machinery
- Heating, cooling and fault indication on HVAC control panels
- Power and measurement-range indication on laboratory instruments
- Supply, mode and warning indication on railway and transport control panels
- Auxiliary-system indication on vehicles

DESCRIPTION

The Z800 Series is a compact metal panel-mount LED indicator designed to provide clear visual identification of power, operating status, selected functions, warnings and equipment conditions. Four mounting sizes—6 mm, 8 mm, 12 mm and 16 mm—allow the indicator to be integrated into compact instruments, equipment dashboards and larger control panels. The series features a silver-colored, bright nickel-plated brass housing and multiple head profiles for different panel designs and viewing requirements. Single-color LEDs are available in red, green, yellow, blue and white, with yellow-green and emerald-green options. Selected models also support red/green bi-color and RGB tri-color indication, allowing one indicator position to display multiple equipment states.

Voltage options from 2 to 220 VAC are available depending on the size and configuration, with a rated current of 20 mA. Solder-terminal models provide IP67 protection above the panel, while AWG22 pre-wired models feature a fully sealed waterproof construction. This combination of compact mounting, clear illumination and flexible electrical options makes the Z800 Series suitable for both equipment manufacturers and customized control-panel projects.

Dimensional Drawing



Accessories: Nut x1; Metal gasket; Rubber ring x1

- Note:
- Green LEDs are available in two shades: green and yellow-green
 - For the 6 mm mounting hole, the max voltage is 24 V. Bi-color and tri-color LEDs are not available.
 - 8# base is available for 2.4 V only
 - Bi-color and tri-color LEDs are available only with the 9# pre-wired terminal option.

- Zinc alloy case, lock core is bright chromium plating
- Bilateral milling tooth copper key, nickel plating
- The key can be pumped or double -pumping alone
- The terminal is silver-plated
- 4 terminals, the power-on method is ON-ON (2NO 2NC)
- 2 terminals the power-on method is OFF-ON (1NO 1NC)



P/N: D102

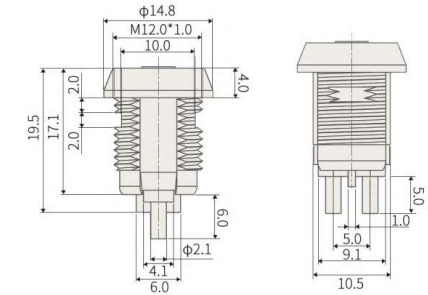


Fig.No.	Lock Number	Pole	Positions	Terminals	Key Pulls	Off	On	Trun	Type
1	D102	1	2	2	2	Off	On	90°	SPST

P/N: D286A

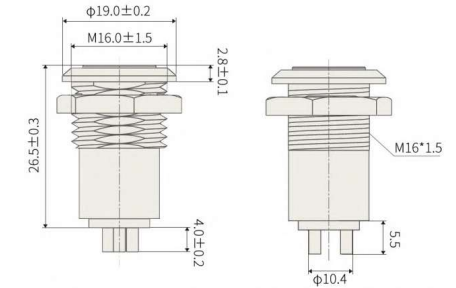


Fig.No.	Lock Number	Pole	Positions	Terminals	Key Pulls	Off	On	Trun	Type
1	D286A-1	2	2	4	1	Off	On	90°	DPST
2	D286A-2	2	2	4	2	Off	On	90°	DPST

P/N: D332

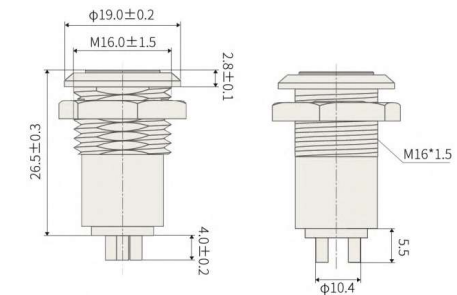


Fig.No.	Lock Number	Pole	Positions	Terminals	Key Pulls	Off	On	Trun	Type
1	D332	1	2	2	2	Off	On	60°	SPST