

General Purpose Basic Switches



Z Basic Switch

- High Precision and wide variety of styles meet wide range of applications.
- High reliability reduces maintenance costs.
- Standard mounting holes allow installation or replacement for wide range of applications.

Applications

Heavy duty vehicle, pressure gauge, power transformer, elevator

Switching Current (Resistive)

15A @ 250VAC
6A @ 30VDC
0.5A @ 125VDC

Contact Form

SPDT

Mechanical Service Life

20,000,000 cycles (for pin plunger type)

Electrical Service Life

500,000 cycles @ rated load

Actuator Types (Typical types)

Pin plunger, slim plunger, short plunger, hinge lever, panel mount plunger, roller lever, flexible rod.

Popular Part Number

- Z-15GW22-B
- Z-15GQ-B



A Basic Switch

- Compact size capable of handling 20A loads, no need for contactor or breaker.
- Resist 75 Amps of inrush current no need contact protective circuit.
- High-capacity load can be switched directly without additional components for lower cost installation.

Applications

Heater, motor, dryer, home appliance, mower, forklift, pressure switch.

Switching Current (Resistive)

20A @ 250VAC
6A @ 30VDC
0.5A @ 125VDC

Contact Form

SPDT

Mechanical Service Life

1,000,000 cycles

Electrical Service Life

500,000 cycles @ rated load

Actuator Types (Typical types)

Pin plunger, short plunger hinge lever, panel mount plunger, roller lever, short hinge lever, panel mount cross roller.

Popular Part Number

- A-20GV-B
- A-20GV2-B



X Basic Switch

- Can be used for either load rating of DC or AC for wide variety of applications.
- Most manufactures only produce DC version.
- Standard mounting holes allow for wide range of applications.

Applications

Power transformer, pressure gauge, forklift, elevator.

Switching Current (Resistive)

10A @ 125VDC/AC
3A @ 250VDC/AC

Contact Form

SPDT

Mechanical Service Life

1,000,000 cycles

Electrical Service Life

100,000 cycles @ rated load

Actuator Types (Typical types)

Pin plunger, hinge lever, slim plunger, short plunger, panel mount plunger, leaf spring lever, short hinge roller lever.

Popular Part Number

- X-10G-B
- X-10GW22-B



TZ Basic Switch

- Stable operation at an ambient temperature of 400°C for extreme applications.
- Platinum contacts insure high reliability for long life.

Applications

Boiler, power plant, heater, level switch, temperature switch.

Switching Current (Resistive)

1A @ 250VAC
1A @ 30VDC

Contact Form

SPDT

Mechanical Service Life

100,000 cycles

Electrical Service Life

50,000 cycles @ rated load

Actuator Types (Typical types)

Pin plunger, hinge lever, roller lever, short hinge roller lever.

Popular Part Number

- TZ-1G
- TZ-1GV



DZ Basic Switch

- Compact DPDT contacts for size restricted applications.
- Can switch two independent circuits operating on different voltages for wide variety of applications.
- Cost effective for 2 circuit applications.

Applications

Power transformer, heavy duty vehicle, foot switch.

Switching Current (Resistive)

10A @ 250VAC
0.5A @ 125VDC

Contact Form

DPDT

Mechanical Service Life

1,000,000 cycles

Electrical Service Life

500,000 cycles @ rated load

Actuator Types (Typical types)

Pin plunger, hinge lever, roller lever

Popular Part Number

- DZ-10GW22-1B
- DZ-10GV2-1B

General Purpose Limit Switches



ZE Limit Switch

- Long service life, High Breaking Capacity, which saves on maintenance cost.
- Three mounting options for ease of application.
- Terminal arrangement of built-in switch makes easy wiring.

Applications

Heavy duty vehicle, machine tool, forklift.

Switching Current (Resistive)

15A @ 250VAC
6A @ 30VDC
0.5A @ 125VDC

Contact Form

SPDT

Mechanical Service Life

10,000,000 cycles

Electrical Service Life

500,000 cycles @ rated load

Actuator Types (Typical types)

Plunger, roller plunger, roller arm lever.

Popular Part Number

- ZE-Q22-2
- ZE-N-2



D4C Limit Switch

- Sealed compact and slim-bodied switch offers choice of many actuators which meet wide range of application.
- Plunger versions can be gang mounted for space restricted applications.
- Optional indicator lights available for ease of trouble shooting.

Applications

Parking equipment, assembly machine, machine tool.

Switching Current (Resistive)

5A @ 250VAC
4A @ 30VDC
0.4A @ 125VDC

Contact Form

SPDT

Mechanical Service Life

10,000,000 cycles

Electrical Service Life

200,000 cycles @ rated load

Actuator Types (Typical types)

Plunger, roller plunger, roller lever, seal plunger.

Popular Part Number

- D4C-1220
- D4C-1601



D4A Limit Switch

- Robust metal housing for industrial applications.
- Wide temperature range -40 °C to +100 °C (standard type) for use in heavy duty applications.
- Easy mounting for short installation time.

Applications

Processing equipment, assembly machine, machine tool.

Switching Current (Resistive)

10A @ 250VAC
6A @ 30VDC
0.4A @ 125VDC

Contact Form

SPDT, DPDT

Mechanical Service Life

50,000,000 cycles (SPDT),
30,000,000 cycles (DPDT)

Electrical Service Life

1,000,000 cycles @ rated load (SPDT),
750,000 cycles @ rated load (DPDT)

Actuator Types (Typical types)

Plunger, side rotary lever

Popular Part Number

- D4A-3101N
- D4A-3E01N



WL-N Limit Switch

- Two-circuit switch for reliable switching.
- Standard models, Environment-resistant models, Spatter-prevention models, and Long Life models offer wide range application.

Applications

Machine tool, welding machine, automotive assembly.

Switching Current (Resistive)

10A @ 500VAC
6A @ 30VDC
0.8A @ 125VDC

Contact Form

Single Pole/Double Break

Mechanical Service Life

15,000,000 cycles

Electrical Service Life

750,000 cycles @ rated load
- Standard type

Actuator Types (Typical types)

Plunger, roller lever, variable rod lever.

Popular Part Number

- WLCA2-N
- WLCL-LD-N



SHL Limit Switch

- Small housing for narrow applications.
- Easy mounting for quick installation.
- Gold contacts and Indicator light options available.
- Cable outlet direction can be changed to right side or left side.

Applications

Machine tool, assembly machine, molding machine.

Switching Current (Resistive)

10A @ 250VAC
5A @ 30VDC
0.4A @ 125VDC

Contact Form

SPDT

Mechanical Service Life

10,000,000 cycles

Electrical Service Life

500,000 cycles @ rated load

Actuator Types (Typical types)

Plunger, panel mount plunger, hinge lever

Popular Part Number

- SHL-W255
- SHL-D55