

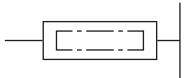
Returning from the subroutine program

RET/SRET

FX5S FX5UJ FX5U FX5UC

These instructions indicate an end of a subroutine program.

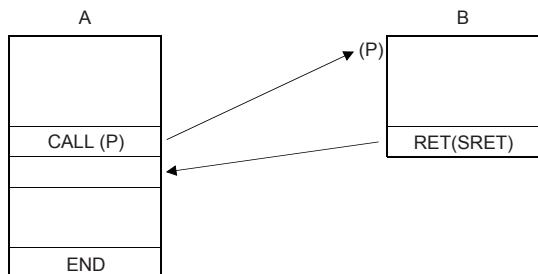
The RET instruction can be used as SRET.

Ladder diagram	Structured text
	Not supported

FBD/LD
Not supported.

Processing details

- These instructions indicate an end of a subroutine program.
- When the RET instruction is executed, the program execution returns to the step following the CALL(P) or XCALL instruction that called the subroutine program.



A: Main routine program

B: Subroutine program

8

Precautions

- If the RET (SRET) instruction is executed in a user interrupt program (I-IRET), a compiling error occurs.

Operation error

Error code (SD0/SD8067)	Description
3381H	The END, FEND, GOEND, or STOP instruction is executed before the RET instruction is executed.
3382H	While the number of nesting levels is decreased by the return instruction, the result becomes negative. (The number of RET (SRET) instructions is larger than that of the CALL instructions.)
33E3H	The RET instruction is programmed and written between the FOR and NEXT instructions.
33E5H	The RET instruction is programmed and written between the STL and RETSTL instructions.
33E6H	The program for executing the RET instruction is written before the CALL or XCALL instruction is executed.
33E7H	The RET instruction is programmed and written between the MC and MCR instructions. A program is written with no (P) before the RET instruction. The program for executing the RET instruction is written between the I and IRET instructions.