



KISSLING HIGH VOLTAGE BATTERY DISCONNECT SWITCH

Seamlessly Switches the Power for Safe Maintenance

Designed to meet the rigorous demands of the industrial and commercial transportation industry, TE's high voltage (HV) battery disconnect switches from the KISSLING product family are robust solutions to provide the utmost safety through disconnecting power for safe maintenance.

They are now available in multiple versions: 250 A (without High Voltage Interlock) and 400 A / 500 A (with High Voltage Interlock).

Engineered to TE's high standards, our HV battery switches are built to withstand extreme conditions, boasting an IP67 and IP6K9K protection class. With a high resistance to shock and vibration as well as an operating temperature range of -40°C to +85°C, they are ideal for high power applications commonly found in the truck, bus, agricultural, construction, fork-lift, marine, and other industrial vehicle markets.

Equipped with signal orange actuators designed for HV applications, our manual battery disconnect switches are capable of handling continuous currents up to 500 A and a voltage of 1000VDC @ 7000m. This makes them highly reliable and suitable for demanding tasks in all areas of the vehicle.

By using these switches, technicians can safely disconnect the power circuit from the battery to the equipment, ensuring a secure working environment.

As the market continues to evolve, we will continue to expand the product offerings in this series with additional models to enable you to stay efficient and ahead of your industry.

FEATURES

- Provide complete integration with high voltage wiring systems with up to 1000 V operating voltage
- Reliable protection against water & dust with IP67 & IP6K9K
- Withstand extreme temperature & high resistance to shock and vibrations
- Lead with safety first through "Lockout/Tagout" or removable handles

INDUSTRIES

- Truck
- Bus
- Construction
- Agriculture
- Ground support vehicles
- Fork lift
- Marine
- Aircraft

TYPICAL APPLICATIONS

- Disconnect main power or accessory system power for safe maintenance
- Battery shutdown in vehicle applications
- Theft prevention / protection against unauthorized use of the vehicles or equipment

KISSLING HIGH VOLTAGE BATTERY DISCONNECT SWITCH

Series 35H

SPECIFICATION

Technical Data	250 A / 400 A / 500 A
Case material Cover / Base plate	PA GF black
Switch lever material	PA GF orange RAL 2003
Min. insulating resistance	100M Ω
Dielectric withstanding voltage	Up to 3000VAC - 1 min.
Max. contact voltage drop at nominal load	150 mV (at end of life)
Operating voltage	up to 1000VDC @ 7000m (no switching under load)
Duty rating at minimum wire section	250 A / 400 A / 500 A
Minimum wire section	250 A - min 70mm ² 400 A - min 150mm ² 500 A - min 240mm ²
Overload rating (with contacts closed - overload not possible with contacts in motion)	250 A = 1000 A - 30s, 500 A - 180s 400 A = 2000 A - 10s, 1600 A - 90s, 1200 A - 240s 500 A = 2500 A - 10s, 2000 A - 90s, 1500 A - 240s
Sealing	IP67 and IP6K9K
Vibration	4G / 10 - 2000Hz
Shock	25G / 15ms 50G / 6ms
Temperature range	-40°C to +85°C
Mounting position	any orientation
Switch lever	250 A - non-removable or lockable (depending on model) 400 A / 500A - removable and lockable
Max torque (main terminals)	12-13Nm (250 A), 20-25Nm (400 A/500 A)
Auxiliary contact (ONLY for 400 A / 500 A models)	
Continuous current	5 A
Nominal voltage	24 VDC
Min. switching capacity	12 VDC / 10 mA

ORDERING INFORMATION

TE Part Number	KISSLING Part Number	AMP Rating	Handle Type	Auxiliary Contacts
K1167316	35H-210-000-OR-900	250 A	Removable, not Lockable	No
K1167328	35H-210-051-OR-900	250 A	Non-removable, Lockable (requires aligned tab on panel)	No
K5000037	35H-411-0100-OR210-0001	400 A	Removable and/or Lockable (integrated)	Yes, HVIL function
K5000038	35H-511-0100-OR210-0001	500 A	Removable and/or Lockable (integrated)	Yes, HVIL function

