

Restarting a block

RSTART [BL□]

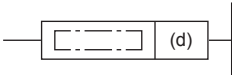
FX5S

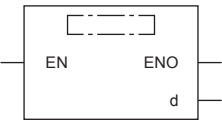
FX5UJ

FX5U


FX5UC

This instruction releases the temporary stop, and restarts the sequence from the step where the sequence was stopped in the specified block.

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

FBD/LD


■Execution condition

Instruction	Execution condition
RSTART	

Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(d)	Block No. where the temporary stop is released	—	Bit	ANY_BOOL
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

■Applicable devices

Operand	Bit	Word			Double word		Indirect specification	Constant			Others (BL□)
	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)	—	—	—	—	—	—	—	—	—	—	○

Processing details

- This instruction restarts the sequence from the step where the sequence was stopped in the specified block. Operation HOLD steps (with or without transition check), which have been stopped with operation hold status, restart operation with the hold status.
- After the step sequence is restarted, the operation of the PLS instruction and the instructions which are executed only on the rising edge depends on the status of SM325 (output mode at pausing a block).

Status of SM325	Operation of the PLS instruction and the instructions executed on the rising edge
On (Coil output is held.)	The instruction is not executed.
Off (Coil output is off.)	The instruction is executed again.

Precautions

If the sequence is stopped while SM325 is off, coil HOLD steps become inactive. The sequence cannot be restarted with the hold status. If the sequence is stopped while SM325 is on, the sequence can be restarted with the hold status.

Operation error

Error code (SD0)	Description
31A1H	The specified block does not exist.
	The instruction is executed when no SFC program (scan execution type) exists or SM321 (Start/stop SFC program) is off.
31A2H	The specified block No. is out of the range.
3582H	The SFC control instruction is used in the interrupt routine program.