

INGINE CO.

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TRANSPORTATION SWITCHES

SWITCH COMPONENTS HEAVY DUTY LINE

BATTERY DISCONNECTS



HDB2 SERIES

300A High-Current continuous rating; 2000A for 5 second intervals. Heavy-duty steel construction sealed with O-rings at base and mounting stem. Case and terminal insulator. Rated IP67.

SWITCH COMPONENTS

Indexing pin aligns the switch with the mounting panel and prevents rotation.
Optional lock-out feature to prevent accidental activation during vehicle maintenance.

- Mounting Stem: 3/4" - 16 Thread with hex nut and lock washer. Fits Panel up to 1/4" thick.

P/N Function

HDB2-1A-3-A1	SPST	Doesn't disconnect alternator or generator field circuit. On vehicles equipped with alternators, engine must be shut off to avoid potential damage to alternator diodes	
HDB2-2A-3-A1	DPST	For battery and alternator or generator field circuit. Design to break alternator generator circuit prior to battery circuit disconnect	

BATTERY DISCONNECTS



HDB3 SERIES

Designed for challenging work environments and/or heavy work applications, where durability is the main concern. Rugged diecast zinc body provides corrosion resistance, with weather resistant O-rings at base and mounting stem.
180A continuous rating and 1000A for 15 second intervals.

Splashproof protection perfect for vehicles that have switches mounted in the cab or in a box.

Available with lever or encapsulated removable keys. Indexing pin option offered. Mounting Stem: 3/4" - 16 Thread with hex nut and lock washer. Fits Panel up to 1/4" thick.

P/N	Function		Lever/Key	Features
HDB3-1A-3-A	SPST	Doesn't disconnect alternator or generator field circuit.	Operated lever	-
HDB3-1A-3-A1	SPST	Doesn't disconnect alternator or generator field circuit.	Operated lever	w/ Index Pin
HDB3-1A-3-C1	SPST	Doesn't disconnect alternator or generator field circuit.	Plastic encapsulated key	w/ Index Pin
HDB3-2A-3-A	DPST	For battery and alternator or generator field circuit.	Operated lever	-
HDB3-2A-3-A1	DPST	For battery and alternator or generator field circuit.	Operated lever	w/ Index Pin
HDB3-2A-3-C1	DPST	For battery and alternator or generator field circuit.	Plastic encapsulated key	w/ Index Pin

IGNITION SWITCHES



Universal 4 Position Ignition Switch with spring return to Ign/Acc position: Accessory – Off – Ignition/Accessory – Ignition/Start.

Easily replaces any other type of ignition key switch with similar mounting dimensions:

- o HDI1: Mounting Stem 7/16" long, 3/4" 20 Thread
- o HDI2: Mounting Stem 1/3" long, 1" 28 Thread
- Heavy-duty zinc diecast construction to withstand harsh environments.

Anti-Restart option offered to prevent the operator from restarting a running engine.

P/N	Lever/Key	Features
HDI1-4A-3-B	Standard brass key	-
HDI1-4A-3-B1	Standard brass key	Anti Restart
HDI1-4A-3-A1	Operated Lever	Anti Restart
HDI2-4A-3-D	Square brass key	-

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IGNITION SWITCHES



SOLENOID SWITCHES



SOLENOID SWITCHES



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HDI3 SERIES



General purpose universal locking switch that provides security and safety for 15A 6VDC / 10A 12VDC applications.

- Compact heavy-duty zinc diecast construction with bronze terminals. Mounting Stem 3/4" long, 3/4" - 20 Thread.
- Two positions (Single Throw OFF-ON) and three positions (Double Throw ON-OFF-ON) options are offered.

N	Positions	Lever/Key
I3-3B-1-B	ON / OFF / ON	Standard brass key
I3-2B-1-B	OFF / ON	Standard brass key

HDS1 SERIES

- Grounded intermittent solenoid with phenolic body , that makes them light weight and durable. Resistant to corrosion and extreme temperatures.
- Intermittent solenoid, actuated for a short amount of time (30 seconds), can handle extremely high current. 200A make and break rating. It works great on small-medium starter engines.
- Three terminals grounded solenoid with mounting hardware serving as the ground connection.

N	Grounding	Number of Terminals	Voltage Rating
S1-G3-12	Grounded	3	12V
S1-G3-24	Grounded	3	24V

HDS2 SERIES

- Bare metal body continuous duty solenoids for stable performance in extreme temperatures. These solenoids can be actuated indefinitely and handle lower current levels. 100A continuous rating.
- Insulated (Four terminals) and grounded (Three terminals) base options available.
- $12 \mbox{V}$ and $24 \mbox{V}$ solenoid choices are available to accommodate different applications.

N	Grounding	Number of Terminals	Voltage Rating
62-14-12	Insulated	4	12V
82-14-24	Insulated	4	24V
62-G3-12	Grounded	3	12V
82-G3-24	Grounded	3	24V