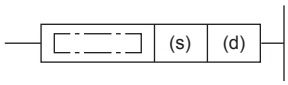
Converting 16-bit signed binary data to single-precision real number

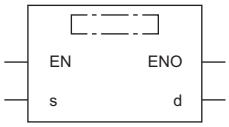
INT2FLT(P)

FX5S FX5UJ FX5U FX5UC

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

Ladder diagram	Structured text*1
	ENO:=INT2FLT(EN,s,d); ENO:=INT2FLTP(EN,s,d);

FBD/LD



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

Setting data

■Descriptions, ranges, and data types

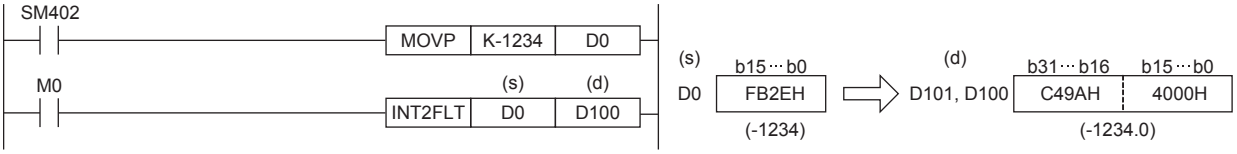
Operand	Description	Range	Data type	Data type (label)
(s)	Data before conversion	-32768 to +32767	16-bit signed binary	ANY16_S
(d)	Data after conversion	—	Single-precision real number	ANYREAL_32
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

■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 single-precision real number, and store the converted data in the device specified by (d).



Operation error

There is no operation error.