

General Purpose Basic Switches

Navigation Guide



Product Line	Z	A	X	TZ	DZ
Selling Tips	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.	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.	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.	Stable operation at an ambient temperature of 400°C for extreme applications. Platinum contacts insure high reliability for long life.	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.
Typical Applications	Heavy duty vehicle, pressure gauge, power transformer, elevator.	Heater, motor, dryer, home appliance, mower, forklift, pressure switch.	Power transformer, pressure gauge, forklift, elevator.	Boiler, power plant, heater, level switch, temperature switch.	Power transformer, heavy duty vehicle, foot switch.
Switching Current (Resistive)	15A @ 250VAC 6A @ 30VDC 0.5A @ 125VDC	20A @ 250VAC 6A @ 30VDC 0.5A @ 125VDC	10A @ 125VDC/AC 3A @ 250VDC/AC	1A @ 250VAC 1A @ 30VDC	10A @ 250VAC 0.5A @ 125VDC
Contact Form	SPDT	SPDT	SPDT	SPDT	DPDT
Mechanical Service Life	20,000,000 cycles (for pin plunger type)	1,000,000 cycles	1,000,000 cycles	100,000 cycles	1,000,000 cycles
Electrical Service Life	500,000 cycles @ rated load	500,000 cycles @ rated load	100,000 cycles @ rated load	50,000 cycles @ rated load	500,000 cycles @ rated load
Popular Part No.	Z-15GW22-B, Z-15GQ-B	A-20GV-B, A-20GV2-B	X-10G-B, X-10GW22-B,	TZ-1G, TZ-1GV	DZ-10GW22-1B, DZ-10GV2-1B
Actuator Types (Typical types)	Pin plunger, slim plunger, short plunger, hinge lever, panel mount plunger, roller lever, flexible rod.	Pin plunger, short plunger, hinge lever, panel mount plunger, roller lever, short hinge lever, panel mount cross roller.	Pin plunger, hinge lever, slim plunger, short plunger, panel mount plunger, leaf spring lever, short hinge roller lever.	Pin plunger, hinge lever, roller lever, short hinge roller lever.	Pin plunger, hinge lever, roller lever.

General Purpose Limit Switches

Navigation Guide

OMRON
AUTOMATION & SAFETY



Product Line	ZE	D4C	D4A	WL-N	SHL
Selling Tips	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.	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.	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.	Two-circuit switch for reliable switching. Standard models, Environment-resistant models, Spatter-prevention models, and Long Life models offer wide range application.	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.
Typical Applications	Heavy duty vehicle, machine tool, forklift.	Parking equipment, assembly machine, machine tool.	Processing equipment, assembly machine, machine tool.	Machine tool, welding machine, automotive assembly.	Machine tool, assembly machine, molding machine.
Switching Current (Resistive)	15A @ 250VAC 6A @ 30VDC 0.5A @ 125VDC	5A @ 250VAC 4A @ 30VDC 0.4A @ 125VDC	10A @ 250VAC 6A @ 30VDC 0.4A @ 125VDC	10A @ 500VAC 6A @ 30VDC 0.8A @ 125VDC	10A @ 250VAC 5A @ 30VDC 0.4A @ 125VDC
Contact Form	SPDT	SPDT	SPDT, DPDT	Single Pole/Double Break	SPDT
Mechanical Service Life	10,000,000 cycles	10,000,000 cycles	50,000,000 cycles (SPDT), 30,000,000 cycles (DPDT)	15,000,000 cycles	10,000,000 cycles
Electrical Service Life	500,000 cycles @ rated load	200,000 cycles @ rated load	1,000,000 cycles @ rated load (SPDT), 750,000 cycles @ rated load (DPDT)	750,000 cycles @ rated load - Standard type	500,000 cycles @ rated load
Popular Part No.	ZE-Q22-2, ZE-N-2	D4C-1220, D4C-1601	D4A-3101N, D4A-3E01N	WLCA2-N, WLCL-LD-N	SHL-W255, SHL-D55
Actuator Types (Typical types)	Plunger, roller plunger, roller arm lever.	Plunger, roller plunger, roller lever, seal plunger.	Plunger, side rotary lever.	Plunger, roller lever, variable rod lever.	Plunger, panel mount plunger, hinge lever.