

# FR-D700-SC-EC Series

# FR-E700-SC-EC Series

## Safety Precaution

### ●Safety precaution for multiple connections of the safety stop function

When connecting multiple FR-D700-SC-EC series and FR-E700-SC-EC series to a safety relay module, follow the precautions below.

**The safety stop function does not function correctly in case of an improper connection.**

#### (1) Combination availability when using the safety stop function

When connecting to a safety stop relay module, an inverter (FR-D700-EC) with sink-logic safety stop terminals (S1, S2) must not be connected together with an inverter (FR-D700-SC-EC and FR-E700-SC-EC) with source-logic safety stop terminals.

The following table shows the combination availability.

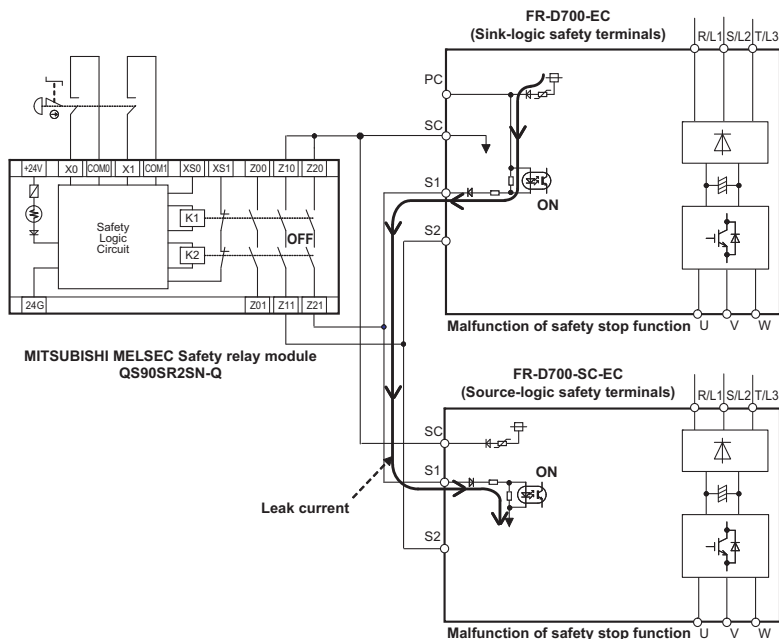
Model (Safety stop terminal logic)	FR-D700-EC (SINK)	FR-D700-SC-EC (SOURCE)	FR-E700-SC-EC (SOURCE)
FR-D700-EC (SINK)	○	×	×
FR-D700-SC-EC (SOURCE)	×	○	○
FR-E700-SC-EC (SOURCE)	×	○	○

○: Can be connected together.

×: Do not connect together.

## (2) Circuit example of improper connection

The following circuit example causes a malfunction of the safety stop function. Leak current flows if an inverter with sink-logic safety stop terminals is wired together with an inverter with source-logic safety stop terminals.



### NOTE

- Check the inverter model with the label on the product package and the rating plate before wiring. For the location of the rating plate, refer to *the Instruction Manual of the inverter*.
- Check the control logic of the safety circuit for other peripheral devices before connecting to a safety relay module.