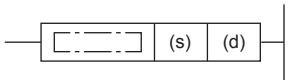
Converting 16-bit signed binary data to 32-bit signed binary data

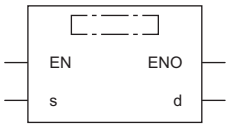
INT2DINT(P)

FX5S FX5UJ FX5U FX5UC

These instructions convert the 16-bit signed binary data in the device specified by (s) to 32-bit signed binary data, and store the converted data in the device specified by (d).

Ladder diagram	Structured text*1
	ENO:=INT2DINT(EN,s,d); ENO:=INT2DINTP(EN,s,d);

FBD/LD



*1 Supported by engineering tool version "1.035M" and later.

Setting data

■Descriptions, ranges, and data types

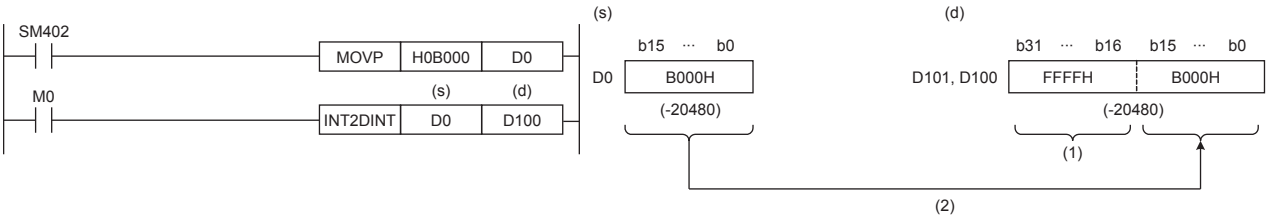
Operand	Description	Range	Data type	Data type (label)
(s)	Data before conversion	-32768 to +32767	16-bit signed binary	ANY16_S
(d)	Data after conversion	—	32-bit signed binary	ANY32_S
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

■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	$	
(s)	○	○	○	○	—	—	○	○	—	—	—
(d)	○	○	○	○	○	○	○	—	—	—	—

Processing details

- These instructions convert the 16-bit signed binary data in the device specified by (s) to 32-bit signed binary data, and store the converted data in the device specified by (d).



(1): The most significant bit of data before conversion is stored.
(2): Data before conversion is stored in the lower 16 bits.

Operation error

There is no operation error.