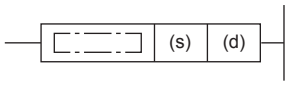
Transferring 32-bit data

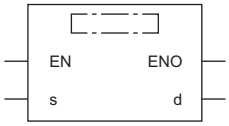
DMOV(P)

FX5S FX5UJ FX5U FX5UC

These instructions transfer the 32-bit binary data in the device specified by (s) to the device specified by (d).

Ladder diagram	Structured text
	ENO:=DMOV(EN,s,d); ENO:=DMOVP(EN,s,d)

FBD/LD



Setting data

■Descriptions, ranges, and data types

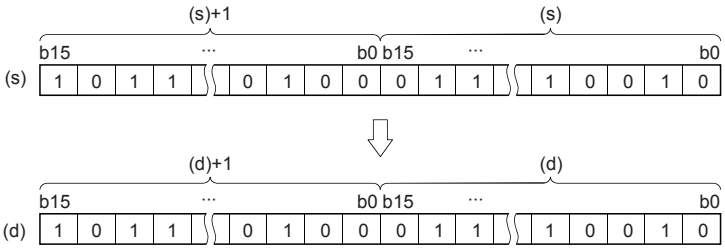
Operand	Description	Range	Data type	Data type (label)
(s)	Transfer source data or device number for storing data	-2147483648 to +2147483647	32-bit signed binary	ANY32
(d)	Transfer destination device number	—	32-bit signed binary	ANY32
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

■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)	○	○	○	○	○	○	○	—	—	—	—

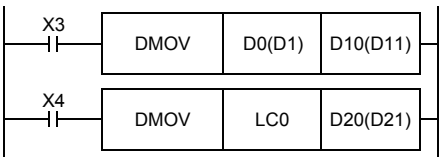
Processing details

- These instructions transfer the 32-bit binary data in the device specified by (s) to the device specified by (d).



Program example

Make sure to use DMOV instruction for transferring an instruction (such as MUL instruction) whose operation result is output in 32 bits, a 32-bit numeric value or a 32-bit device.



(D1, D0) → (D11, D10)

(Current value of LC0) → (D21, D20)

Operation error

There is no operation error.