

20.24 Converting INT to STRING

INT_TO_STRING(_E)

FX5S FX5UJ FX5U FX5UC

These functions convert INT type data to STRING type data.

Ladder diagram, FBD/LD	Structured text
[Without EN/ENO]  [With EN/ENO] 	[Without EN/ENO] <code>d:=INT_TO_STRING(s);</code> [With EN/ENO] <code>d:=INT_TO_STRING_E(EN,ENO,s);</code>

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Setting data

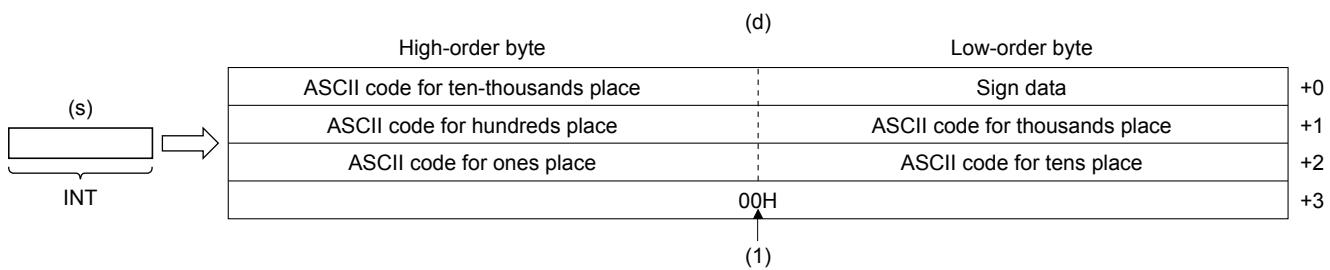
■ Descriptions, types, and data types

Argument	Description	Type	Data type
EN	Execution condition (TRUE: Execution, FALSE: Stop)	Input variable	BOOL
s(IN)	Input	Input variable	INT
ENO	Output status (TRUE: Normal, FALSE: Abnormal)	Output variable	BOOL
d(INT_TO_STRING(_E))	Output	Output variable	STRING(6)

Processing details

■ Operation processing

- These functions convert the INT type data input to (s) to STRING type data output from (d).

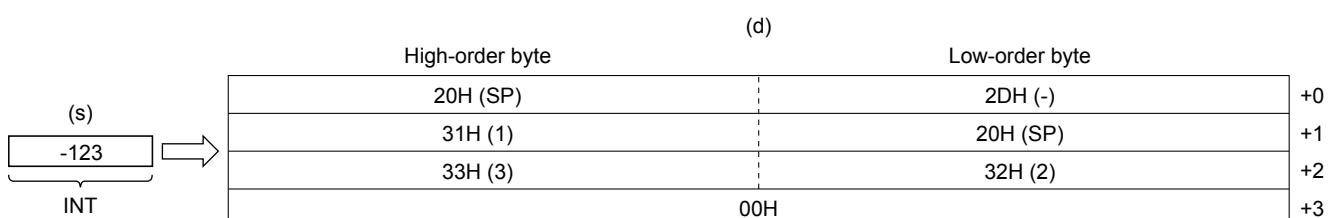


(1): "00H" is stored when "SM701" (output character number selector) is off.

- A value input to (s) is the INT type data value.
- In "Sign data", 20H (space) is stored when the input value is positive, and 2DH (-) is stored when the input value is negative.
- 20H (space) is stored in high-order digits when the number of significant figures is small.

Ex.

When "-123" is input



- 00H is stored at the end (4th word) of the character string when SM701 (output character number selector signal) is off.

■Operation result

1. Function without EN/ENO

The following table lists the operation results.

Operation result	(d)
No operation error occurred	Operation output value
An operation error occurred	Indefinite value

2. Function with EN/ENO

The following table lists the execution conditions and operation results.

Execution condition	Operation result	
EN	ENO	(d)
TRUE (Executes operation)	TRUE (Operation error did not occur)	Operation output value
	FALSE (Operation error occurred) ^{*1}	Indefinite value
FALSE (Stops operation)	FALSE ^{*1}	Indefinite value

*1 When FALSE is output from ENO, data output from (d) is undefined. In that case, modify a program so that the data output from (d) is not used.

Operation error

Error code (SD0/SD8067)	Description
2820H	In the corresponding device range of the device specified by (s) and later, "0000H" does not exist.
3405H	The character string specified by (s) has more than 16383 characters.
3406H	The whole specified character string cannot be stored in the devices from the device specified by (d) to the last device in the corresponding device range.