

Exchanging the upper and lower bytes of 16-bit data

SWAP(P)

FX5S FX5UJ FX5U FX5UC

These instructions swap the value of 8 bits of the upper and lower bytes of the device specified by (d).

Ladder diagram	Structured text
	ENO:=SWAP(EN,d); ENO:=SWAPP(EN,d);
FBD/LD	

Setting data

■ Descriptions, ranges, and data types

7

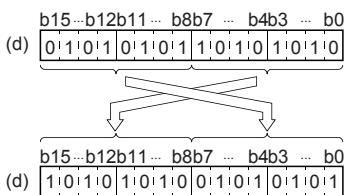
Operand	Description	Range	Data type	Data type (label)
(d)	Head device for storing the data to be exchanged	—	16-bit signed binary	ANY16
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

■ 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	\$	
(d)	○	○	○	○	—	—	○	—	—	—	—

Processing details

These instructions swap the value of 8 bits of the upper and lower bytes of the device specified by (d).



Precautions

If a continuous operation type instruction is used, swap is done in each operation cycle.

Operation error

There is no operation error.