

Closing a connection

GP.CLOSE



FX5S

FX5UJ

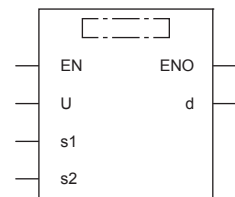
FX5U

FX5UC

This instruction closes a connection.

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

FBD/LD



("GP_CLOSE" enters □.)

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Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(U)	Position number of the module connected	■FX5UJ CPU module 1H to 8H ■FX5U/FX5UC CPU module 1H to 10H	16-bit unsigned binary	ANY16
(s1)	Connection number	1 to 32	16-bit unsigned binary	ANY16
(s2)	Head device number for storing the control data	Refer to Control data (Page 1068)	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

■Applicable devices

Operand	Bit	Word			Double word		Indirect specification	Constant			Others (U)
	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 ^{*1}
(s2)+0	System area	—	—	—
(s2)+1	Completion status	<p>The status at the completion of the instruction is stored.</p> <p>0000H: Completed successfully</p> <p>Other than 0000H: Completed with an error (error code)</p> <p>For error codes, refer to the manual below.</p> <p>📖 MELSEC iQ-F FX5 Ethernet Module User's Manual</p> <p>📖 MELSEC iQ-F FX5 EtherNet/IP Module User's Manual</p>	—	System

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

Processing details

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

The completion of the GP.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 GP.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 GP.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 GP.CLOSE instruction is completed, and turns OFF during the next END processing.

Operation error

Error code ((s2)+1)	Description
C000H to CFFFH	<p>Refer to 📖 MELSEC iQ-F FX5 Ethernet Module User's Manual.</p> <p>Refer to 📖 MELSEC iQ-F FX5 EtherNet/IP Module User's Manual.</p>

Point

Do not execute the GP.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.