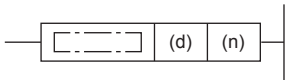
Positioning by one table operation

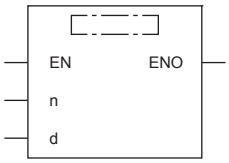
TBL [For the FX3 compatible operand specification]

FX5S FX5UJ FX5U FX5UC

This instruction executes one specified table operation from the instructions set in the data table using the engineering tool etc. Only CPU module is supported.

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

FBD/LD



Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(d)	Bit device number (Y) from which pulses are output	■FX5S/FX5UJ CPU module 0 to 2 ■FX5U/FX5UC CPU module 0 to 3	Bit	ANY_ELEMENTARY (BOOL)
(n)	Table number to be executed	1 to 100*1	16-bit unsigned binary	ANY16_U
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

*1 If the table data is not stored to devices, the table number range is 1 to 32.

■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	$	
(d)	○*1	—	—	—	—	—	—	—	—	—	—
(n)	○	○	○	○	—	—	○	○	—	—	—

*1 Only Y can be used.

Processing details

This instruction operates one table of the positioning table that is set with parameters in the engineering tool.

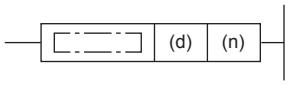
- For (d), specify the device from which pulses are output. Only the output devices (Y) having positioning parameters can be specified.
- For (n), specify the table number to be executed according to the output specified in (d).

For details on the function, precautions, and error code, refer to MELSEC iQ-F FX5 User's Manual (Application).

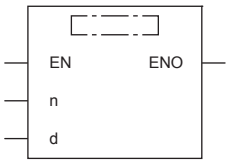
TBL [For the FX5 operand specification]

FX5S FX5UJ FX5U FX5UC

This instruction executes one specified table operation from the instructions set in the data table using the engineering tool etc. Only CPU module is supported.

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

FBD/LD



Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(d)	Axis number from which pulses are to be output	■FX5S/FX5UJ CPU module K1 to K3 ■FX5U/FX5UC CPU module K1 to K4	16-bit unsigned binary	ANY_ELEMENTARY (WORD)*2
(n)	Table number to be executed	1 to 100*1	16-bit unsigned binary	ANY16_U
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

*1 If the table data is not stored to devices, the table number range is 1 to 32.
*2 Digit specified bit type label cannot be used.

■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	$	
(d)	—	○	○	○	—	—	○	○	—	—	—
(n)	○	○	○	○	—	—	○	○	—	—	—

Processing details

This instruction operates one table of the positioning table that is set with parameters in the engineering tool.

- For (d), specify the axis number from which pulses are output.
- For (n), specify the table number to be executed according to the output specified in (d).

For details on the function, precautions, and error code, refer to MELSEC iQ-F FX5 User's Manual (Application).