

20.34 Converting BCD to DINT

BCD_TO_DINT(_E)

FX5S FX5UJ FX5U FX5UC

These functions convert BCD type data to DINT type data.

Ladder diagram, FBD/LD	Structured text
[Without EN/ENO]  [With EN/ENO] 	[Without EN/ENO] d:=BCD_TO_DINT(s); [With EN/ENO] d:=BCD_TO_DINT_E(EN,ENO,s);

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Setting data

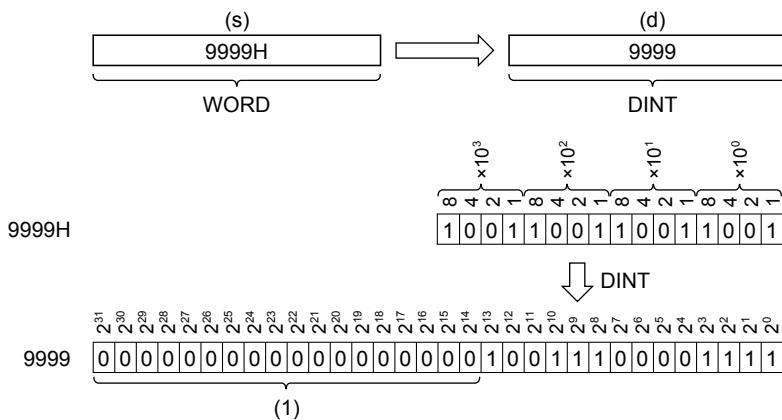
■ Descriptions, types, and data types

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

Processing details

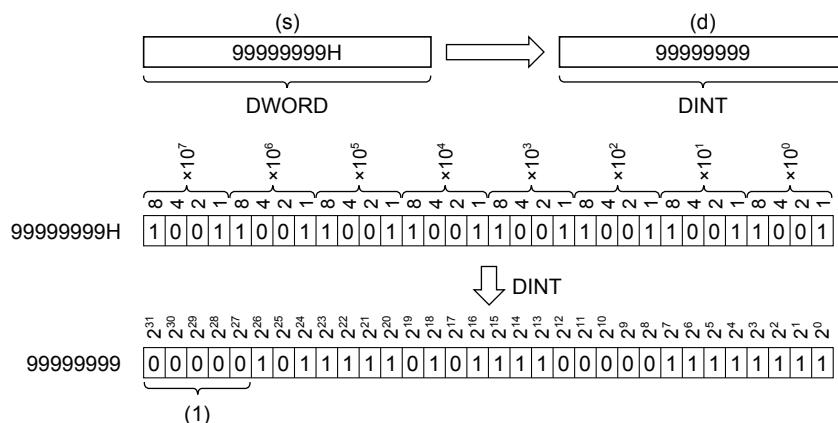
■ Operation processing

- These functions convert the BCD type data input to (s) to DINT type data and output from (d).
 - When WORD is specified to (s)



(1): Always becomes "0".

- When DWORD is specified to (s)



(1): Always becomes "0".

- A value input to (s) is within the range from 0H to 999H (from 0 to 9 for each digit) for the WORD type data value and from 0H to 99999999H (from 0 to 9 for each digit) for the DWORD type data value.
- WORD or DWORD can be specified to (s). BOOL cannot be specified.

■ 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

- When (s) is WORD

Error code (SD0/SD8067)	Description
3401H	A value other than 0 to 9 exists in each digit of (s).

- When (s) is DWORD

Error code (SD0/SD8067)	Description
3401H	A value other than 0 to 9 exists in each digit of (s).