

Converting Gray code to 16-bit binary data

GBIN(P)(_U)

FX5S FX5UJ FX5U FX5UC

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

Ladder diagram	Structured text
	ENO:=GBIN(EN,s,d); ENO:=GBINP(EN,s,d); ENO:=GBINP_U(EN,s,d);
FBD/LD	

Setting data

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■Descriptions, ranges, and data types

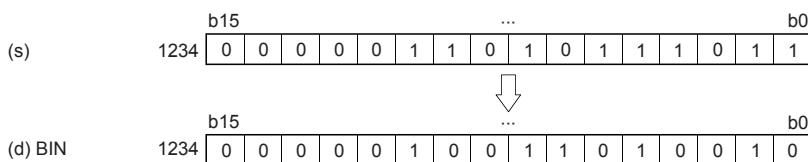
Operand		Description		Range		Data type		Data type (label)	
(s)	GBIN(P)	Gray code data or head device storing the gray code data		0 to 32767		16-bit signed binary		ANY16_S	
	GBIN(P)_U			0 to 65535		16-bit unsigned binary		ANY16_U	
(d)	GBIN(P)	Head device for storing the binary data after conversion		—		16-bit signed binary		ANY16_S	
	GBIN(P)_U			—		16-bit unsigned binary		ANY16_U	
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		K, H	E	\$	
(s)	○	○	○	○	—	—	○	○	—	—	—
(d)	○	○	○	○	—	—	○	—	—	—	—

Processing details

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



Precautions

When an input relay (X) is specified as (s), the response delay will be "Scan time of CPU module + Input filter constant".

Operation error

There is no operation error.