

20.32 Converting DINT to STRING

DINT_TO_STRING(_E)

FX5S FX5UJ FX5U FX5UC

These functions convert DINT type data to STRING type data.

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

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Setting data

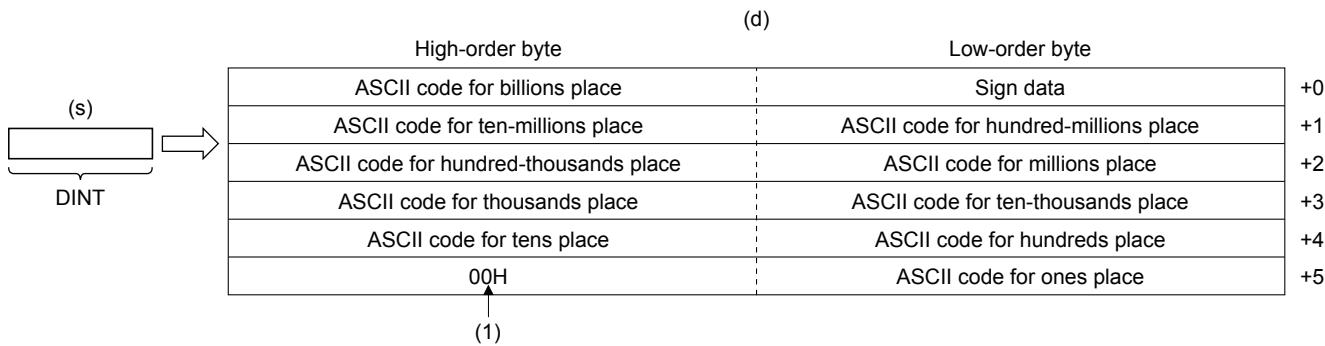
■ Descriptions, types, and data types

Argument	Description	Type	Data type
EN	Execution condition (TRUE: Execution, FALSE: Stop)	Input variable	BOOL
s(IN)	Input	Input variable	DINT
ENO	Output status (TRUE: Normal, FALSE: Abnormal)	Output variable	BOOL
d(DINT_TO_STRING(_E))	Output	Output variable	STRING(11)

Processing details

■ Operation processing

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



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

- A value input to (s) is the DINT 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 "-123456" is input

(s)	(d)	
	High-order byte	Low-order byte
-123456	20H (SP)	2DH (-)
DINT	20H (SP)	20H (SP)
	31H (1)	20H (SP)
	33H (3)	32H (2)
	35H (5)	34H (4)
	00H	36H (6)

- 00H is stored at the end (high-order byte of the 6th 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	(d)
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

There is no operation error.