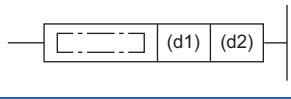


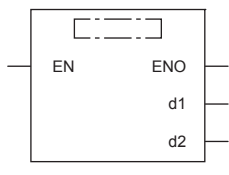
Exchanging 16-bit data

XCH(P)

FX5S FX5UJ FX5U FX5UC

These instructions exchange 16-bit binary data of (d1) and (d2).

Ladder diagram	Structured text
	ENO:=XCH(EN,d1,d2); ENO:=XCHP(EN,d1,d2);

FBD/LD


Setting data

■Descriptions, ranges, and data types

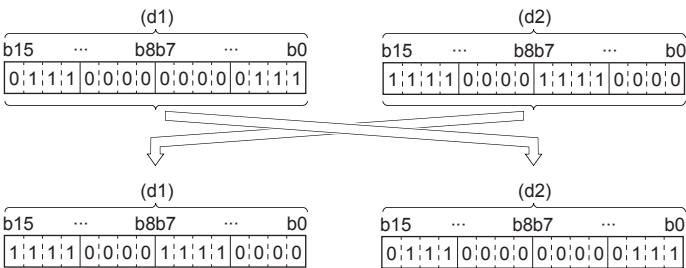
Operand	Description	Range	Data type	Data type (label)
(d1)	Head device for storing the data to be exchanged	—	16-bit signed binary	ANY16
(d2)	Head device for storing the data to be exchanged	—	16-bit signed binary	ANY16
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

■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	LZ		K, H	E	\$	
(d1)	○	○	○	○	—	—	○	—	—	—	—
(d2)	○	○	○	○	—	—	○	—	—	—	—

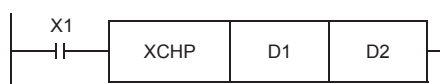
Processing details

These instructions exchange 16-bit binary data of (d1) and (d2).



Program example

This program exchanges the contents of D1 and D2 when X1 is set to ON.



Operation error

There is no operation error.