

Reading data from the data memory

S(P).DEVLD



FX5S FX5UJ FX5U FX5UC

Reads data from the device data storage file in data memory.

Ladder diagram	Structured text
	ENO:=S_DEVLD(EN,s,n,d); ENO:=SP_DEVLD(EN,s,n,d);

FBD/LD

Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(s)	Read offset of device data storage file (specified in units of 16-bit words)	0 to 63	32-bit unsigned binary	ANY32
(d)	Head device for storing the data that has been read	—	Word	ANY16 ^{*1}
(n)	Number of read points	1 to 64	16-bit unsigned binary	ANY16
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

^{*1} When specifying setting data by using a label, define an array to secure enough operation area and specify an element of the array label.

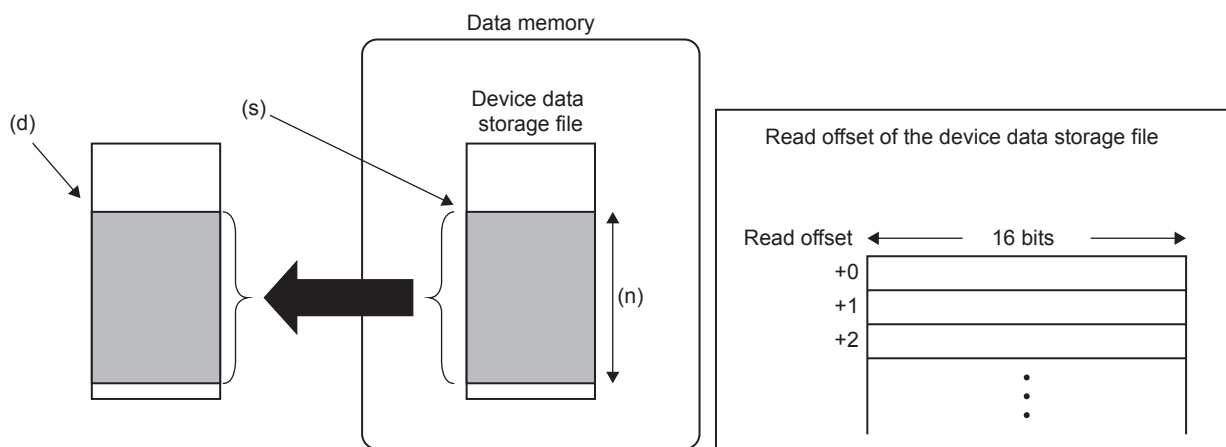
■Applicable devices

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)	—	○	—	—	—	—	○	—	—	—	—
(n)	○ ^{*1}	○	—	—	—	—	○	○	—	—	—

^{*1} S cannot be used.

Processing details

- These instructions read device data by the number of points specified by (n) from the read offset specified by (s) in the device data storage file in data memory, and store it in the device specified by (d). (s) indicates the offset from the start of the device data storage file and can be specified by word offsets (incremented by 1 every 16 bits).



- Use the SP.DEVST instruction to write device data to the device data storage file. (📖 Page 483 SP.DEVST)

Operation error

Error code (SD0/SD8067)	Description
2820H	<ul style="list-style-type: none"> The value specified by (s), and (s)+(n) are out of range of the device data storage file. The device range specified by (d) exceeds the corresponding device range.
2822H	Device that cannot be specified is specified.
3405H	The value stored in a device specified by (n) is 0.