

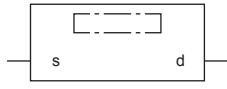
# 20.28 Converting DINT to INT

## DINT\_TO\_INT(\_E)

FX5S FX5UJ FX5U FX5UC

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These functions convert DINT type data to INT type data.

| Ladder diagram, FBD/LD  | Structured text  |
|---|--|
| [Without EN/ENO]<br><br>[With EN/ENO]<br> | [Without EN/ENO]<br>d:=DINT_TO_INT(s);<br>[With EN/ENO]<br>d:=DINT_TO_INT_E(EN,ENO,s); |

### Setting data

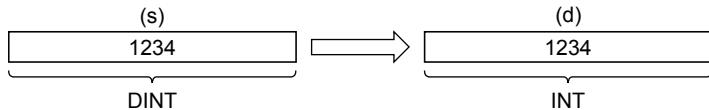
#### ■ Descriptions, types, and data types

| 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_INT(_E)) | Output   | Output variable | INT       |

### Processing details

#### ■ Operation processing

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



- A value input to (s) is the DINT type data value.

## ■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) <sup>*1</sup> | Indefinite value       |
| FALSE (Stops operation)   | FALSE <sup>*1</sup>                            | 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<br>(SD0/SD8067) | Description   |
|----------------------------|---|
| 3401H                      | The 32-bit signed binary data in the device specified by (s) is out of the valid range (-32768 to 32767). |