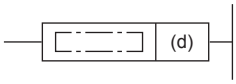
Resetting annunciator

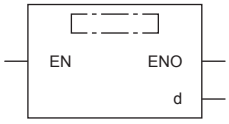
RST F

FX5S FX5UJ FX5U FX5UC

This instruction turns OFF the specified annunciator.

Ladder diagram	Structured text
	ENO:=RST(EN,d);

FBD/LD



("RST" enters □.)

Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(d)	Annunciator number (F number) that is reset	—	Bit	ANY_ELEMENTARY
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

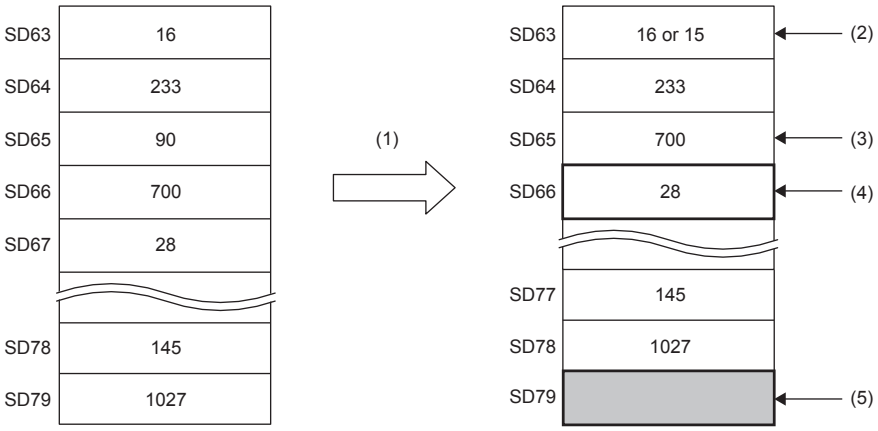
■Applicable devices

Operand	Bit	Word			Double word		Indirect specification	Constant			Others
	X, Y, M, L, SM, F, B, SB, S	T, ST, C, D, W, SD, SW, R	U□\G□	Z	LC	LZ		K, H	E	$	
(d)	○*1	—	—	—	—	—	—	—	—	—	—

*1 Only F can be used.

Processing details

- This instruction turns OFF the annunciator specified by (d) when the execution command turns ON.
- An annunciator number (F number) that turns OFF is deleted from special registers (SD64 to SD79) and the content of SD63 is decremented by 1.
- When the content of SD63 is 16, annunciator numbers are deleted from SD64 to SD79 by the RST instruction. Also, if an annunciator not registered in SD64 to SD79 turns ON, its number is registered. When there are two or more unregistered numbers, this instruction adds the numbers starting from the smallest annunciator number. SD63 is not decremented by 1 when the numbers not registered in SD64 to SD79 are turned OFF.



(1): F90 is reset.
(2): When F number that is not registered in SD79 is stored, this remains as 16. When SD79 is 0, the number is decremented by -1 to become 15.
(3): The F number in SD66 is shifted to this area.
(4): F number of SD67 is stored.
(5): Not registered F number or 0 is stored.

■Related devices

Device	Name	Description
SD62	Annunciator (F) Detection No.	This register stores the earliest detected annunciator (F) No.
SD63	Annunciator (F) Detection Number	This register stores the number of annunciator (F) detections.
SD64 to SD79	Annunciator (F) Detection No. table	This register stores the annunciator (F) detection No.

Operation error

There is no operation error.