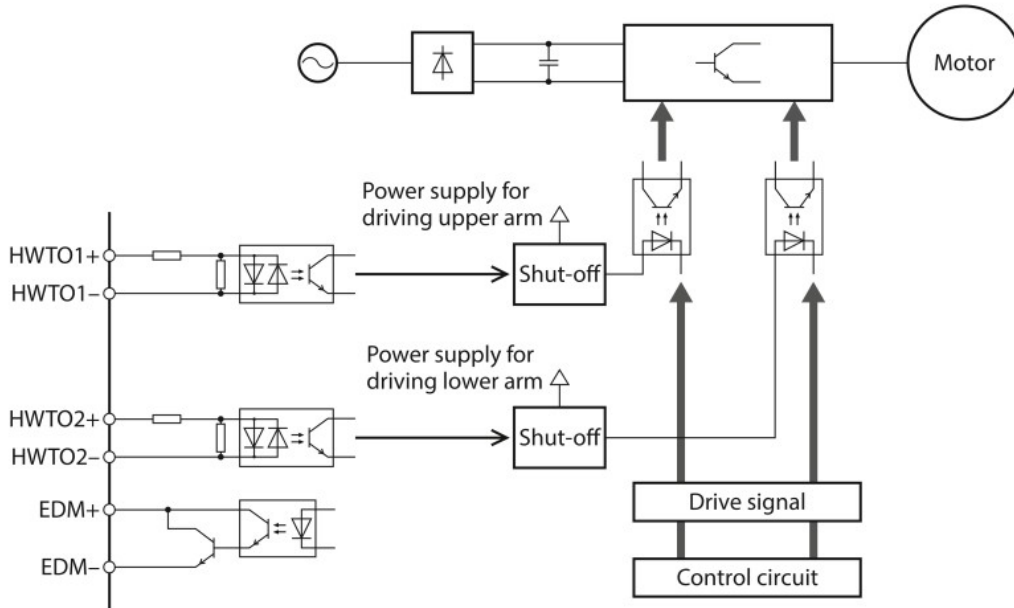


7 Power removal function (STO function: Safe Torque Off function)

The STO function is a function that shuts off the power supplying to the motor.

This function shuts off the drive signal of the inverter circuit that controls the motor current with two safety input channels (HWTO1 input, HWTO 2 input). This shuts off the power supplying to the motor. Be sure to stop the motor before executing the STO function.

The STO function is assumed to be used for the purpose of preventing equipment from starting unexpectedly. Use it for preventing hazardous operations of movable parts during maintenance of the equipment.



Note Be sure to check the motor is in a standstill state before executing the STO function. If the STO function is executed while the motor is operated, it may cause damage to the motor, driver, or equipment.

7-1 Applicable standards and safety parameters

■ Applicable products

Type	Power supply input	Driver model
Built-in controller type	Single-phase 100-120 V	AZD-AD
	Single-phase/Three-phase 200-240 V	AZD-CD
Pulse input type with RS-485 communication interface	Single-phase 100-120 V	AZD-AX
	Single-phase/Three-phase 200-240 V	AZD-CX
Pulse input type	Single-phase 100-120 V	AZD-A
	Single-phase/Three-phase 200-240 V	AZD-C