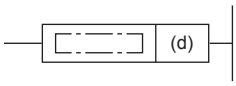
Falling edge output

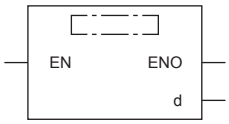
PLF

FX5S FX5UJ FX5U FX5UC

This instruction turns ON the device specified by (d) for one scan when the PLF command turns from ON to OFF, and turns OFF in other cases.

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

FBD/LD



Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(d)	Device to be converted to pulse	—	Bit	ANY_BOOL
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

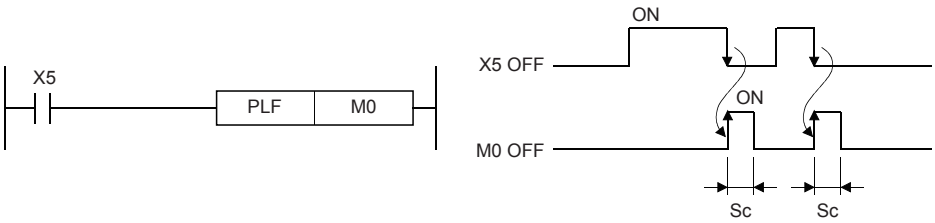
■Applicable devices

Operand	Bit	Word			Double word		Indirect specification	Constant			Others (DY)
	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	○*2	—	—	—	—	—	—	—	○

*1 T, ST, and C cannot be used.
*2 Only the FX5 intelligent function module can be used.

Processing details

- This instruction turns ON the specified device for one scan when the PLF command turns OFF from ON, and turns OFF in other cases. When there is one PLF instruction programmed for the device specified by (d) during a scan, the specified device turns ON for one scan.



Sc: 1 scan

- If the RUN/STOP/RESET switch is changed from RUN to STOP after execution of the PLF instruction, the PLF instruction will not be executed even if the switch is set to RUN again.

Precautions

- When write during RUN is completed for a circuit including a falling edge instruction (LDF/ANDF/ORF instruction), the instruction is not executed regardless of the ON/OFF status of the target device of the falling edge instruction. Also, in the case of a falling edge instruction (PLF instruction), the instruction is not executed regardless of the ON/OFF status of the device that is set as the operation condition. The instruction is executed when the target device and the device in the operation conditions is set from ON to OFF again.
- Note that the device specified by (d) sometimes turns ON for one scan or more when the PLF instruction is made to jump by the CJ instruction or the executed subroutine program was not called by the CALL(P) instruction.

Operation error

There is no operation error.