

# Closing a connection

## SP.SOCCLOSE

FX5S

FX5UJ

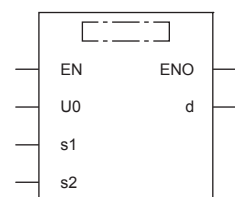
FX5U

FX5UC

This instruction closes a connection.

Ladder diagram	Structured text
	<pre>ENO:=SP_SOCCLOSE(EN,U0,s1,s2,d);</pre>

### FBD/LD



("SP\_SOCCLOSE" enters □.)

13

## Setting data

### ■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(U)*1	Dummy (Input the character string ["U0"].)	—	String	__*2 (ANYSTRING_SINGLE)
(s1)	Connection number	1 to 8	16-bit unsigned binary	ANY16
(s2)	Head device number for storing the control data	Refer to Control data ( Page 1034)	Word	ANY16_ARRAY (Number of elements: 2)
(d)	Head device number which turns ON when the execution of the instruction is completed and remains on for 1 scan. If the instruction is completed with an error, (d)+1 is also turned on.	—	Bit	ANYBIT_ARRAY (Number of elements: 2)
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

\*1 In the case of the ST language and the FBD/LD language, U displays as U0.

\*2 Regardless of the program language to be used, the data type is specified by a device. Do not specify a label.

### ■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	\$	
(U)	—	—	—	—	—	—	—	—	—	○	—
(s1)	—	○	—	—	—	—	○	○	—	—	—
(s2)	—	○	—	—	—	—	○	—	—	—	—
(d)	○	○*1	—	—	—	—	—	—	—	—	—

\*1 T, ST, and C cannot be used.

## Control data

Device	Item	Description	Setting range	Set by <sup>*1</sup>
(s2)+0	System area	—	—	—
(s2)+1	Completion status	The status at the completion of the instruction is stored. 0000H: Completed successfully Other than 0000H: Completed with an error (error code) For error codes, refer to MELSEC iQ-F FX5 User's Manual (Communication).	—	System

\*1 System: The CPU module stores the execution result of the instruction.

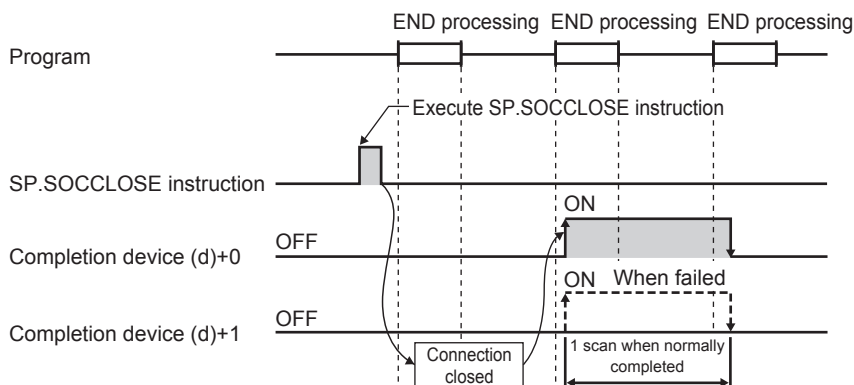
## Processing details

This instruction closes the connection specified by (s1). (Connection disconnection)

The completion of the SP.SOC\_CLOSE instruction can be checked using the completion devices (d)+0 and (d)+1.

- Completion device (d)+0: Turns ON during the END processing for the scan in which the SP.SOC\_CLOSE instruction is completed, and turns OFF during the next END processing.
- Completion device (d)+1: Turns ON or OFF depending on the status when the SP.SOC\_CLOSE instruction is completed.

Status	Description
When completed normally	The device does not change (remains OFF).
When completed with an error	The device turns ON during the END processing for the scan in which the SP.SOC_CLOSE instruction is completed, and turns OFF during the next END processing.



For details, refer to MELSEC iQ-F FX5 User's Manual (Communication).

## Operation error

Error code (SD0/SD8067)	Description
3405H	The connection number specified by (s1) is other than 1 to 8.
2820H	The device number specified by (s2) or (d) is outside the range of the number of device points.
2822H	Device that cannot be specified is specified.
3582H	When an instruction which cannot be used in interruption routine program is used.



Do not execute the SP.SOC\_CLOSE instruction when Passive open is selected. Since the open completion signal and open request signal of the corresponding connection turn OFF and close processing is executed, the communication is disabled.